唐虞企業股份有限公司

TARNG YU ENTERPRISE CO., LTD.

CONNECTOR

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INDEX

Wire To Board Connector

0.40mm Pitch Wire To Board Connector (Soldering Type) 001-003
0.50mm Pitch Wire To Board Connector (Soldering Type) 004-006
0.50mm Pitch Wire To Board Connector (Soldering Type) 007-008
0.50mm Pitch Wire To Board Connector (FFC Type) 009-010
0.50mm Pitch Wire To Board Connector 011-013
0.60mm Pitch Wire To Board Connector (IDC Type) 014-015
0.80mm Pitch Wire To Board Connector (IDC Type) 016-018
0.80mm Pitch Wire To Board Connector (IDC Type) 019-021
0.80mm Pitch Wire To Board Connector (IDC Type) 022-024
0.80mm Pitch Wire To Board Connector 025-027
0.80mm Pitch Wire To Board Connector 028-029
0.80mm Pitch Wire To Board Connector 030-032
1.00mm Pitch Wire To Board Connector 033-041
1.00mm Pitch Wire To Board Connector 042-045
1.00mm Pitch Wire To Board Connector 046-049
1.00mm Pitch Wire To Board Connector(FFC Type) 050-051
1.00mm Pitch Wire To Board Connector 052-058
1.00mm Pitch Wire To Board Connector 059-061
1.00mm Pitch Wire To Board Connector (Soldering Type) 062-063
1.00mm Pitch Wire To Board Connector 064-066
1.20mm Pitch Wire To Board Connector 067-069
1.20mm Pitch Wire To Board Connector 070-072
1.25mm Pitch Wire To Board Connector 073-075
1.25mm Pitch Wire To Board Connector 076-081
1.25mm Pitch Wire To Board Connector 082-087
1.25mm Pitch Wire To Board Connector 088-091
1.25mm Pitch Wire To Board Connector 092-094
1.25mm Pitch Wire To Board Connector 095-098
1.25mm Pitch Wire To Board Connector 099-100
1.25mm Pitch Wire To Board Connector 101-103
1.25mm Pitch Wire To Board Connector 104-109
1.50mm Pitch Wire To Board Connector 110-114
1.50mm Pitch Wire To Board Connector 115-123
1.50mm Pitch Wire To Board Connector 124-128
1.50mm Pitch Wire To Board Connector 129-132
1.50mm Pitch Wire To Board Connector 133-135
1.50mm Pitch Wire To Board Connector 136-140
1.80mm Pitch Wire To Board Connector 141-143
2.00mm Pitch Wire To Board Connector 144-148
2.00mm Pitch Wire To Board Connector 149-150

INDEX

Wire To Board Connector

2.00mm Pitch Wire To Board Connector 151-165
2.00mm Pitch Wire To Board Connector 166-168
2.00mm Pitch Wire To Board Connector 169-176
2.00mm Pitch Wire To Board Connector 177-180
2.00mm Pitch Wire To Board Connector 181-184
2.00mm Pitch Wire To Board Connector 185-189
2.00mm Pitch Wire To Board Connector 190-195
2.00mm Pitch Wire To Board Connector 196-198
2.00mm Pitch Wire To Board Connector 199-203
2.00/1.50mm Pitch Wire To Board Connector(Soldering Type) 204-206
2.00mm Pitch Wire To Board Connector 207-209
2.00/1.00mm Pitch Wire To Board Connector 210-212
2.00mm Pitch Wire To Board Connector 213-215
2.00mm Pitch Wire To Board Connector 216-218
2.50mm Pitch Wire To Board Connector 219-221
2.50mm Pitch Wire To Board Connector 222-224
2.50mm Pitch Wire To Board Connector 225-227
2.50mm Pitch Wire To Board Connector 228-230
2.50mm Pitch Wire To Board Connector 231-233
2.50mm Pitch Wire To Board Connector 234-236
2.50mm Pitch Wire To Board Connector 237-241
2.50mm Pitch Wire To Board Connector 242-245
3.50mm Pitch Wire To Board Connector 246-249
1.27mm Pitch Wire To Board Connector 250-251
3.81mm(1.27mm) Pitch Wire To Board Connector 252-253
3.81mm(1.27mm) Pitch Wire To Board Connector(IDC Type) 254-255
3.81mm(1.27mm) Pitch Wire To Board Connector 256-257
4.00/8.00/12.00/16.00mm Pitch Wire To Board Connector 258-261
4.00mm Pitch Wire To Board Connector 262-263
2.54mm Pitch Wire To Board Connector 264-271
2.54mm Pitch Wire To Board Connector (IDC Type) 272
2.54mm Pitch Wire To Board Connector 273-282
2.54mm Pitch Wire To Board Connector 283-289
3.96mm Pitch Wire To Board Connector 290-292
3.96mm Pitch Wire To Board Connector 293-299
3.96mm Pitch Wire To Board Connector (IDC Type) 300
7.50/5.00mm Pitch Wire To Board Connector 301-304
5.08mm Pitch Wire To Board Connector 305-308
6.95/3.80/10.10mm Pitch Wire To Board Connector 309-310
10.20mm Pitch Wire To Board Connector 311-312

INDEX

LED Connector

Wire To Board Poke-in Connector 313-315
2.40mm Pitch Wire To Board Connector 316-317
3.00mm Pitch Wire To Board Connector 318-319
3.00mm Pitch Wire To Board Connector 320-321
4.00mm Pitch Wire To Board Connector 322-324

Wire To Wire Connector (Waterproof Type)

2.00mm Pitch Wire To Wire Connector 325-332

Wire To Wire Connector

1.00mm Pitch Wire To Wire Connector 333-335
4.14mm Pitch Wire To Wire Connector 336-339
1.25mm Pitch Wire To Wire Connector 340-342
4.50mm Pitch Wire To Wire Connector 343-346
1.50mm Pitch Wire To Wire Connector 347-349
3.68 or 4.80mm Pitch Wire To Wire Connector 350-356
2.00mm Pitch Wire To Wire Connector 357-360
2.00mm Pitch Wire To Wire Connector 361-363
2.00mm Pitch Wire To Wire Connector 364-366
6.20mm Pitch Wire To Wire Connector 367-371
2.00mm Pitch Wire To Wire Connector 372-374
5.03 or 6.70mm Pitch Wire To Wire Connector 375-382
2.50mm Pitch Wire To Wire Connector 383-385
2.50mm Pitch Wire To Wire Connector 386-389
3.00mm Pitch Wire To Wire Connector 390-404
3.50mm Pitch Wire To Wire Connector 405-408
4.00mm Pitch Wire To Wire Connector 409-411
4.20mm Pitch Wire To Wire or Board Connector 412-427
2.54mm Pitch Wire To Wire Connector 428-431
2.54mm Pitch Wire To Wire Connector 432-436
2.54mm Pitch Wire To Wire Connector 437-439
5.70mm Pitch Wire To Wire Connector 440-442
6.35mm Pitch Wire To Wire or Board Connector 443-450
5.08mm Pitch Wire To Wire or Board Connector 451-456

Board-In Connector

Ø1.0, Ø1.2, Ø1.8mm, Ø2.4mm Board In Crimp Style Terminal 457-461
1.25mm Pitch Board In Connector 462-463
1.50mm Pitch Board In Connector 464-466

INDEX

2.00mm Pitch Board In Connector 467-469
2.50mm Pitch Board In Connector 470-473
3.96mm Pitch Board In Connector 474-475

Board to Board

0.50mm Pitch Board To Board Connector.....476-478
0.80mm Pitch Board To Board Connector.....479-480
0.80mm Pitch Board To Board Connector.....481-483
1.25mm Pitch Board To Board Connector.....484-486
1.27mm Pitch Board To Board Connector.....487-495
2.00mm Pitch Board To Board Connector.....496-503
2.54mm Pitch Board To Board Connector.....504-511
3.00mm Pitch Board To Board Connector.....512-513

NGFF Connector

0.50mm Pitch NGFF Card 67P Connector 514-516

Other

2.50mm Pitch Pin Header Connector.....517-523

FPC Connector

0.50mm Pitch FPC Connector 524-526
0.50mm Pitch FPC Connector 527-528
0.50mm Pitch FPC Connector 529-530
0.50mm Pitch FPC Connector 531-532
1.00mm Pitch FPC Connector 533-534

Waterproof Cable

6 PIN Signal Cable6 PIN Signal Cable.....535
2+1 PIN / 2 PIN Signal Cable.....536
2~6 PIN Signal Cable 537
2~6 PIN Signal Cable 538
8~11 PIN Signal Cable.....539
2 PIN Power Cable.....540
2+4 Pin & 2+5Pin Power + Signal Cable 541
2+5 PIN Power+Signal Cable.....542
2+6 PIN Power+Signal Cable.....543
2+6 PIN Power+Signal Cable.....544
3+6 PIN Power + Signal Cable.....545

INDEX

Wire to Board Connector



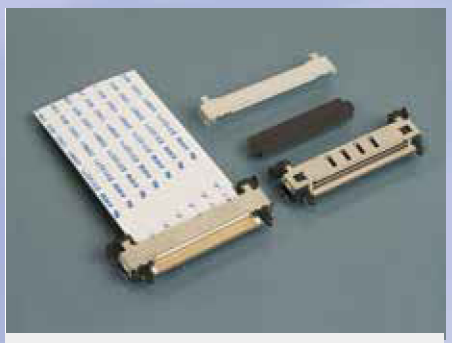
TS0402 SERIES
• Pitch : 0.40mm • Page : 1~3



TD0502 SERIES
• Pitch : 0.50mm • Page : 4~6



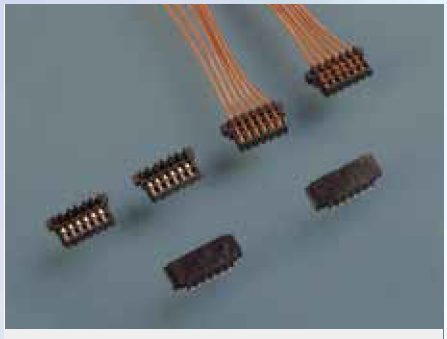
TS0506 SERIES
• Pitch : 0.50mm • Page : 7~8



TG0503 SERIES
• Pitch : 0.50mm • Page : 9~10



TU0503 SERIES
• Pitch : 0.50mm • Page : 11~13



TF0605 SERIES
• Pitch : 0.60mm • Page : 14~15



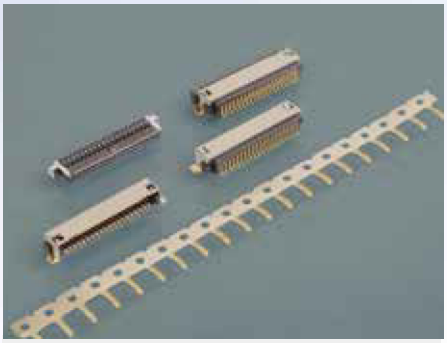
TF0801 SERIES
• Pitch : 0.80mm • Page : 16~18



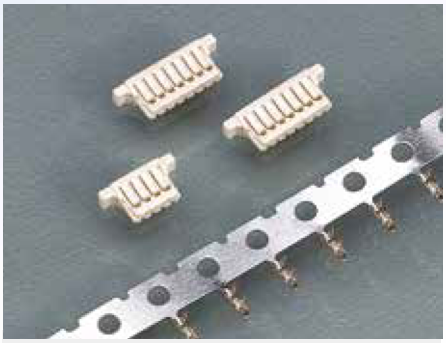
TF0810 SERIES
• Pitch : 0.80mm • Page : 19~21



TF0812 SERIES
• Pitch : 0.80mm • Page : 22~24



TU0803 SERIES
• Pitch : 0.80mm • Page : 25~27



TU0805 SERIES
• Pitch : 0.80mm • Page : 28~29

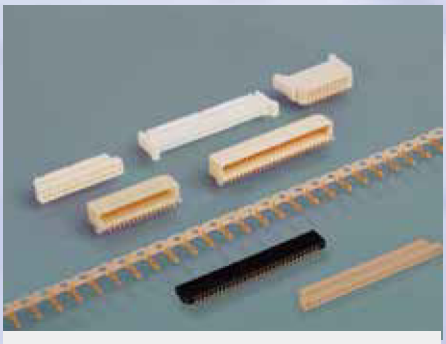


TU0852 SERIES
• Pitch : 0.80mm • Page : 30~32

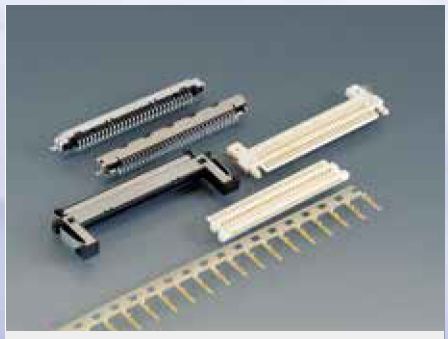
INDEX



TU1001 SERIES
• Pitch : 1.00mm • Page : 33~41



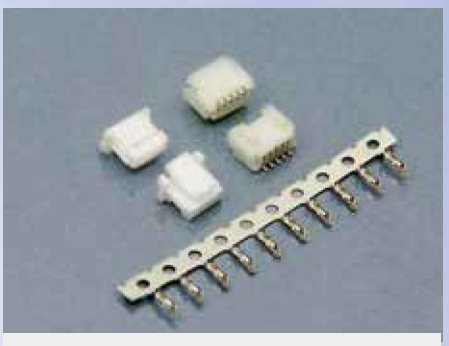
TU1002 SERIES
• Pitch : 1.00mm • Page : 42~45



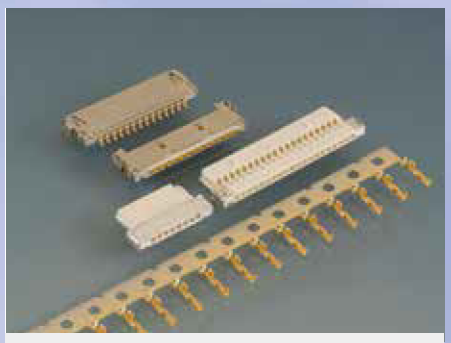
TU1003 SERIES
• Pitch : 1.00mm • Page : 46~49



TG1003 SERIES
• Pitch : 1.00mm • Page : 50~51



TU1006 SERIES
• Pitch : 1.00mm • Page : 52~58



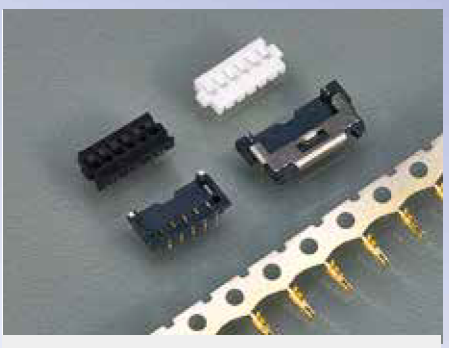
TU1007 SERIES
• Pitch : 1.00mm • Page : 59~61



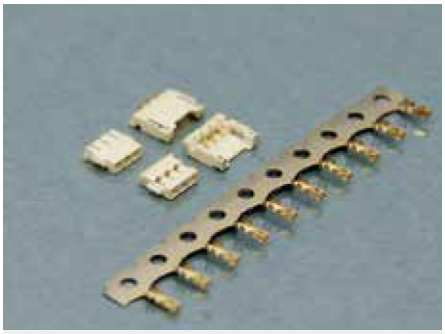
TS1007 SERIES
• Pitch : 1.00mm • Page : 62~63



TU1011 SERIES
• Pitch : 1.00mm • Page : 64~66



TU1202 SERIES
• Pitch : 1.20mm • Page : 67~69



TU1203 SERIES
• Pitch : 1.20mm • Page : 70~72

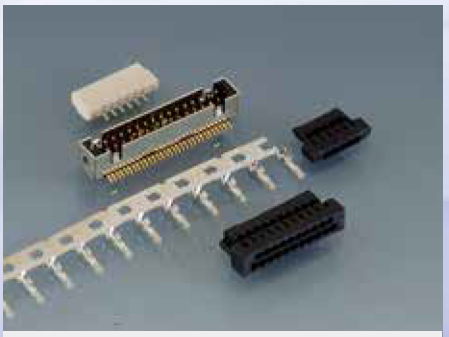


TU1211 SERIES
• Pitch : 1.25mm • Page : 73~75



TU1212 SERIES
• Pitch : 1.25mm • Page : 76~81

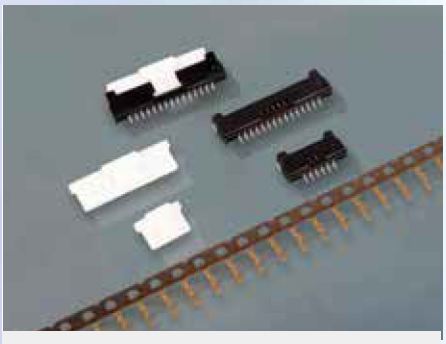
INDEX



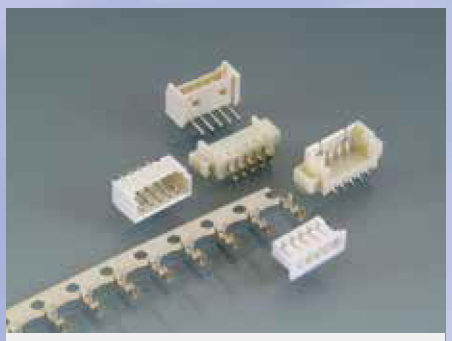
TU1213 SERIES
• Pitch : 1.25mm • Page : 82~87



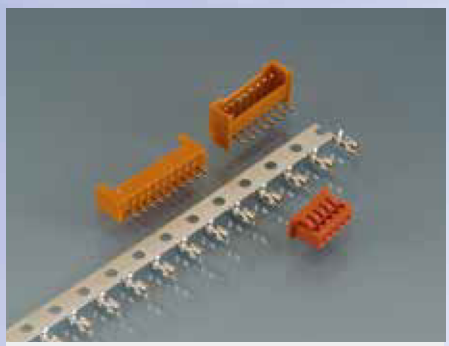
TU1217 SERIES
• Pitch : 1.25mm • Page : 88~91



TU1218 SERIES
• Pitch : 1.25mm • Page : 92~94



TU1252 SERIES
• Pitch : 1.25mm • Page : 95~98



TU1253 SERIES
• Pitch : 1.25mm • Page : 99~100



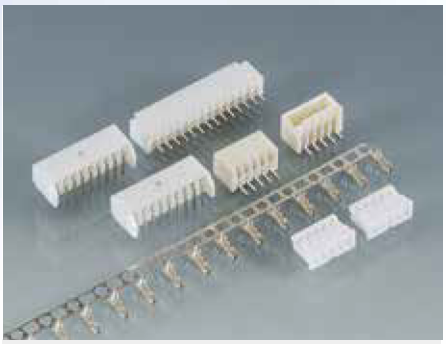
TU1256 SERIES
• Pitch : 1.25mm • Page : 101~103



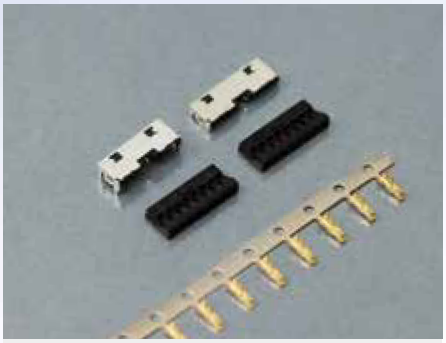
TU1257 SERIES
• Pitch : 1.25mm • Page : 104~109



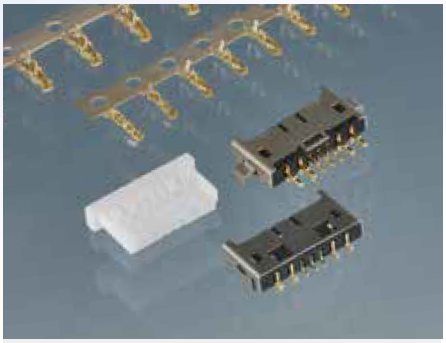
TU1501 SERIES
• Pitch : 1.50mm • Page : 110~114



TU1502 SERIES
• Pitch : 1.50mm • Page : 115~123



TU1503 SERIES
• Pitch : 1.50mm • Page : 124~128

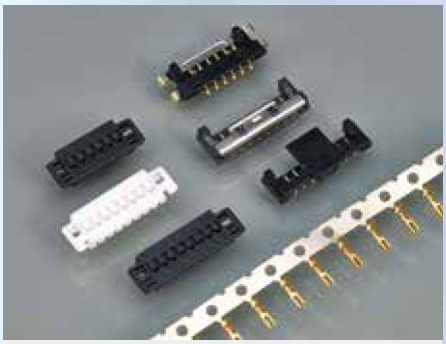


TU1504 SERIES
• Pitch : 1.50mm • Page : 129~132

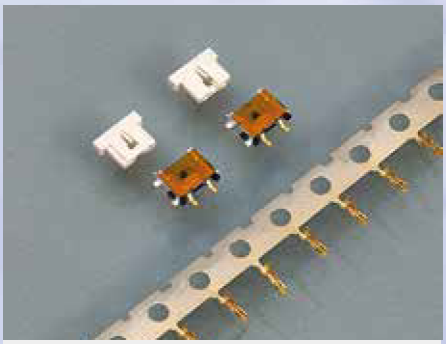


TU1512 SERIES
• Pitch : 1.50mm • Page : 133~135

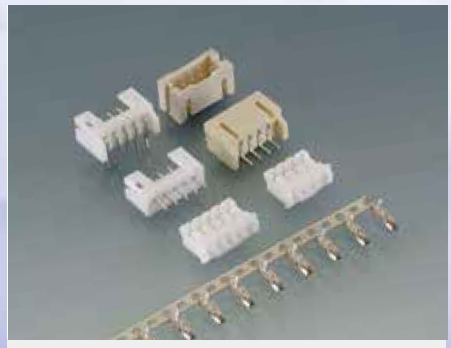
INDEX



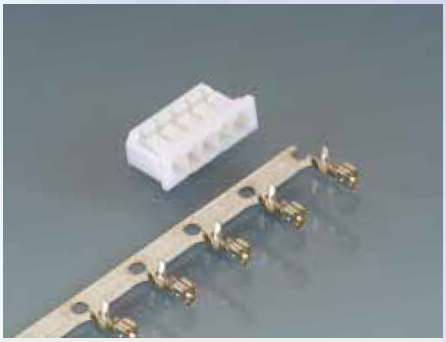
TU1513 SERIES
• Pitch : 1.50mm • Page : 136~140



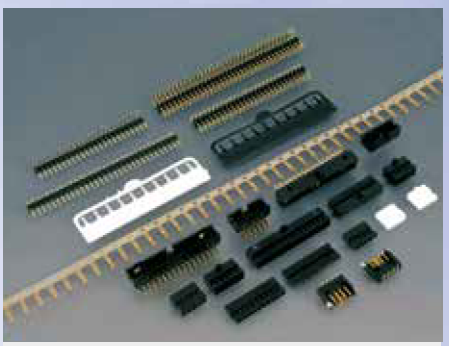
TU1809 SERIES
• Pitch : 1.80mm • Page : 141~143



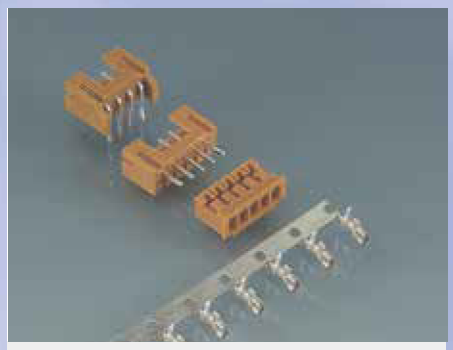
TU2001 SERIES
• Pitch : 2.00mm • Page : 144~148



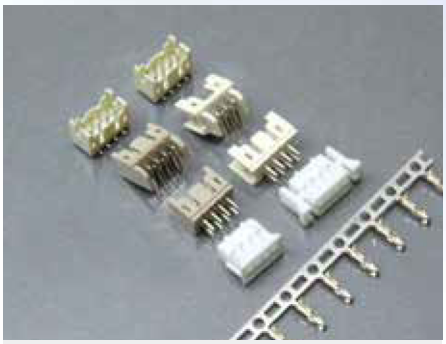
TU2002 SERIES
• Pitch : 2.00mm • Page : 149~150



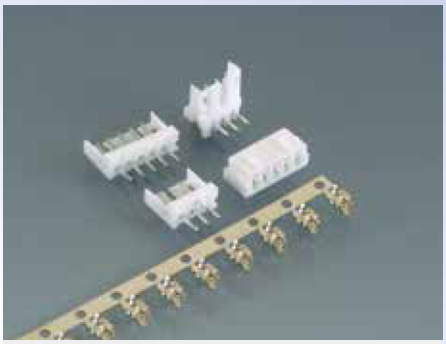
TU2003 SERIES
• Pitch : 2.00mm • Page : 151~165



TU2004 SERIES
• Pitch : 2.00mm • Page : 166~168



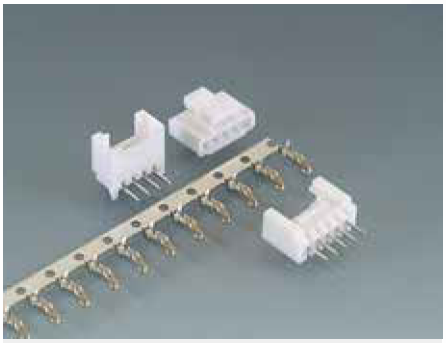
TU2005 SERIES
• Pitch : 2.00mm • Page : 169~176



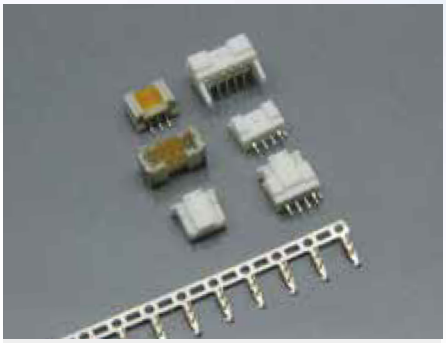
TU2006 SERIES
• Pitch : 2.00mm • Page : 177~180



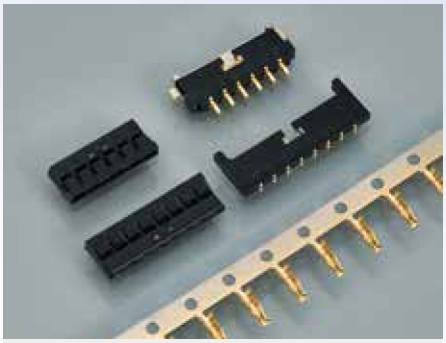
TU2007 SERIES
• Pitch : 2.00mm • Page : 181~184



TU2008 SERIES
• Pitch : 2.00mm • Page : 185~189

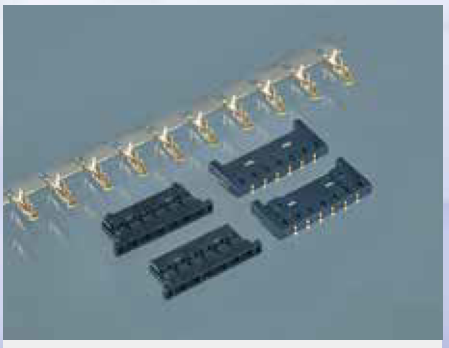


TU2011 SERIES
• Pitch : 2.00mm • Page : 190~195



TU2013 SERIES
• Pitch : 2.00mm • Page : 196~198

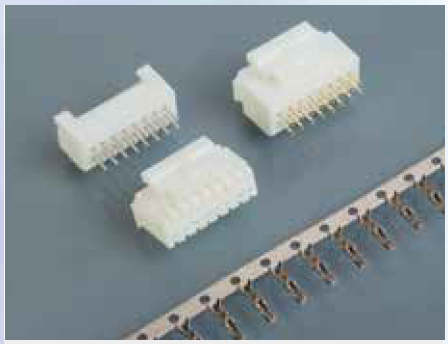
INDEX



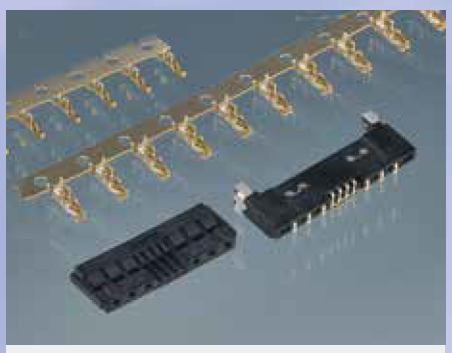
TU2015 SERIES
• Pitch : 2.00mm • Page : 199~203



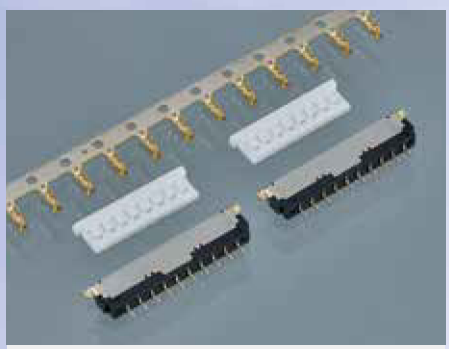
TS2016 SERIES
• Pitch : 2.00/1.50mm • Page : 204~206



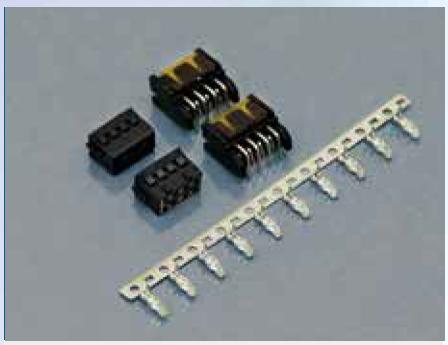
TU2018 SERIES
• Pitch : 2.00mm • Page : 207~209



TU2019 SERIES
• Pitch : 2.00/1.00mm • Page : 210~212



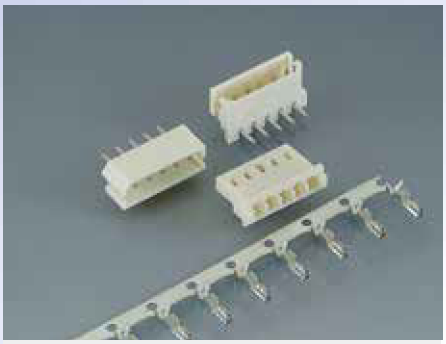
TU2023 SERIES
• Pitch : 2.00mm • Page : 213~215



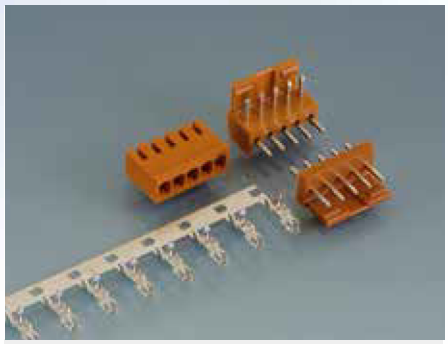
TU2025 SERIES
• Pitch : 2.00mm • Page : 216~218



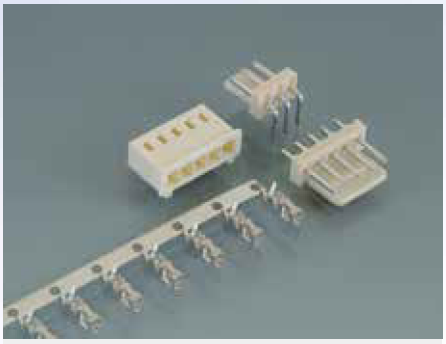
TU3001 SERIES
• Pitch : 2.50mm • Page : 219~221



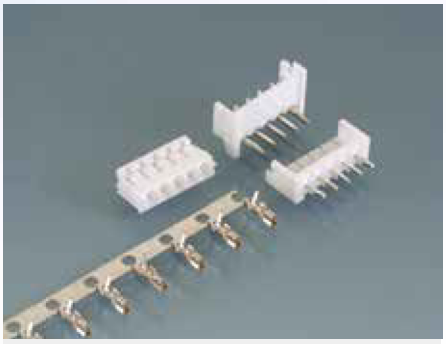
TU3002 SERIES
• Pitch : 2.50mm • Page : 222~224



TU3003 SERIES
• Pitch : 2.50mm • Page : 225~227



TU3004 SERIES
• Pitch : 2.50mm • Page : 228~230

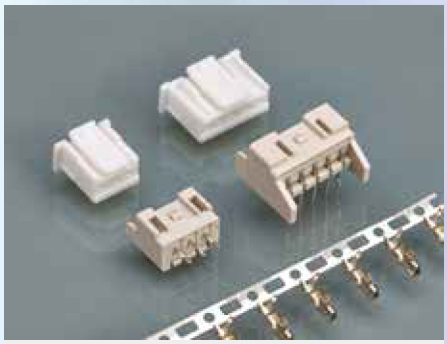


TU3007 SERIES
• Pitch : 2.50mm • Page : 231~233

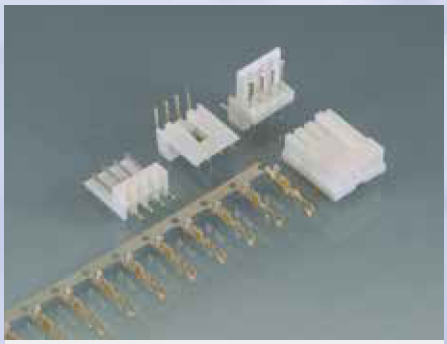


TU3009 SERIES
• Pitch : 2.50mm • Page : 234~236

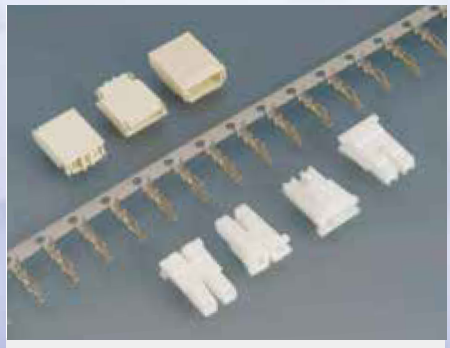
INDEX



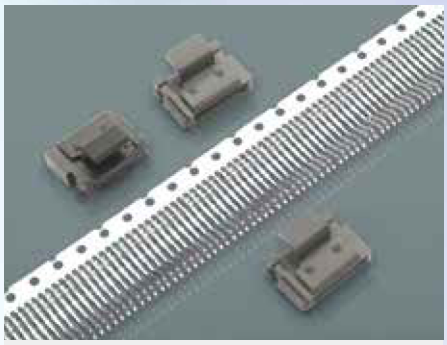
TU3011 SERIES
• Pitch : 2.50mm • Page : 237~241



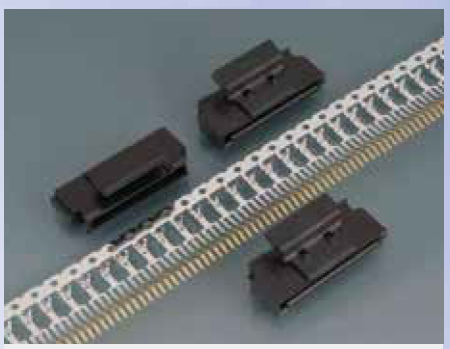
TU5004 SERIES
• Pitch : 2.50mm • Page : 242~245



TU3501 SERIES
• Pitch : 3.50mm • Page : 246~249



TU1271 SERIES
• Pitch : 1.27mm • Page : 250~251



TU1272 SERIES
• Pitch : 3.81mm(1.27mm) • Page : 252~253



TF3812 SERIES
• Pitch : 3.81mm(1.27mm) • Page : 254~255



TU3812 SERIES
• Pitch : 3.81mm(1.27mm) • Page : 256~257



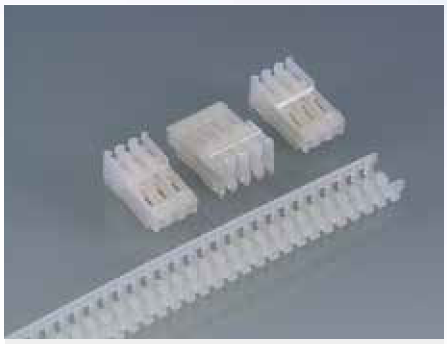
TU4001 SERIES
• Pitch : 4.00/8.00/12.00/16.00mm• Page : 258~261



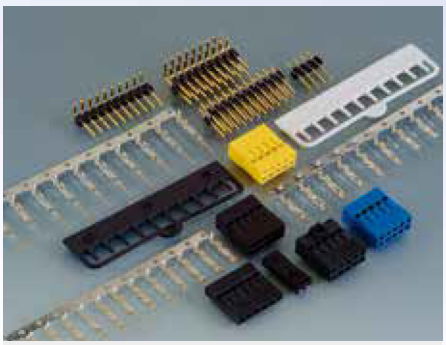
TU4011 SERIES
• Pitch : 4.00mm • Page : 262~263



TU5002 SERIES
• Pitch : 2.54mm • Page : 264~271



TF5012 SERIES
• Pitch : 2.54mm • Page : 272



TU5005 SERIES
• Pitch : 2.54mm • Page : 273~282

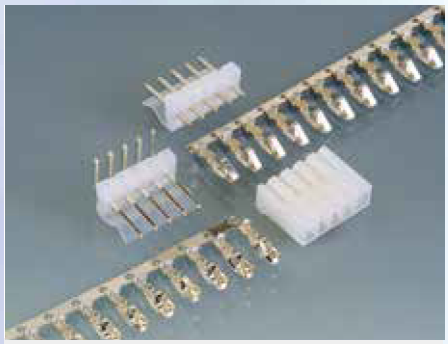
INDEX



TU5006 SERIES
• Pitch : 2.54mm • Page : 283~289



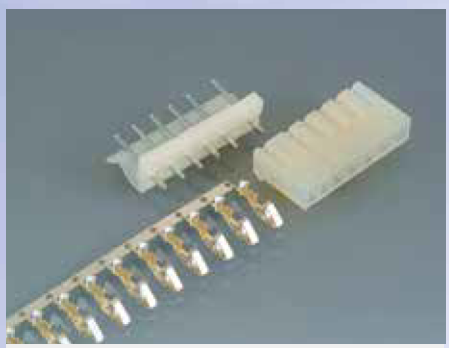
TU6001 SERIES
• Pitch : 3.96mm • Page : 290~292



TU6002 SERIES
• Pitch : 3.96mm • Page : 293~299



TF6012 SERIES
• Pitch : 3.96mm • Page : 300



TU6004 SERIES
• Pitch : 7.50/5.00mm • Page : 301~304



TU6005 SERIES
• Pitch : 5.08mm • Page : 305~308



TA8051 / 2 SERIES
• Pitch : 6.95/3.80/10.10mm • Page : 309~310



TA8056 SERIES
• Pitch : 10.20mm • Page :311~312

INDEX

LED Connector



TL2080 SERIES
Wire To Board Poke-in Connector • Page : 313~315



TL2460 SERIES
• Pitch : 2.40mm • Page : 316~317



TL3060 SERIES
• Pitch : 3.00mm • Page : 318~319



TL3061 SERIES
• Pitch : 3.00mm • Page : 320~321



TL4060 SERIES
• Pitch : 4.00mm • Page : 322~324

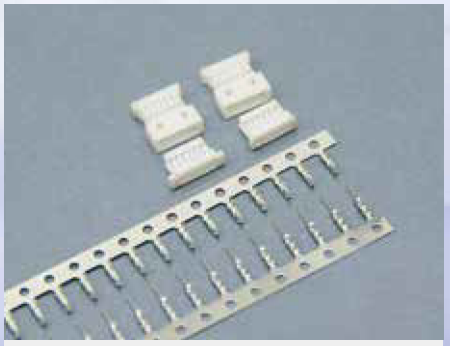
Wire to Wire Connector (Waterproof Type)



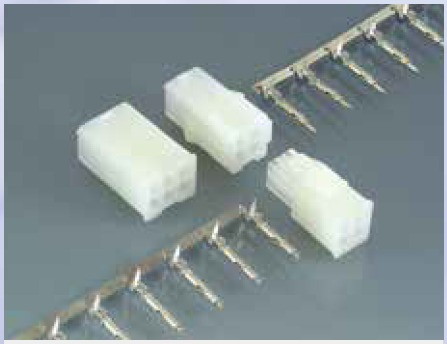
TW2051/2 SERIES
• Pitch : 2.00mm • Page : 325~332

INDEX

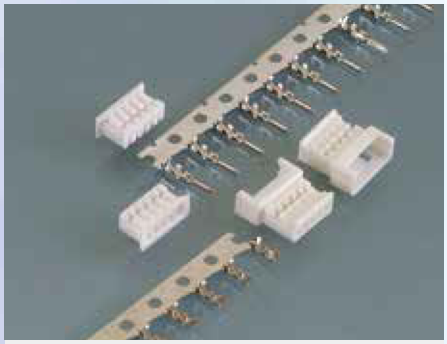
Wire to Wire Connector



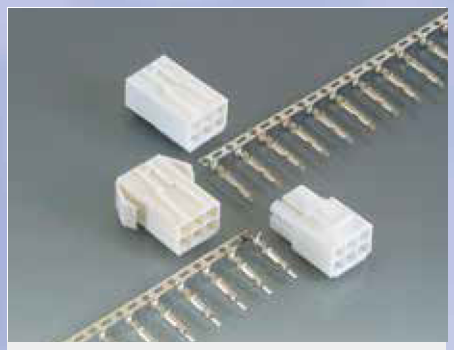
TY1009 / TU1009 SERIES
• Pitch : 1.00mm • Page : 333~335



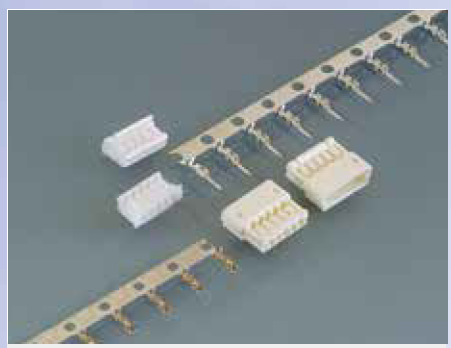
TY1081 / 2 SERIES
• Pitch : 4.14mm • Page : 336~339



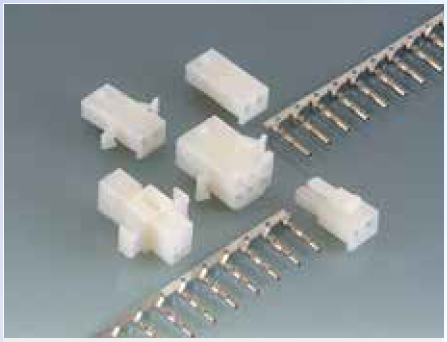
TY1252 SERIES
• Pitch : 1.25mm • Page : 340~342



TY1381 / 2 SERIES
• Pitch : 4.50mm • Page : 343~346



TY1501 SERIES
• Pitch : 1.50mm • Page : 347~349



TY1581 / 2 SERIES
• Pitch : 3.68 or 4.80mm • Page : 350~356



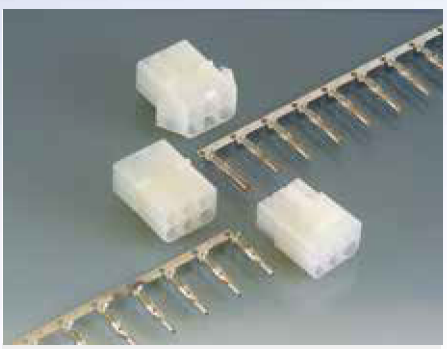
TY2008 SERIES
• Pitch : 2.00mm • Page : 357~360



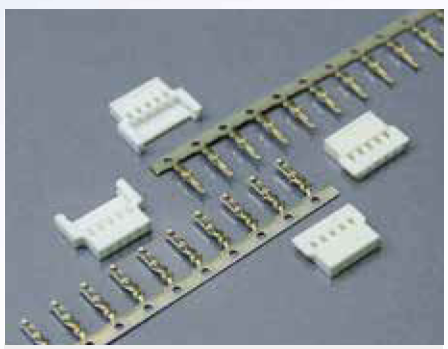
TY2018 SERIES
• Pitch : 2.00mm • Page : 361~363



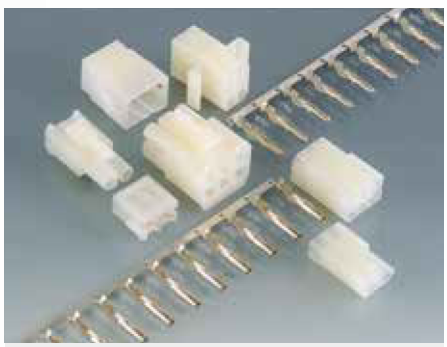
TY / U 2028 SERIES
• Pitch : 2.00mm • Page : 364~366



TY2081 / 2 SERIES
• Pitch : 6.20mm • Page : 367~371

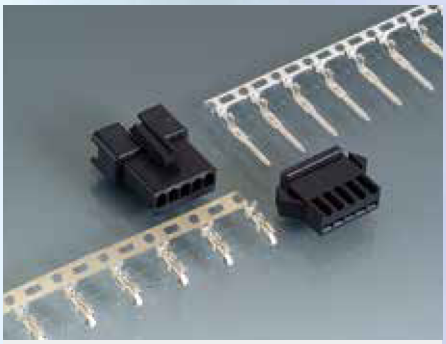


TY2083 / 4 SERIES
• Pitch : 2.00mm • Page : 372~374

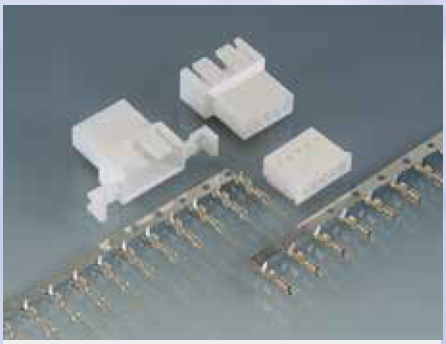


TY2361 SERIES
• Pitch : 5.03 or 6.70mm • Page : 375~382

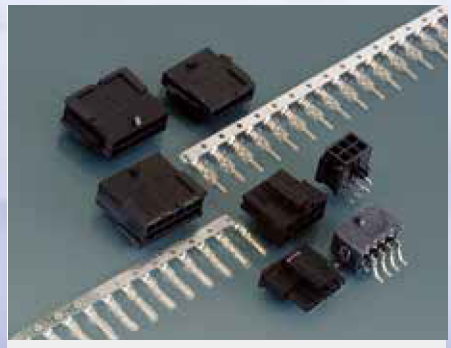
INDEX



TY3081 / 2 SERIES
• Pitch : 2.50mm • Page : 383~385



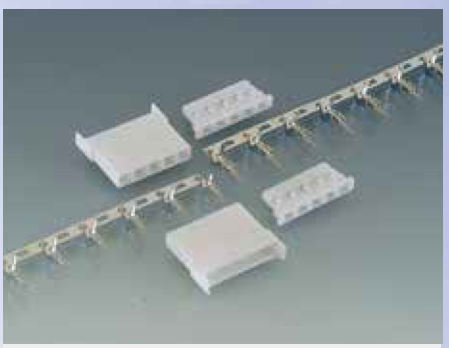
TY3083 / 4 SERIES
• Pitch : 2.50mm • Page : 386~389



TY3085 / 6 SERIES
• Pitch : 3.00 mm • Page : 390~404



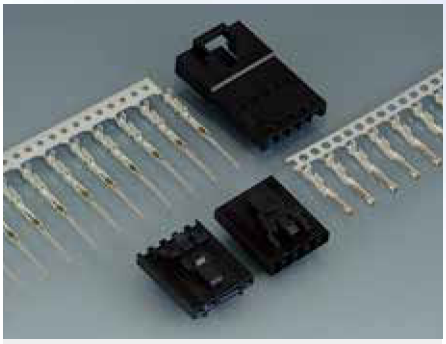
TY3501 SERIES
• Pitch : 3.50mm • Page : 405~408



TY4001 SERIES
• Pitch : 4.00mm • Page : 409~411



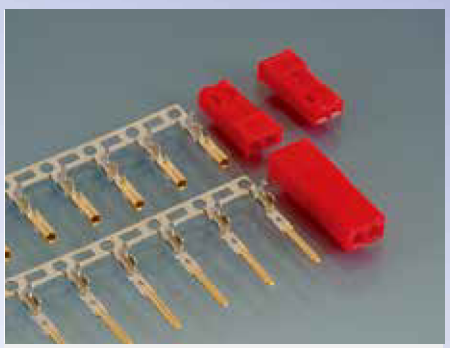
TY4281 / 2 SERIES
• Pitch : 4.20mm • Page : 412~427



TY5006 SERIES
• Pitch : 2.54mm • Page : 428~431



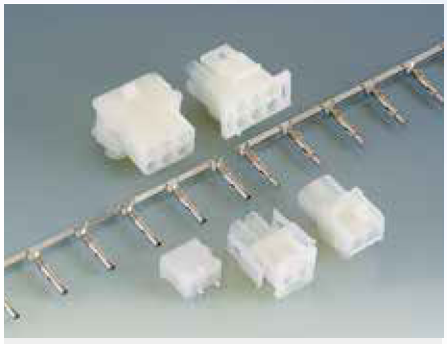
TY5081 / 2 / 3 / 4 SERIES
• Pitch : 2.54mm • Page : 432~436



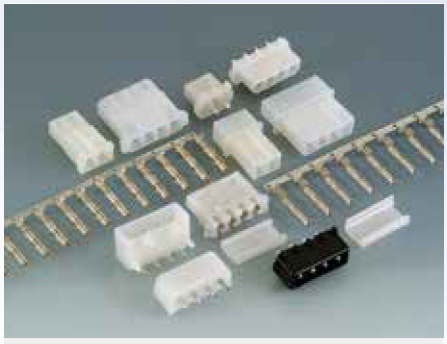
TY5085 / 6 SERIES
• Pitch : 2.54mm • Page : 437~439



TY5701 / 2 SERIES
• Pitch : 5.70mm • Page : 440~442



TY6351 / 2 SERIES
• Pitch : 6.35mm • Page : 443~450

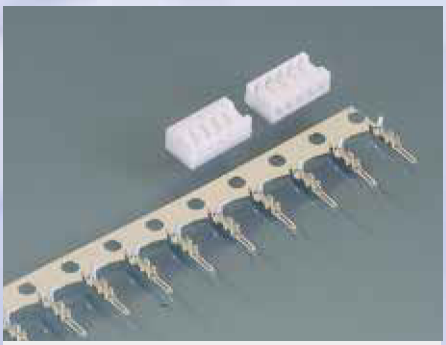


TY8081 / 2 SERIES
• Pitch : 5.08mm • Page : 451~456

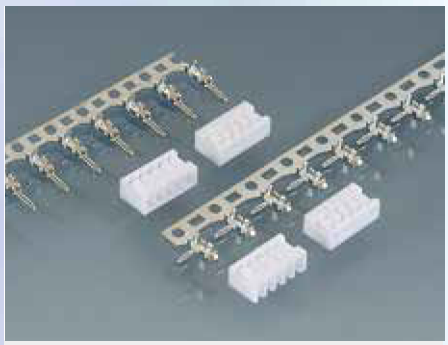
Board in Connector



TB1261 / 1861~3 / 2405 SERIES
• Pitch: Ø1.0,1.2,1.8, 2.4mm • Page: 457~461



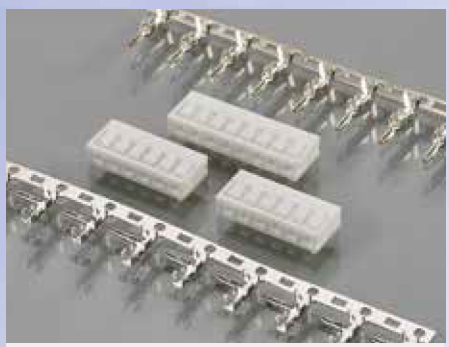
TB1262 SERIES
• Pitch: 1.25mm • Page : 462~463



TB1561 SERIES
• Pitch : 1.50mm • Page : 464~466



TB2061 SERIES
• Pitch : 2.00mm • Page : 467~469



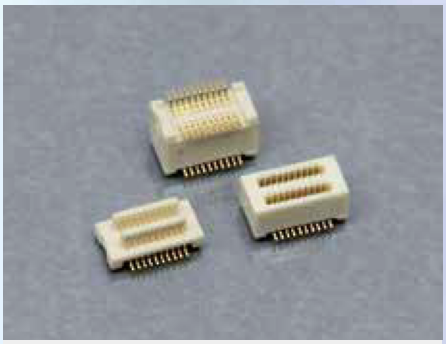
TB3061 SERIES
• Pitch : 2.50mm • Page : 470~473



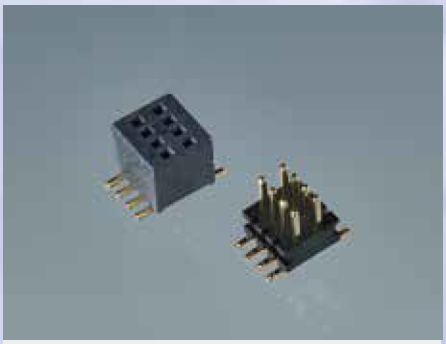
TB6061 SERIES
• Pitch : 3.96mm • Page : 474~475

INDEX

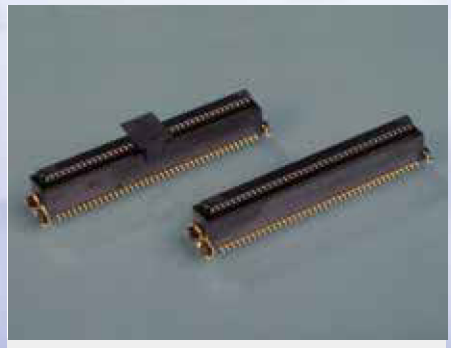
Board to Board



TP0521 SERIES
• Pitch : 0.50mm • Page : 476~478



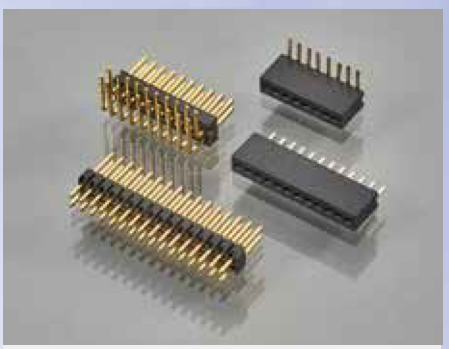
TP0803 SERIES
• Pitch : 0.80mm • Page : 479~480



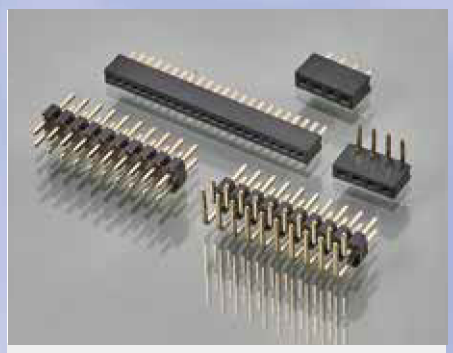
TP0803 SERIES
• Pitch : 0.80mm • Page : 481~483



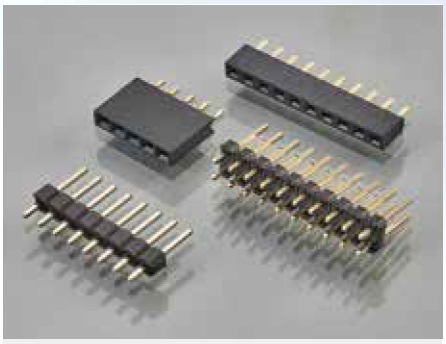
TP1251 SERIES
• Pitch : 1.25mm • Page : 484~486



TP1271 SERIES
• Pitch : 1.27mm • Page : 487~495



TP/TU2003 SERIES
• Pitch : 2.00mm • Page : 496~503



TP/TU5005 SERIES
• Pitch : 2.54mm • Page : 504~511



TP3085 / 6 SERIES
• Pitch : 3.00mm • Page : 512~513

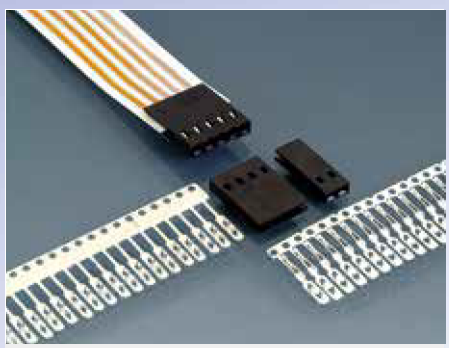
NGFF Connector



TG0535 SERIES

• Pitch : 0.50mm • Page : 514~516

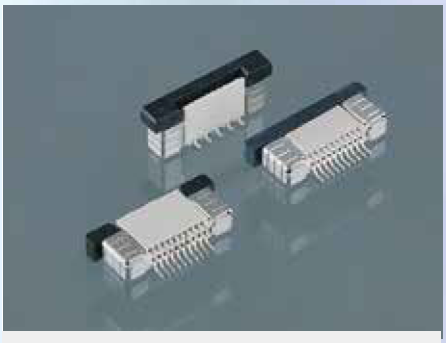
Other



TF2542 SERIES

• Pitch : 2.54mm • Page : 517~523

FPC Connector



TG0509 SERIES

• Pitch : 0.50mm • Page : 524~526



TG0520 SERIES

• Pitch : 0.50mm • Page : 527~528



TG0526 SERIES

• Pitch : 0.50mm • Page : 529~530



TG0534 SERIES

• Pitch : 0.50mm • Page : 531~532



TG1031 SERIES

• Pitch : 1.00mm • Page : 533~534

Waterproof Cable



TW0601 SERIES
• 6 Pin Signal Cable • Page : 535



TW0603 SERIES
• 2+1 Pin & 2 Pin Signal Cable • Page : 536



TW4002 SERIES
• 2-6 Pin Signal Cable • Page : 537



TW0701 SERIES
• 2-6 Pin Signal Cable • Page : 538



TW0921 SERIES
• 8-11 Pin Signal Cable • Page : 539



TW1003 SERIES
• 2 Pin Power Cable • Page : 540



TW1203 SERIES • Page : 541
• 2+4 Pin & 2+5PinPower + Signal Cable



TW2561 SERIES • Page : 542
• 2+5 Pin Power + Signal Cable



TW2801 SERIES • Page : 543
2+6 Pin Power + Signal Cable



TW2582 SERIES • Page : 544
• 2+6 Pin Power + Signal Cable



TW1015 SERIES • Page : 545
• 3+6 Pin Power + Signal Cable

Handling Precaution for Terminal and Connector

This manual is to describe basic precautions for use of terminal and connector in the following. Make use of this manual when wire connection processing is conducted in appliance designing and harness process.
When there are doubtful points in use, contact TYU.

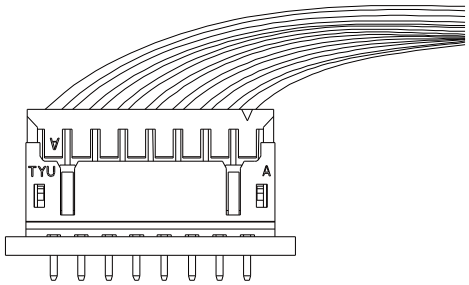
1. Common Handling Precautions :

- TYU's terminal and connector are designed to connect electricity and electrical signal, and not aimed to be used as structure or a part of structure premising that mechanical force loads to connection part (contact part) of TYU's terminal and connector.
- TYU's terminal and connector are designed to aim electrical connection in electrical appliances or between electrical appliances.
  They are not "connection appliance" conformed to Electric Appliance and Material Safety Law, so that they cannot use for wiring inside building material and cable wiring for indoor and outdoor.
- Use TYU's terminal and connector within the range of rated value of product specification and performance specification.
  This rated value and performance specification are specified as parts themselves, when using in actual use, use them after checking to satisfy regulation and design standard about appliances to be used.
- Do not apply external load to TYU's terminal and connector, processing process product and processing product (harness, etc.). Deformation and breakage, etc. occur, and it causes performance defect of connector.

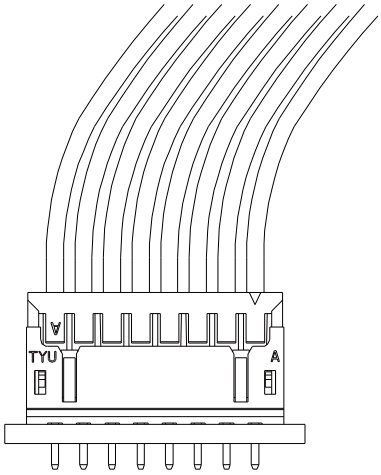
Handling Precaution for Terminal and Connector

- When checking circuit of harness with terminal and connector, handling, etc. in assembly of appliances of after wiring is fixed of applying load, due to tensile strength, to joint part of TYU's terminal and connector, joint part contact contacting part and wire is damaged and causes of contact defect.
  When handling and wiring wire harness, etc., provision such as an appropriate slack to wire is required in order not to apply abnormal load to joint part of TYU's terminal and connector. See examples 1 and 2.

Example 1 : Wire Board connector

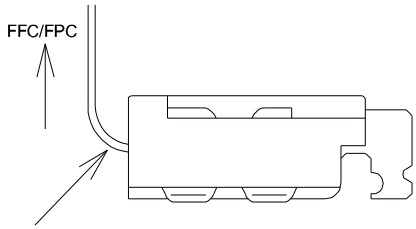


× Wire length is not sufficient to handle



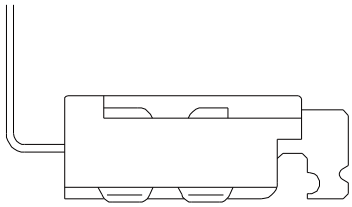
○ Wire length is not sufficient to handle

Example 2 : FFC / FPC connector

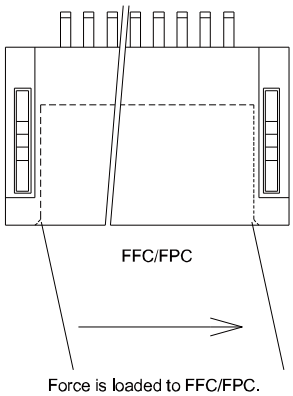


Force is loaded to FFC/FPC .

×FFC/FPC length is not sufficient to handle.

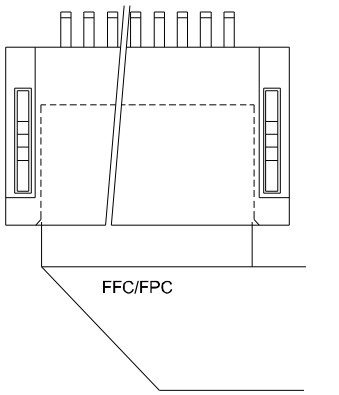


○FFC/FPC length is sufficient to handle.



Force is loaded to FFC/FPC.

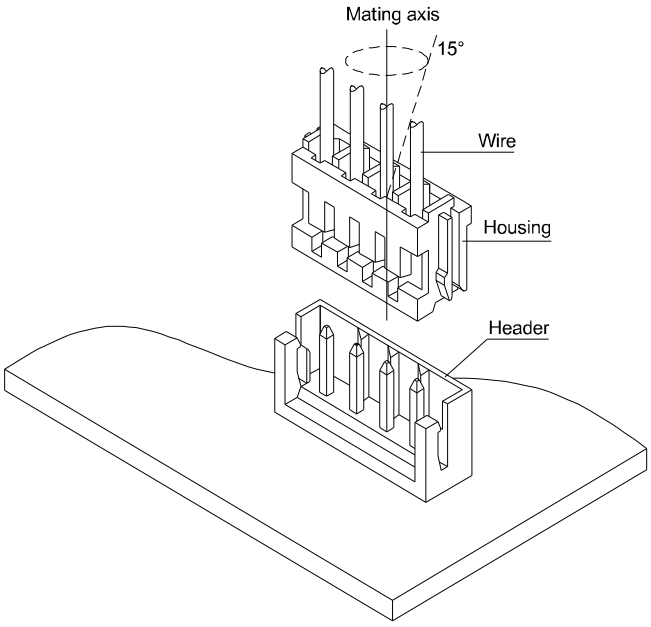
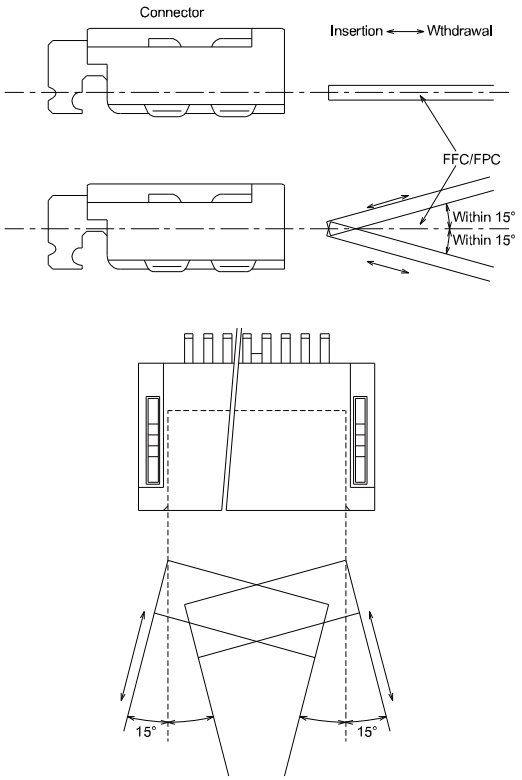
×Force is loaded to FPC .



○Forming processing is conducted to FPC so as not to load force to connector.

Handling Precaution for Terminal and Connector

- When disconnectable TYU's terminal and connector is mated and unmated (hereafter referred to as disconnection operation) in check of harness, etc., assembly of appliances and maintenance such as repair, etc., hold wire in a bundle and operate it within 15 degrees which is an indicated angle specified in TYU product specification or TYU handling manual, the specified one is prior. Disconnection operation beyond specified angle leads to expanding of mating part of contact, and causes of contact defect.

Example 3 : In case of wire to board connector	Example 4 : In case of connector of FFC/FPC
	

- When electrical continuity of circuit and miss-wiring are checked, do not insert others than the applicable mating (shrouded header and header, etc.).It leads to deformation of contact, etc., and causes of contact defect.
- In packaging and storage of processing product of TYU's terminal and connector, do not apply load by stack for a long time.
  It leads to deformation of TYU's terminal and connector, and causes of performance defect.

Handling Precaution for Terminal and Connector

2. *Handling Precaution for Terminal and Connector in Electrical Appliances :*

- TYU's terminal and connector are not designed so that they may disconnect in live electrical circuit. Do not disconnect TYU's terminal and connector in the live electrical condition in order to prevent damage and performance defect by spark, etc.
- In case that condensation and water leak occurred on TYU's terminal and connector, there is a risk that insulation defect may occur between circuits. When it is estimated that condensation and water leak occur, appropriate countermeasure to prevent water drop is required.
- When using TYU's terminal and connector, avoid using to branch and apply electricity more than rated value to some circuits. Even if electricity per a circuit is set not to exceed rated value on calculation, electricity per a circuit is not shared equally due to variation of circuit pattern and contact resistance, so that performance deterioration makes progress by current continuity more than rated value, and abnormality occurs.
- When connectors are used at parts that wire and printed circuit board with connectors resonate or mating part (connection part) of connect or always moves whenever appliance has rotation structure or moving part, that causes contact defect by fretting corrosion of contact part. Appropriate provision such as fixing of wire and printed circuit board in appliances or support of printed circuit board and suppression of resonation, etc.
- When contact material of TYU's terminal and connector is brass, breakdown and cracking (stress corrosion cracking) occur in the existence of corrosive gas and moisture (condensation, etc.) of ammonia and sulfur gas, etc., and that causes of contact defect of connector. When effect of corrosive gas of ammonia and sulfur gas, etc. aforementioned condition is expected in use place of terminal, connector and its electrical appliances to use, use copper-alloy material (phosphor bronze material, etc.) except for brass material as a contact material. Contact TYU for products.
- After connector was connected to printed circuit board with solder, when printed circuit board is stacked on connector, deformation of mating part of connector and adhesion of foreign matter occur, and that causes of contact defect of connector. Do not stack printed circuit board after connection with solder.

3. *Note for Wire Connection Processing of Harness Processing, etc. :*

- When TYU's terminal, chain terminal and connector are crimped or terminated with wire, use tools specified in TYU. If connection is conducted by other tools than the specified one, it causes of contact defect and breakage. Besides, after checking processing operation condition, etc., process harness.
- As defect control of important control point on wire connection processing of TYU's terminal and connector such as applicable wires and crimp height, etc. causes contact defect, check control point before processing.
- As a rule, applicable wires for crimping connector and insulation displacement connector are tin-plated annealed copper wire (stranded wire). It is necessary to check when using bare copper wire, solid wire, tin-coated wire and shielding wire. However, wires of terminal and connector specified individually are decided depending on each specification.

Precaution for Crimping Process

The following instructions describe the procedure to be adopted when crimping terminals or contacts onto wires. Please read the relevant connector and application tooling "Handling Manuals" prior to termination the connector. If you need any further information, please contact TYU.

1. Crimping tools :

When TYU chain terminals are crimped or terminated with wires, always use application tooling specified by TYU. If this process is conducted using application tooling other than that specified, product defect and failure may occur. TYU cannot accept any liability for failures due to the use of non-TYU application tooling.

2. Applicable wires :

Before starting the crimping process, please confirm that the wire to be used is within the range of the chosen crimping terminal.

As a rule, applicable wires for crimping connector are tin-plated annealed copper stranded wire. Bare copper wire, solid wire, tin-coated wire, shielded wire and so on are out of range. However, it is possible to use other wires if they are checked for compatibility with the chosen crimping terminal.

3. Control Points for Crimping Operation :

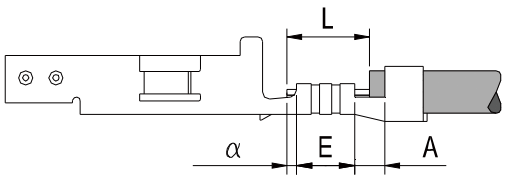
Please check the following points to ensure that a correctly crimped terminal and wire combination is produced.

3-1. Checking Application Tooling :

Read the "Operation/Handling Manuals" which are available for each press and application tool prior to commencing the crimping operation.

3-2. Stripping Wire Insulation Operation :

As the wire stripping length is influenced by wire style, crimping method and so on. Please set the proper stripping length according to processing condition. After setting the correct length depending on the terminal used, strip the insulation carefully by a wire stripper etc. without any damage to the wire conductors.



[Reference]

Stripping length L=E + A / 2 + α

The proper value of is depended on each terminal.

[Cautions]

(1) Take care to prevent cutting of wire conductors, uneven stripping length and insufficient cutting of the insulation.

(2) Ensure the strands do not spray come apart.

(3) Do not excessively twist the strands.

Precaution for Crimping Process

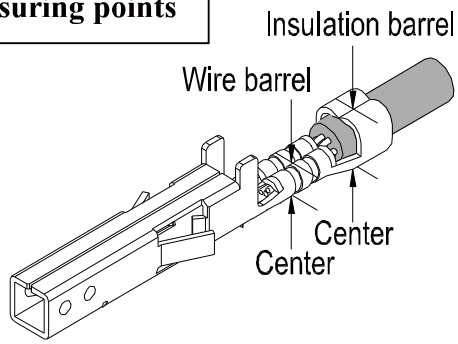
3-3. Crimping Height :

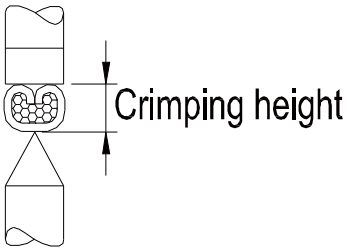
Crimping height is one of the important quality management items on crimping process.
As crimping terminals without the correct crimp-height is the cause of poor conductivity, measure the crimp-height at the start, in the middle and at the end of the crimping process.

3-3-1. Measuring Method :

Measure the crimping height of the crimped terminals with a specified crimp micrometer (designed by TYU) at the center of the wire barrel and at the center of the insulation barrel.

Measuring points



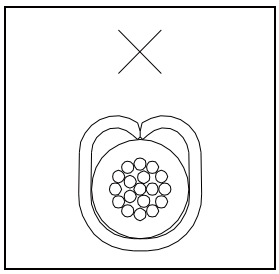


3-3-2. Crimping height for wire barrel

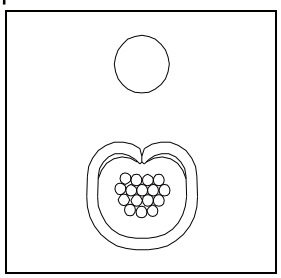
Set the crimping height of the wire conductor barrel within the range specified by TYU.

3-3-3. Crimping height for insulation barrel

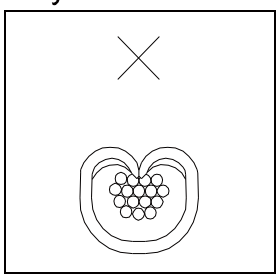
Adjust the crimping height of the insulation barrel in relation to the outer diameter of the wire insulation and wire type. Determine the range of crimping height for insulation barrel so that it is not crimped excessive nor too loosely.



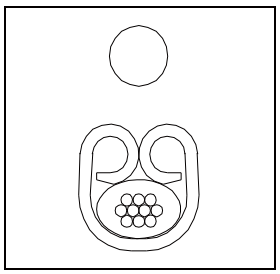
- Insufficient crimping
- Wire insulation is easily pulled form the terminal when applying tension to the wire.



- Good

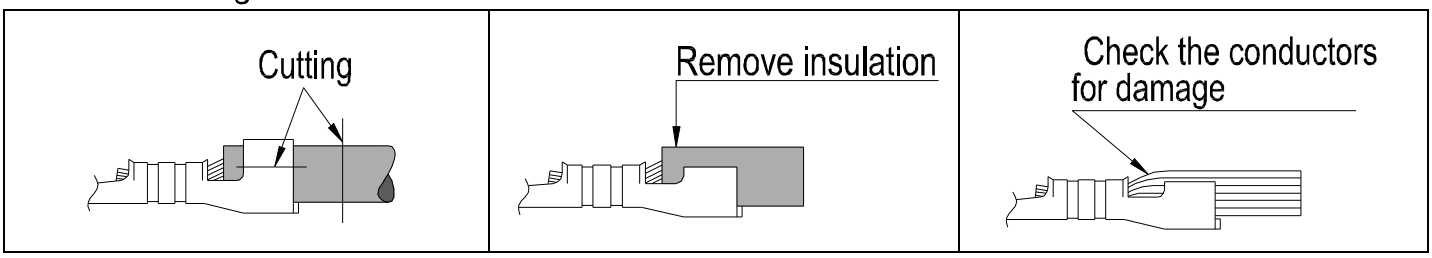


- Excessive crimping
- The barrel edges cut into the wire & damage the conductors.



- Good

Check: Cut off the insulation support and remove the wire insulation, then check the wire conductors for damage.



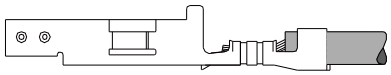
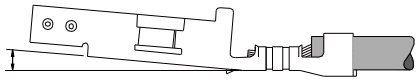
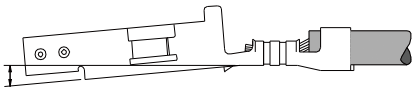
Precaution for Crimping Process

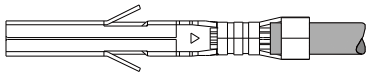
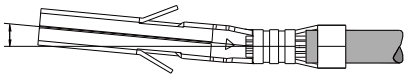
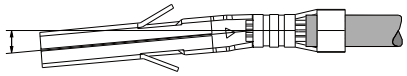
3-4. Crimped Appearance

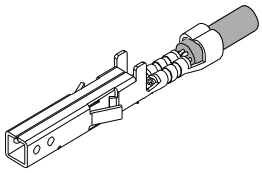
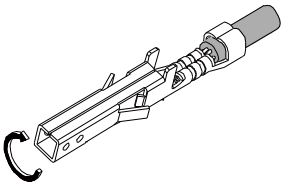
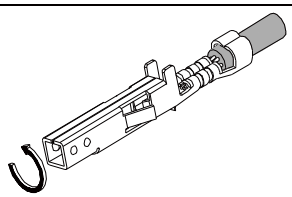
Check crimped appearance visually (using loupe etc.) in order to confirm correct crimping condition.

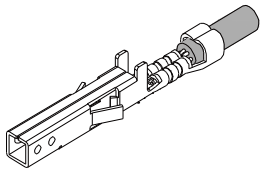
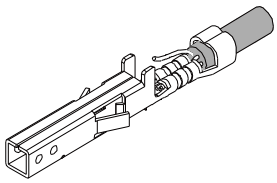
As the inspection items change with each terminal, an example is shown below.

Check the Handling Manual for each terminal or connector about the specific details to be checked.

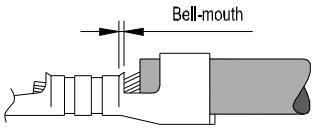
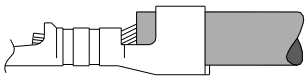
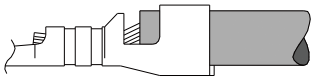
Bend up & Bend down	
Check the angle of bend up or bend down at the wire barrel.	
○ Good	
× Bend up	
× Bend down	

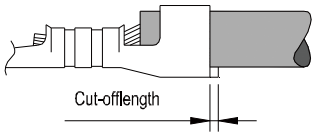
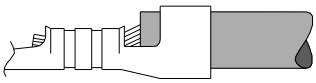
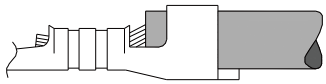
Twist	
Check the angle of twist at the wire barrel.	
○ Good	
× Twist	
× Twist	

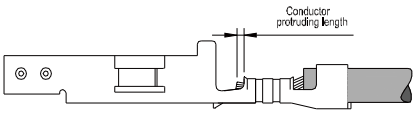
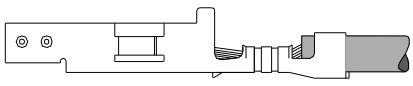
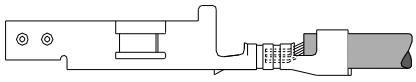
Rolling	
Check the angle of rolling at the wire barrel.	
○ Good	
× Rolling	
× Rolling	

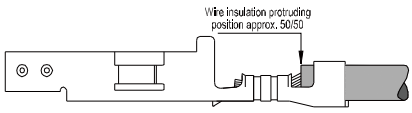
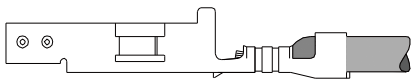
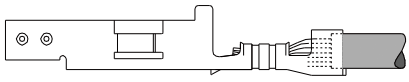
Un-crimped Conductor	
Check that there are no un-crimped conductors at the wire barrel.	
○ Good	
× Un-crimped conductor	

Precaution for Crimping Process

Bell-mouth	
Check bell-mouth size	
○ Good	
× No bell-mouth	
× Too much bell-mouth	

Cut-off Length	
Check cut-off length	
○ Good	
× No cut-off length	
× Too much cut-off length	

Wire Conductor Protruding Length	
Check the conductors are crimped at the correct position of whole wire barrel.	
○ Good	
× Conductors protrude excessively	
× Conductors do not protrude enough	

Wire Insulation Protruding Position	
Check the wire insulation is held be the whole insulation barrel and crimped at the wire barrel, so that a “window” of conductor is seen between the wire and insulation barrel approximately 50/50	
○ Good	
× Wire insulation is crimped at the wire barrel	
× Wire insulation is incompletely crimped at the insulation barrel	

Precaution for Insulation Displacement Process

The following instructions describe the procedure to be adopted when terminating Insulation Displacement connectors. Please read the relevant I.D. Connector and application tooling "Handling Manuals" prior to terminating the connector. If you need any further information, please contact TYU.

1. *Insulation Displacement tools :*

When TYU insulation displacement connectors (ID connectors) are terminated with wires, always use application tooling specified by TYU. If this process is conducted using application tooling other than that specified, product defect and failure may occur. TYU cannot accept any liability for failures due to the use of incorrect tooling.

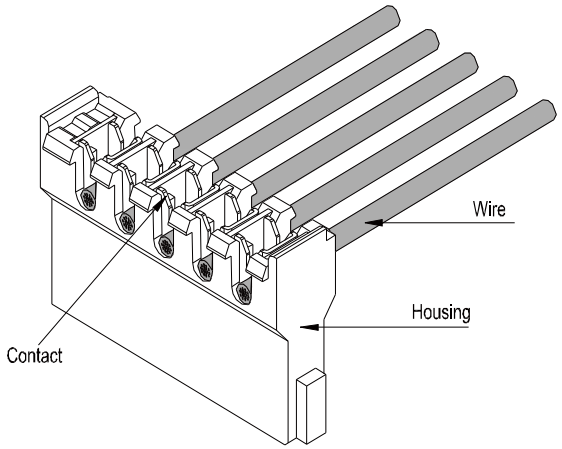
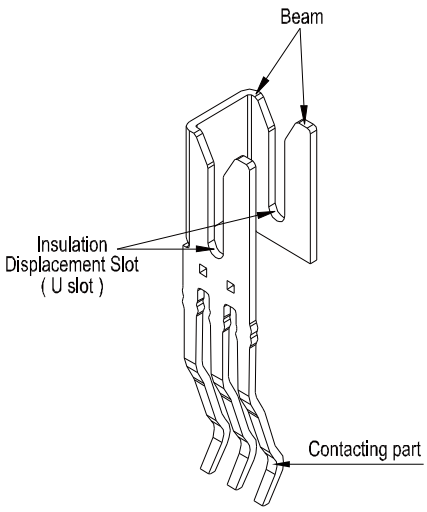
2. *Applicable Wires :*

Wire to be used for ID connector, please use the wire that is specified by TYU

> As applicable wire for ID connector differs in the characteristics of wire insulation by the manufactures, wire evaluation test shall be carried out by TYU, and propriety of wire applicability shall be determined. Please contact TYU about suitability of the wire to be used.

3. *Composition and Parts Identification of IDC :*

Composition and parts identification of ID connector are shown in the below figure.

● Connector	● Contact
	

Precaution for Insulation Displacement Process

4. Control Points for Insulation Displacement Operation :

In order to perform a good insulation displacement connection, please study the following points.

4-1. Insulation Displacement Machine

Handling Manuals are available for each type of TYU application tool. Please study the Handling Manual prior to using the tooling.

<Main Check Points>

① Hand Press
- ⊙ Correct shut-height
- ⊙ Set connector at the correct position
- ⊙ No particles of wire insulation on the termination punch

② Pneumatic Press
- ⊙ Air pressure should be within specified range.
- ⊙ Set connector at the correct position
- ⊙ No particles of wire insulation on the termination punch

③ Automatic ID Machine
- ⊙ Each Part should move freely.
- ⊙ Connector should be correctly fed at bowl-feeder and straight chute
- ⊙ Adequate tension should be applied to wire
- ⊙ Measuring wire length should be correctly set up to specified wire length
- ⊙ Connector should be set at the correct position
- ⊙ If a connector with a different number of circuits is to be used, check that any previously used connectors are removed form track and bowl-feeders.
- ⊙ No particles of wire insulation on the termination punch or wire guide.

4-2. Connector & Wire Size

Each ID connector has been designed for specified the wire size, please ensure that the correct connector is selected for use with the applicable wire conductor size from Handling Manual etc.

4-3. Termination Depth

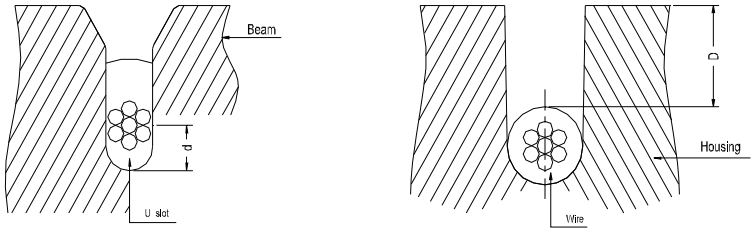
A specific termination depth has been developed for each particular wire and connector combination. Please ensure that the applicable Handling Manual is checked for the particular wire size that is chosen to be used.

Precaution for Insulation Displacement Process

4-3-1. What is Termination Depth

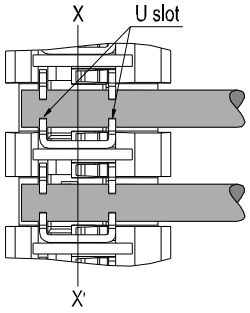
The termination depth is used as a running check during production of the ID harness. This disposes of the requirement to check the termination depth using destructive methods. Each connector has a u-slot designed for a specific conductor wire size, therefore providing the wire used is within specification of the connector, it is only necessary to manage the depth of the wire in the u-slot during production. The true termination depth is “d” in the figure of next page, i.e. check the position of center of wire conductor from bottom of U slot. However, as the result of checking the condition of the insulation displacement at U-slot and measuring wire retention force, we specify termination depth “D” as the checking point during production.

Termination Depth



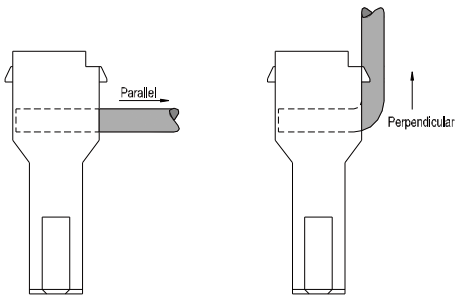
4-3-2. How to Measure Termination Depth

The termination depth shall be measured in the figure below at X-X’ part, where is in the middle part of two U slots and a flattened part pressed by termination punch, immediately after termination operation. If the termination depth is not measured immediately after the termination operation, the insulation will try and revert to its original shape and correct termination depth can not be measured.



4-4. Wire Retention Force

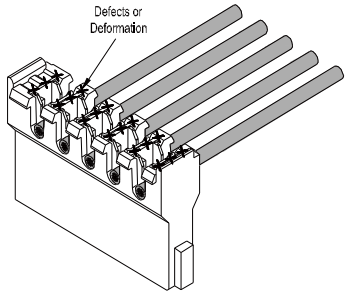
Wire retention force is specified for each combination between ID connector and wire.
The wire retention force is specified in the applicable connector Handling Manual.
The terminated wire shall be pulled one by one in the direction of arrow in the figure below, and wire retention force shall be measured by a push-pull gauge etc. When the wire pulls out of the contact, it should be checked that wire retention force is in compliance with the requirement for each ID connector.

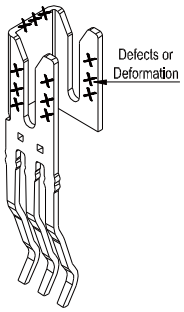


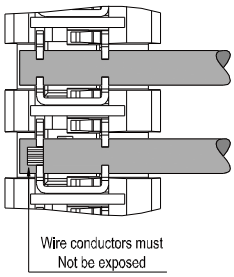
Precaution for Insulation Displacement Process

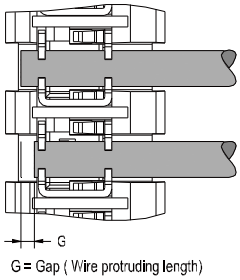
4-5. Termination Appearance

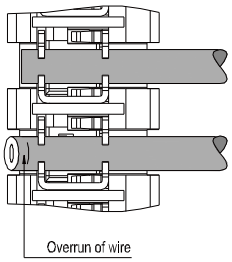
Check termination appearance visually (using loupe etc.) in order to confirm correct termination.
As the inspection items change with each ID connector, an example is shown below.
Check the Handling Manual for each ID connector about the specific details to be checked.

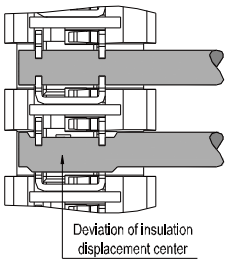
Defects or deformation on housing
Check for defects or deformation on housing


Defects or deformation on Contact
Check for defects or deformation on contact


Exposure of wire conductors around beam of contact
Check that the wire conductors are not exposed around the beam of contact.


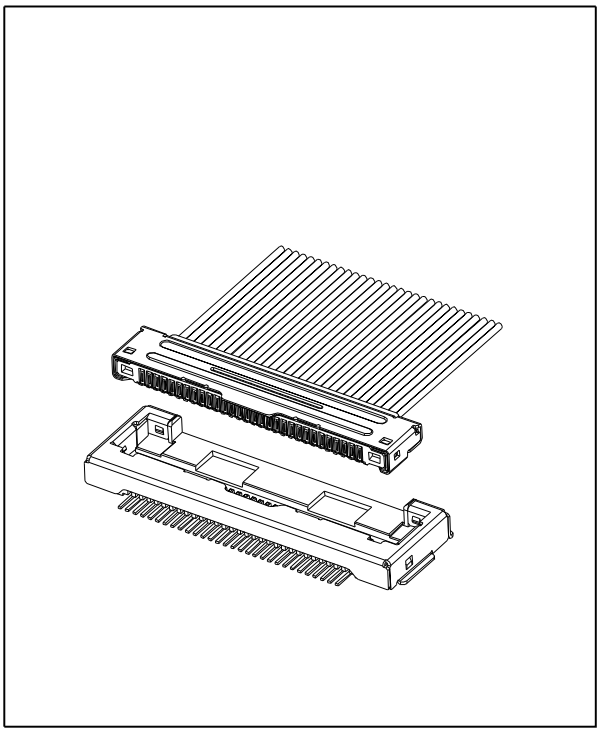
Gap between housing wall and wire tip (Wire protruding length)
Check gap “G” between housing wall and wire tip


Overrun of wire
Check for overrun of wire


Deviation of ID center
Check for no deviation of insulation displacement center


TS0402 SERIES

0.40mm Pitch Wire To Board Connector

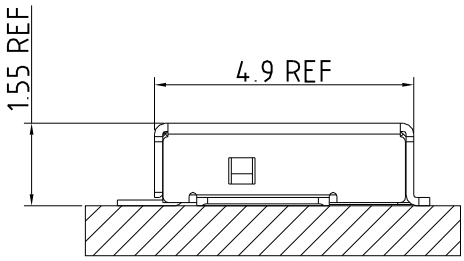


Specification

Circuits	30
Pitch	0.40mm
Current Rating	0.3A AC/DC
Voltage Rating	50V AC/DC
Voltage Rating	60mΩ MAX.
Withstand Voltage	250V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-55°C - +85°C
Applicable Wire Range	AWG #40 - #42 SGC cable

Assembly Layout

Vertical SMT Type



TS0402 WNV - 30P * * - * W *
① ② ③ ④⑤ ⑥ ⑦

TS0402 HNO - 30P - *
① ② ③ ④

① Part No. TS0402	④ Mount Type 6 : SMT With Mylar Type G2 : Gold 2u" Over Nickel (HNO)	⑥ Finish 6: Gold 2u" Over Nickel
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer	⑤ Shell Finish 1: Gold Flash Over Nickel	⑦ Mount Type 2 : Height 1.55mm
③ Number of Contacts: 30P : 30 Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TS0402 SERIES

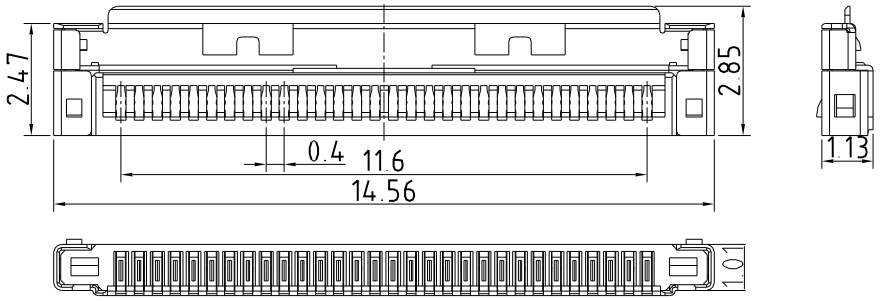
0.40mm Pitch Wire To Board Connector

Unit : mm

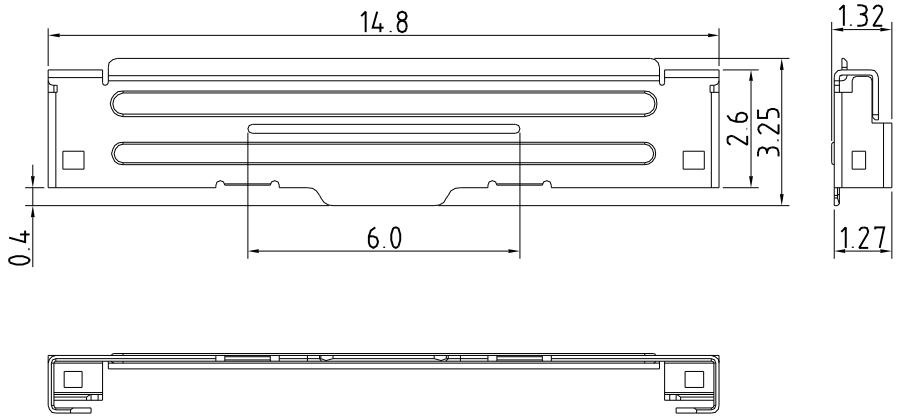
Housing

Soldering Type

Features
Available Number of Circuits: 30
Material: High Temperature Thermoplastic UL94V-0
Contact**:** 0.12mm(.005") Copper Alloy, Gold plated
Shell**:** 0.12mm(.005") Stainless, Nickel-plated
Mates with: TS0402 Series Wafer
Part No: TS0402HNO-30P-G2



Part No: TS0402EMISOF-30P-NE



FRONT SHELL

TS0402 SERIES

0.40mm Pitch Wire To Board Connector

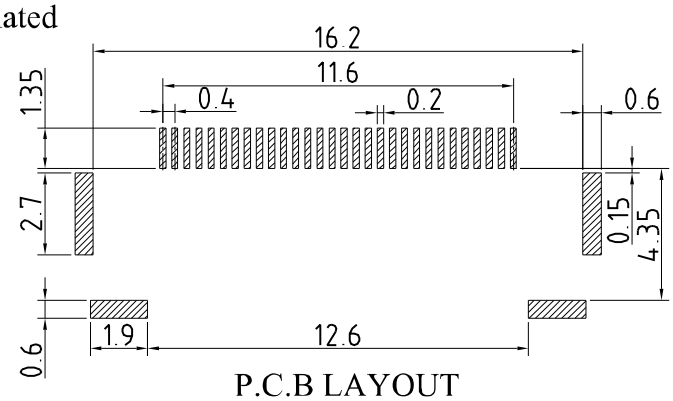
Unit : mm

Wafer

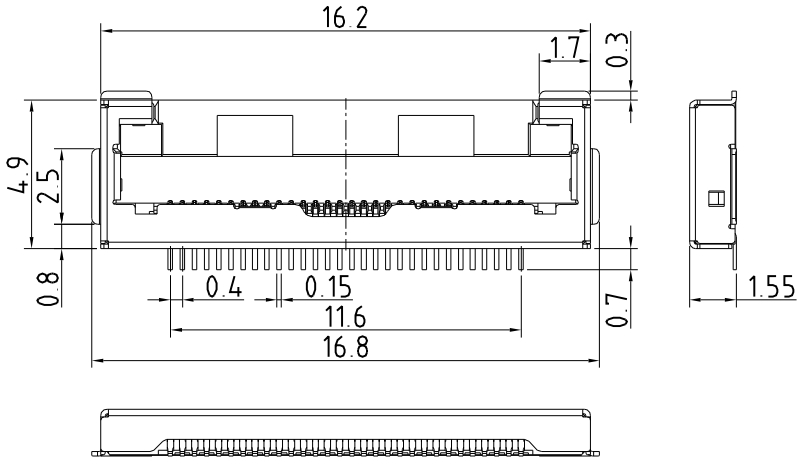
Vertical SMT Type

Features

Available Number of Circuits: 30
Material: High Temperature Thermoplastic UL94V-0
Contact: 0.10mm(.004") Copper Alloy, Gold plated
Shell: 0.12mm(.005") Stainless, Gold plated
Mates with: TS0402 Series Housing
Part No: TS0402WNV-30P61-6W2

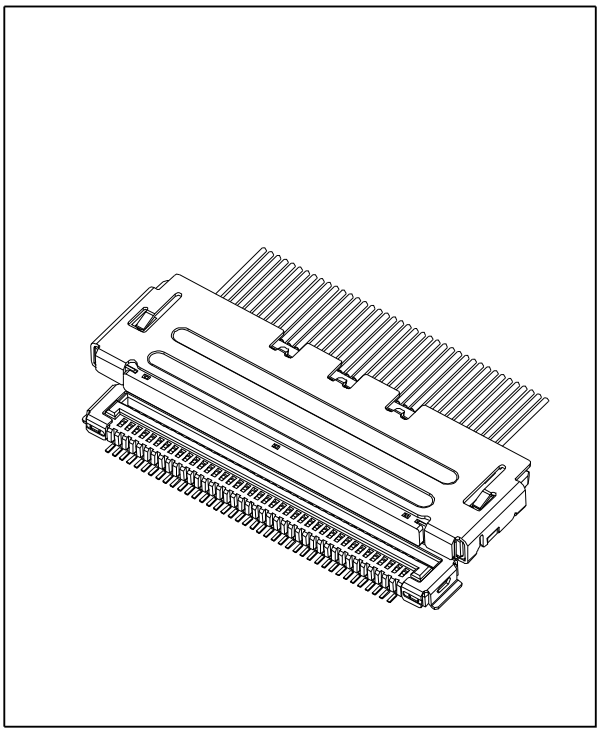


P.C.B LAYOUT



TD0502 SERIES

0.50mm Pitch Wire To Board Connector

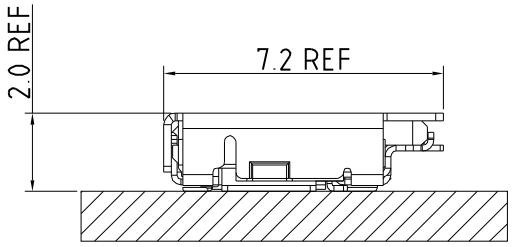


Specification

Circuits	20,30,40
Pitch	0.50mm
Current Rating	AWG#36 0.30A AC/DC
	AWG#40 0.25A AC/DC
	AWG#42 0.20A AC/DC
Voltage Rating	50V AC/DC
Contact Resistance	60mΩ MAX.
Withstand Voltage	150V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-55°C - +85°C
Applicable Wire Range	AWG #36 - 42

Assembly Layout

Vertical SMT Type



TD0502 * - NP *- *
① ② ③ ④ ⑤

① Part No. TD0502	④ Mount Type S : SMT-Type Wafer	
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer	⑤ Finish Blank: As Specified GO : Gold-flash over Nickel G*: Gold *u" Over Nickel	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TD0502 SERIES

0.50mm Pitch Wire To Board Connector

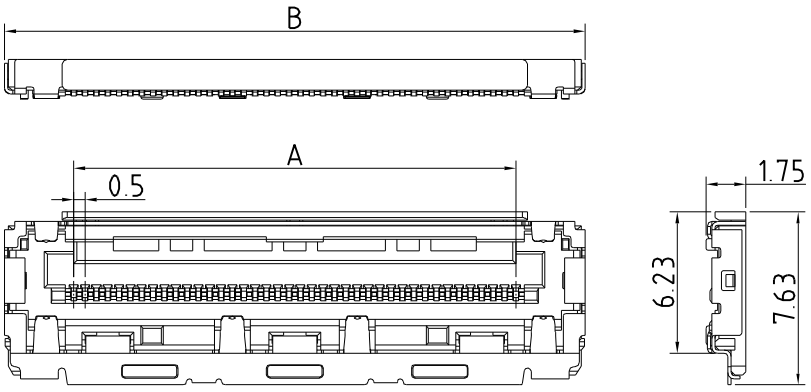
Unit : mm

Housing

Soldering Type

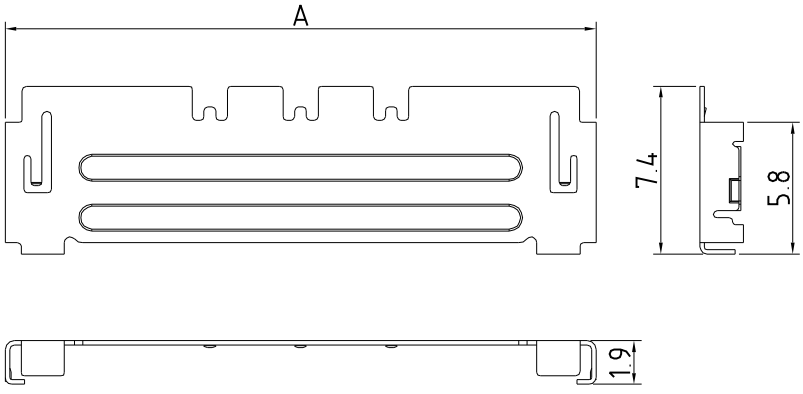
Features

Available Number of Circuits: 20,30,40
Material: High Temperature Thermoplastic 94V-0
Contact: 0.20mm(.008") Copper Alloy, Gold plated
Shell: 0.15mm(.006") Copper Alloy, Tin-plated
Mates with: TD0502 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
20	TD0502HNO-20-*-*	9.50	15.60
30	TD0502HNO-30-*-*	14.50	20.60
40	TD0502HNO-40-*-*	19.50	25.60



Dimension and Order Information

Circuits	Part No.	DIM.(mm)
		A
20	TD0502EMIS0F-20-*	16.05
30	TD0502EMIS0F-30-*	21.05
40	TD0502EMIS0F-40-*	26.05

FRONT SHELL

TD0502 SERIES

0.50mm Pitch Wire To Board Connector

Unit : mm

Wafer

Vertical SMT Type

TD0502

Features

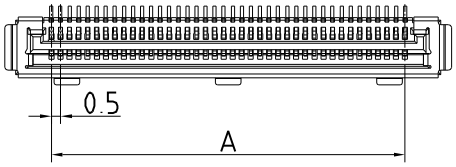
Available Number of Circuits : 20,30,40

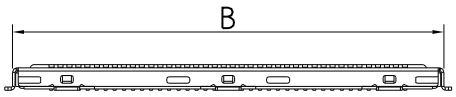
Material : High Temperature Thermoplastic 94V-0

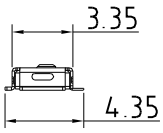
Contact : 0.10mm(.004") Flat Pin,Copper Alloy, Gold plated

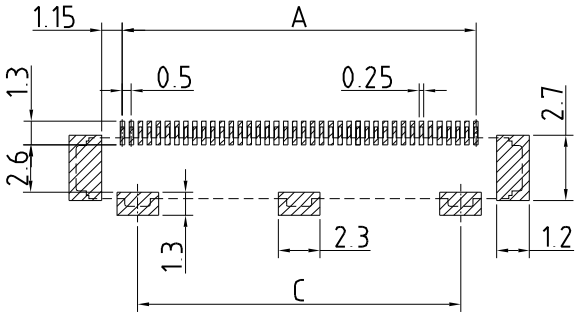
Shell : 0.15mm(.006") , Copper Alloy, Tin-plated

Mates with : TD0502 Series Housing









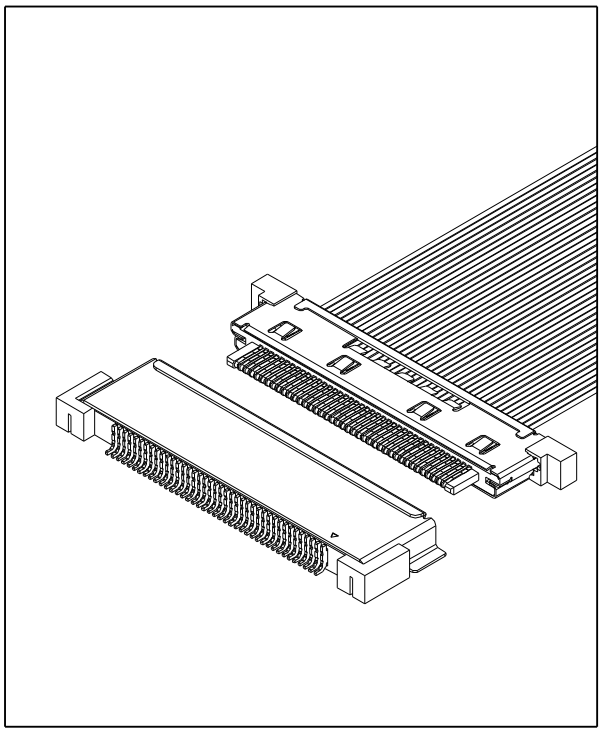
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
20	TD0502WNV-20S-*-*	9.50	13.80	7.80
30	TD0502WNV-30S-*-*	14.50	18.80	12.80
40	TD0502WNV-40S-*-*	19.50	23.80	17.80

TS0506 SERIES

0.50mm Pitch Wire To Board Connector

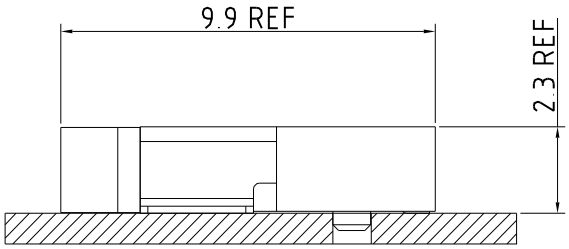


Specification

Circuits	20,30,40,50
Pitch	0.50mm
Current Rating	AWG#32 1.0A AC/DC AWG#34 0.8A AC/DC AWG#36 0.8A AC/DC AWG#38 0.6A AC/DC AWG#40 0.3A AC/DC
Voltage Rating	100V AC/DC
Contact Resistance	55mΩ MAX.
Withstand Voltage	250V AC/minute
Insulation Resistance	1000MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #32 - #40

Assembly Layout

Right Angle SMT Type



TS0506 * - NP * - *
① ② ③ ④ ⑤

① Part No. TS0506	④ Mount Type S : SMT-Type Wafer	
② Connection Type: HNO : Terminal Socket WNR : Right Angle Wafer	⑤ Finish Blank: As Specified GO : Gold-flash over Nickel G*: Gold *u" Over Nickel	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TS0506 SERIES

0.50mm Pitch Wrie To Board Connector

Unit : mm

Housing

Soldering Type

Features

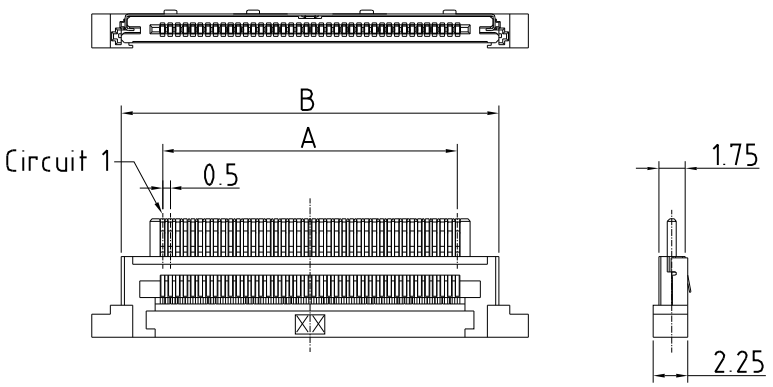
Available Number of Circuits : 20,30,40,50

Material: High Temperature Thermoplastic UL94V-0

Contact : 0.15mm(.006") Copper Alloy, Gold plated

Shell : 0.12mm(.005") Copper Alloy , Tin-plated

Mates with : TS0506 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
20	TS0506HNO-20-*-*	9.50	15.00
30	TS0506HNO-30-*-*	14.50	20.00
40	TS0506HNO-40-*-*	19.50	25.00
50	TS0506HNO-50-*-*	24.50	30.00

Wafer

With Shield Right Angle SMT Type

Features

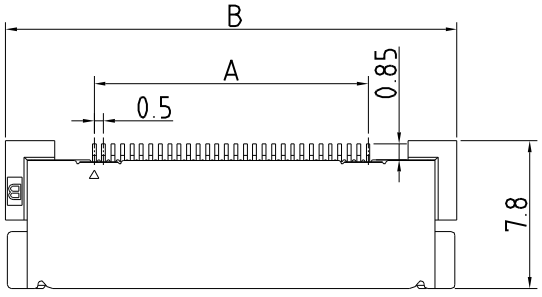
Available Number of Circuits : 20,30,40,50

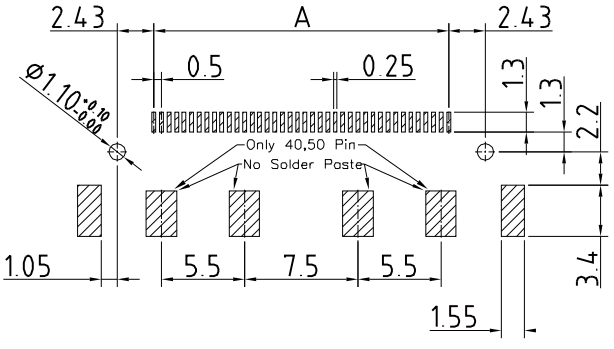
Material: High Temperature Thermoplastic UL94V-0

Contact : 0.2mm(.008") Copper Alloy, Gold plated

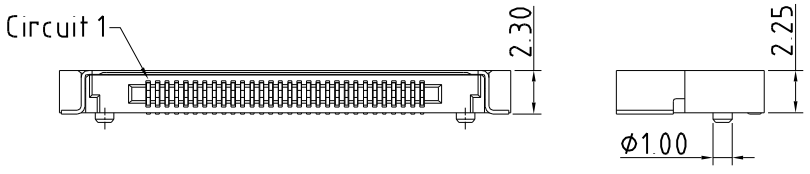
Shell : 0.20mm(.008") Copper Alloy , Gold plated

Mates with : TS0506 Series Housing





P.C.B LAYOUT



Dimension and Order Information

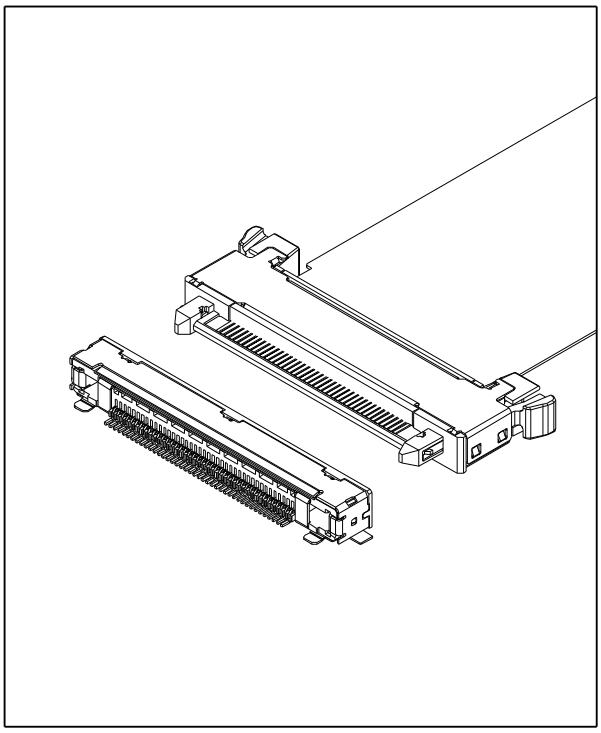
Circuits	Part No.	DIM.(mm)	
		A	B
20	TS0506WNR-20S-*-*	9.50	18.90
30	TS0506WNR-30S-*-*	14.50	23.90
40	TS0506WNR-40S-*-*	19.50	28.90
50	TS0506WNR-50S-*-*	24.50	33.90

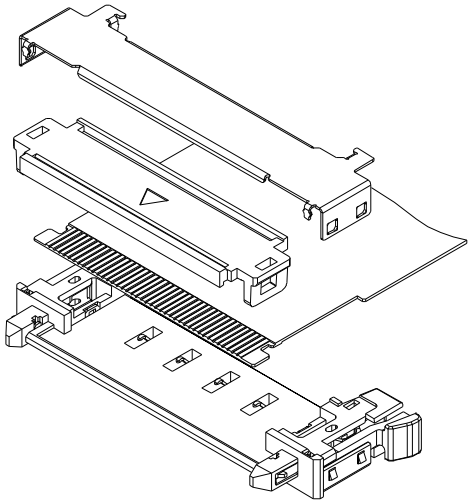
TG0503 SERIES

0.50mm Pitch Wire To Board Connector

Specification

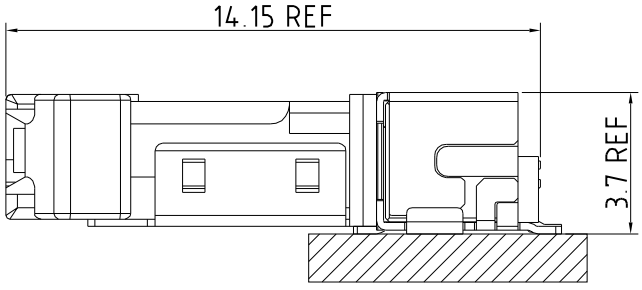
Circuits	41,51,
Pitch	0.50mm
Current Rating	0.3A AC/DC
Contact Resistance	40mΩ MAX.
Withstand Voltage	250V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-40°C - +85°C





Assembly Layout

Right Angle Type



TG0503 ① * - ② NP ③

① Part No. TG0503		
② Connection Type: HNO : FFC Socket CNO : Cover EMISOF : EMI Shell		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TG0503 SERIES

0.50mm Pitch Wire To Board Connector

Unit : mm

Housing

FFC Type

Features

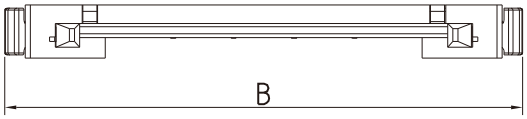
Available Number of Circuits : 41,51

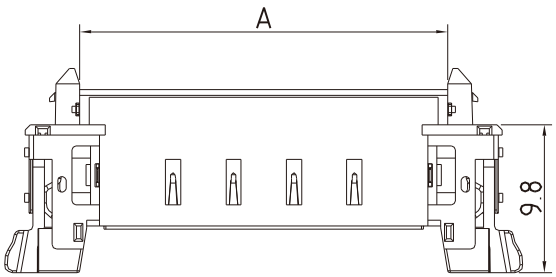
Material: High Temperature Thermoplastic UL 94V-0

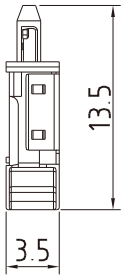
Shell: 0.2mm(.008") Stainless steel

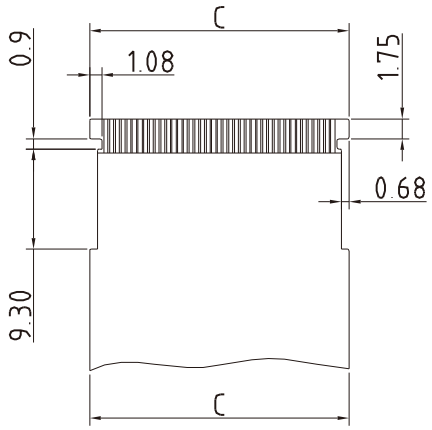
Lock Spring: 0.3mm(.012") Stainless steel

Mates with : TU0503 Series Wafer





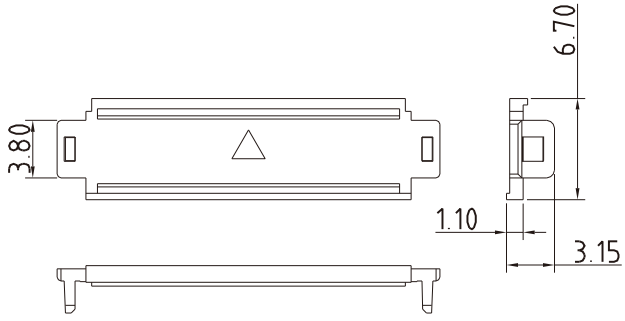




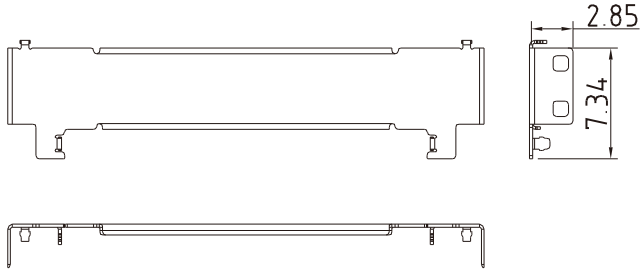
Recommended FFC dimension

Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
41	TG0503HNO-41	24.35	34.25	22.90
51	TG0503HNO-51	29.35	39.25	27.90



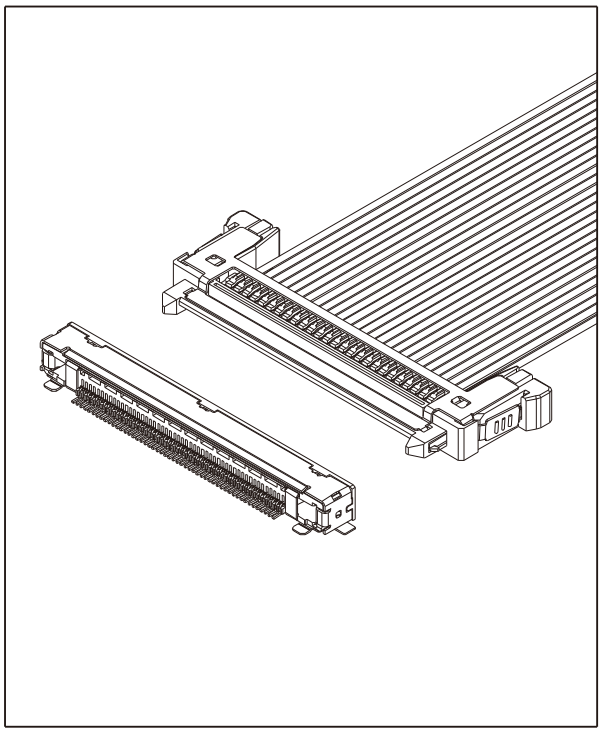
COVER
TG0503CNO-NP



FRONT SHELL
TG0503EMIS0F-NP

TU0503 SERIES

0.50mm Pitch Wire To Board Connector

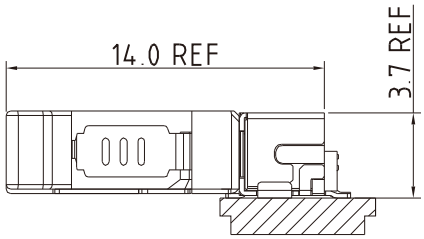


Specification

Circuits	21,31,41,51
Pitch	0.50mm
Current Rating	0.7A AC/DC
Voltage Rating	50V AC/DC
Contact Resistance	50mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-40°C - +80°C
Applicable Wire Range	AWG #30 - #34

Assembly Layout

Right Angle Type



TU0503 * - NP * - * - *
① ② ③④ ⑤ ⑥

① Part No. TU0503	④ Mount Type S : SMT-Type Wafer	⑥ RE : With Shell
② Connection Type: HNO : Terminal Socket WNR : Right Angle Wafer	⑤ Finish GO : Gold-flash Over Nickel G*: Gold *u" Over Nickel	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU0503 SERIES

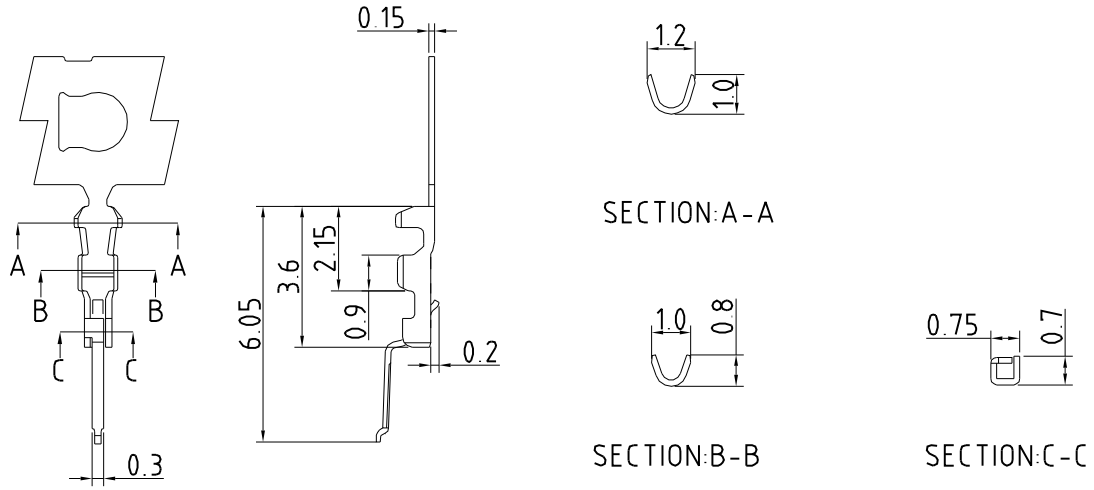
0.50mm Pitch Wire To Board Connector

Unit : mm

Terminal A-Type

Features

Use with : TU0503 Series Housing (Part A)



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU0503TPA-*	AWG #30-#34	0.75mm(MAX.)	Phosphor bronze	See note	15,000 pcs

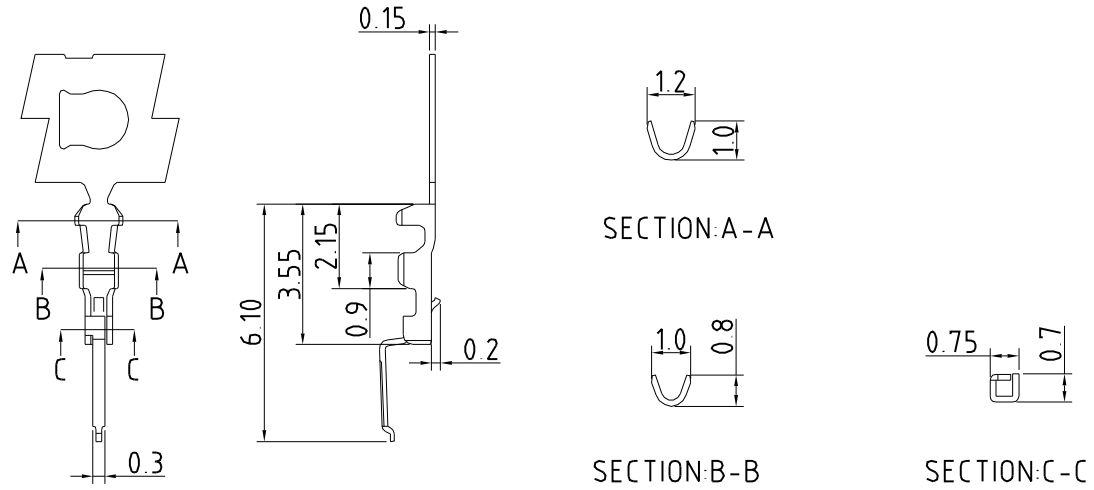
Note:

For this product in a different specification please contact TYU for more information

Terminal B-Type

Features

Use with : TU0503 Series Housing (Part B)



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU0503TPB-*	AWG #30-#34	0.75mm(MAX.)	Phosphor bronze	See note	15,000 pcs

Note:

For this product in a different specification please contact TYU for more information

TU0503 SERIES

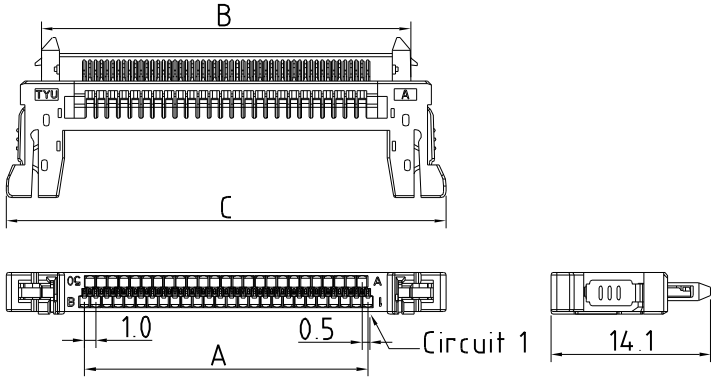
0.50mm Pitch Wire To Board Connector

Housing

Unit : mm

Features

Available Number of Circuits : 21,31,41,51
Material: High Temperature Thermoplastic 94V-0
Shell: 0.2mm(.008") Stainless steel
Lock Spring: 0.3mm(.012")Stainless steel
Use with : TU0503 Crimp Terminal (A-Type And B-Type)
Mates with : TU0503 Series Wafer



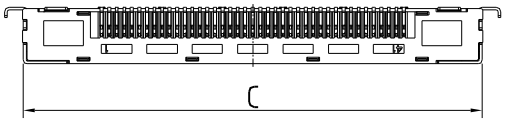
Dimension and Order Information

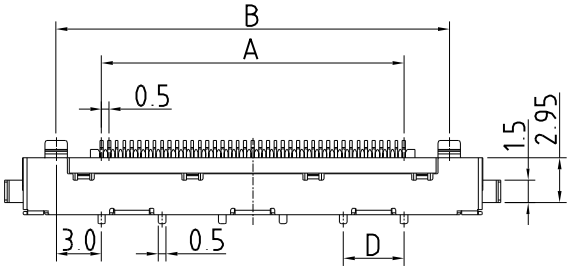
Circuits	Part No.	DIM.(mm)		
		A	B	C
21	TU0503HNO-21-RE-*	10.00	17.60	23.80
31	TU0503HNO-31-RE-*	15.00	22.60	28.80
41	TU0503HNO-41-RE-*	20.00	27.60	33.80
51	TU0503HNO-51-RE-*	25.00	32.60	38.80

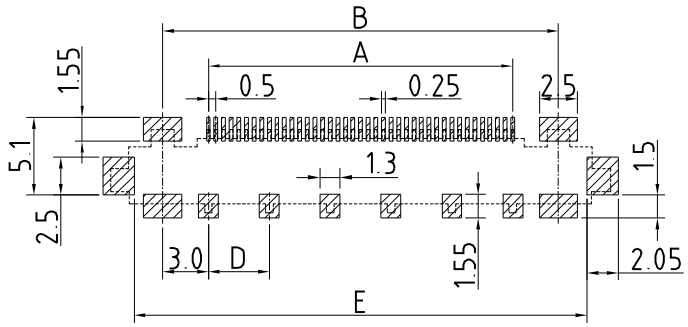
Wafer

Features

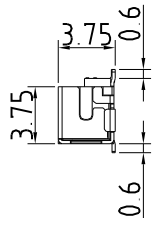
Available Number of Circuits : 21,31,41,51
Material: High Temperature Thermoplastic 94V-0
Contact: 0.2mm(.008") Copper Alloy ,Gold-flash
Shell: 0.2mm(.008") Stainless steel, Tin-plated
Mates with : TU0503 Series Housing







P.C.B LAYOUT

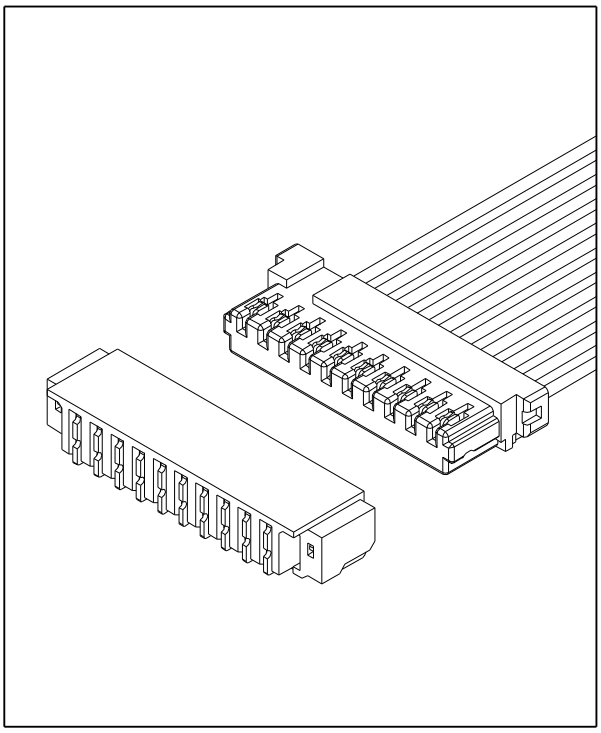


Dimension and Order Information

Circuits	Part No.	DIM.(mm)				
		A	B	C	D	E
21	TU0503WNR-21S-RE-*	10.00	14.00	20.35	2.00	19.75
31	TU0503WNR-31S-RE-*	15.00	19.00	25.35	3.00	24.75
41	TU0503WNR-41S-RE-*	20.00	26.00	30.35	4.00	29.75
51	TU0503WNR-51S-RE-*	25.00	31.00	35.35	5.00	34.75

TF0605 SERIES

0.60mm Pitch Disconnectable Insulation Displacement Connector

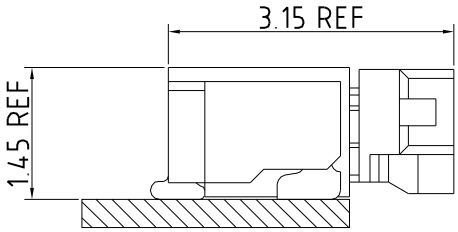


Specification

Circuits	02 - 22
Pitch	0.60mm
Current Rating	0.2A AC/DC
Voltage Rating	30V AC/DC
Contact Resistance	30mΩ MAX.
Withstand Voltage	200V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #34

Assembly Layout

Right Angle Type



TF0605 * - NP * - *
① ② ③ ④ ⑤

① Part No. TF0605	④ Mount Type S : SMT-Type Wafer	
② Connection Type: HNO : Terminal Socket WNR : Right Angle Wafer	⑤ Finish Blank : As Specified GO : Gold-flash	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TF0605 SERIES

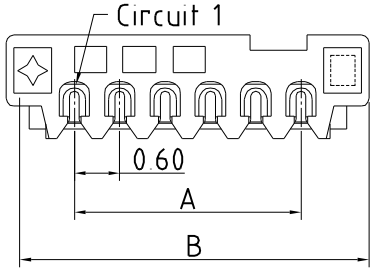
0.60mm Pitch Disconnectable Insulation Displacement Connector

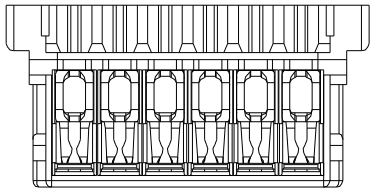
Unit : mm

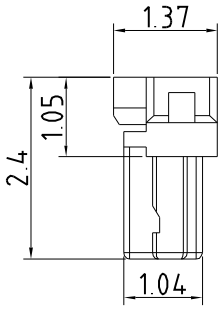
Housing

Features

Available Number of Circuits : 02 - 22
Material : High Temperature Thermoplastic UL94V-0
Contact: 0.08mm(.003") Copper Alloy, Tin-plated or Gold-flash
Use with : TF0605 Crimp Terminal(AWG#34)
Mates with : TF0605 Series Wafer







Dimension and Order Information

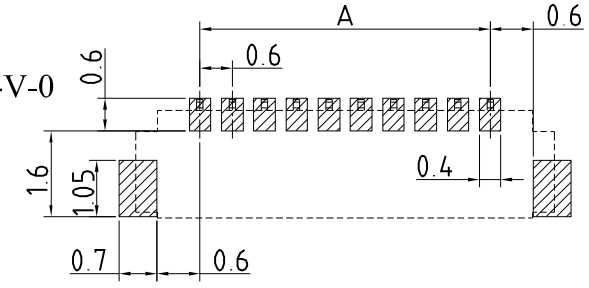
Circuits	Part No.	DIM.(mm)	
		A	B
2	TF0605HNO-02-*-*	0.60	2.40
3	TF0605HNO-03-*-*	1.20	3.00
4	TF0605HNO-04-*-*	1.80	3.60
5	TF0605HNO-05-*-*	2.40	4.20
6	TF0605HNO-06-*-*	3.00	4.80
7	TF0605HNO-07-*-*	3.60	5.40
8	TF0605HNO-08-*-*	4.20	6.00
9	TF0605HNO-09-*-*	4.80	6.60
10	TF0605HNO-10-*-*	5.40	7.20
11	TF0605HNO-11-*-*	6.00	7.80
12	TF0605HNO-12-*-*	6.60	8.40
13	TF0605HNO-13-*-*	7.20	9.00
14	TF0605HNO-14-*-*	7.80	9.60
15	TF0605HNO-15-*-*	8.40	10.20
↓	↓	↓	↓
20	TF0605HNO-20-*-*	11.40	13.20
22	TF0605HNO-22-*-*	12.60	14.40

Wafer

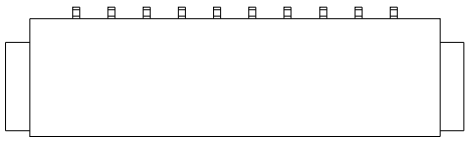
Right Angle SMT Type

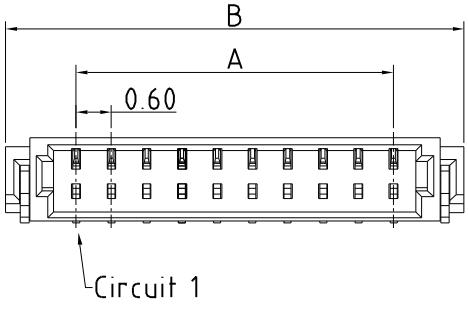
Features

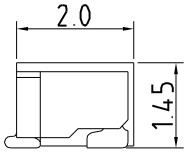
Available Number of Circuits : 02 -22
Material : High Temperature Thermoplastic UL 94V-0
Contact : 0.12mm(.005") Copper Alloy, Matte-Tin or Gold-flash
Mates with : TF0605 Series Housing



P.C.B LAYOUT





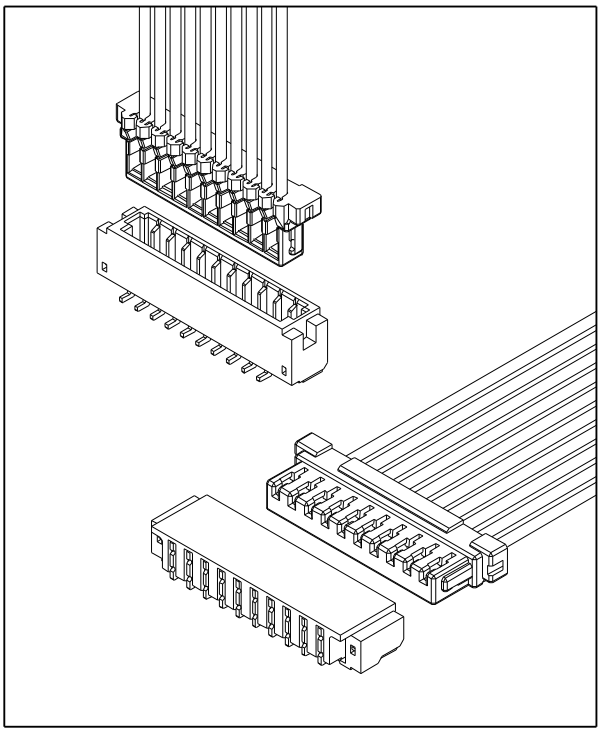


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TF0605WNR-02S-*-*	0.60	3.00
3	TF0605WNR-03S-*-*	1.20	3.60
4	TF0605WNR-04S-*-*	1.80	4.20
5	TF0605WNR-05S-*-*	2.40	4.80
6	TF0605WNR-06S-*-*	3.00	5.40
8	TF0605WNR-08S-*-*	4.20	6.60
9	TF0605WNR-09S-*-*	4.80	7.20
10	TF0605WNR-10S-*-*	5.40	7.80
12	TF0605WNR-12S-*-*	6.60	9.00
14	TF0605WNR-14S-*-*	7.80	10.20
15	TF0605WNR-15S-*-*	8.40	10.80
16	TF0605WNR-16S-*-*	9.00	11.40
17	TF0605WNR-17S-*-*	9.60	12.00
20	TF0605WNR-20S-*-*	11.40	13.80
22	TF0605WNR-22S-*-*	12.60	15.00

TF0801 SERIES

0.80mm Pitch Disconnectable Insulation Displacement Connector

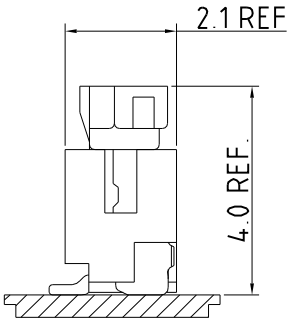


Specification

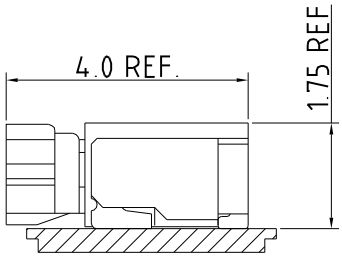
Circuits	02 - 24
Pitch	0.80mm
Current Rating	0.5A AC/DC (AWG#32,#34) 0.2A AC/DC (AWG#36)
Voltage Rating	30V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	200V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #32 - #36

Assembly Layout

Vertical Type



Right Angle Type



TF0801 * - NP * - * - * - *
① ② ③ ④ ⑤ ⑥ ⑦

① Part No. TF0801	④ Mount Type S : SMT-Type Wafer A : None Ear	⑥ Finish Blank : As Specified GO : Gold-flash
② Connection Type: HNO : Terminal Socket WNV : Straight Wafer WNR : Right Angle Wafer	⑤ Wire Range 32:AWG#32 ~ #34 36:AWG#36	⑦ Product Color Blank : As Specified C* : Color of number
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TF0801 SERIES

0.80mm Pitch Disconnectable Insulation Displacement Connector

Unit : mm

Housing

TF0801HNO-NP- * - *

- Blank:As Specifed GO: Gold-flash
- Wire Range: 32:AWG#32, #34 36:AWG#36

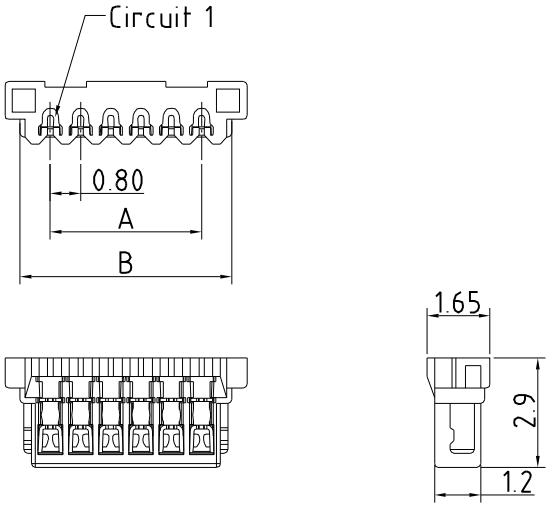
Features

Available Number of Circuits : 02 - 24

Material : High Temperature Thermoplastic 94V-0 or Regular Thermoplastic 94V-0

Contact: 0.10mm(.004") Copper Alloy, Tin-plated

Mates with : TF0801 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm) A	DIM.(mm) B
2	TF0801HNO-02-*-*	0.80	3.20
3	TF0801HNO-03-*-*	1.60	4.00
4	TF0801HNO-04-*-*	2.40	4.80
5	TF0801HNO-05-*-*	3.20	5.60
6	TF0801HNO-06-*-*	4.00	6.40
7	TF0801HNO-07-*-*	4.80	7.20
8	TF0801HNO-08-*-*	5.60	8.00
9	TF0801HNO-09-*-*	6.40	8.80
10	TF0801HNO-10-*-*	7.20	9.60
11	TF0801HNO-11-*-*	8.00	10.40
12	TF0801HNO-12-*-*	8.80	11.20
13	TF0801HNO-13-*-*	9.60	12.00
14	TF0801HNO-14-*-*	10.40	12.80
15	TF0801HNO-15-*-*	11.20	13.60
16	TF0801HNO-16-*-*	12.00	14.40
17	TF0801HNO-17-*-*	12.80	15.20
18	TF0801HNO-18-*-*	13.60	16.00
19	TF0801HNO-19-*-*	14.40	16.80
20	TF0801HNO-20-*-*	15.20	17.60
21	TF0801HNO-21-*-*	16.00	18.40
22	TF0801HNO-22-*-*	16.80	19.20
23	TF0801HNO-23-*-*	17.60	20.00
24	TF0801HNO-24-*-*	18.40	20.80

Housing

TF0801HNO-NPA- * - *

- Blank:As Specifed GO: Gold-flash
- Wire Range: 32:AWG#32, #34 36:AWG#36
- None Ear

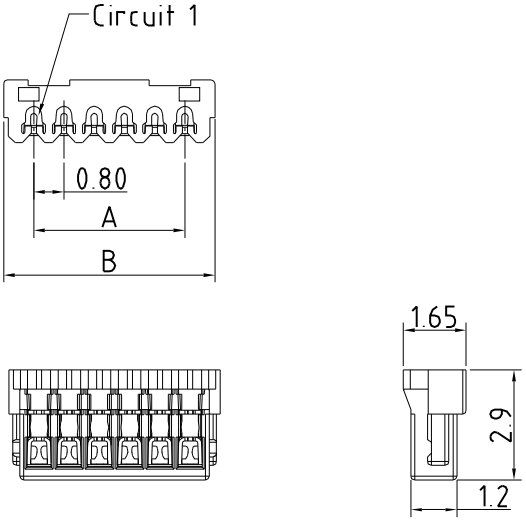
Features

Available Number of Circuits : 02 - 24

Material : High Temperature Thermoplastic 94V-0 or Regular Thermoplastic 94V-0

Contact: 0.10mm(.004") Copper Alloy, Tin-plated

Mates with : TF0801 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm) A	DIM.(mm) B
2	TF0801HNO-02A-*-*	0.80	2.40
3	TF0801HNO-03A-*-*	1.60	3.20
4	TF0801HNO-04A-*-*	2.40	4.00
5	TF0801HNO-05A-*-*	3.20	4.80
6	TF0801HNO-06A-*-*	4.00	5.60
7	TF0801HNO-07A-*-*	4.80	7.20
8	TF0801HNO-08A-*-*	5.60	6.40
9	TF0801HNO-09A-*-*	5.60	6.40
10	TF0801HNO-10A-*-*	7.20	8.00
11	TF0801HNO-11A-*-*	8.00	8.80
12	TF0801HNO-12A-*-*	8.80	9.60
13	TF0801HNO-13A-*-*	9.60	10.40
14	TF0801HNO-14A-*-*	10.40	11.20
15	TF0801HNO-15A-*-*	11.20	12.80
16	TF0801HNO-16A-*-*	12.00	13.60
17	TF0801HNO-17A-*-*	12.80	14.40
18	TF0801HNO-18A-*-*	13.60	15.20
19	TF0801HNO-19A-*-*	14.40	16.00
20	TF0801HNO-20A-*-*	15.20	16.80
22	TF0801HNO-22A-*-*	16.80	17.60
23	TF0801HNO-23A-*-*	17.60	18.40
24	TF0801HNO-24A-*-*	18.40	19.20

TF0801 SERIES

0.80mm Pitch Disconnectable Insulation Displacement Connector

Unit : mm

Wafer Right Angle SMT TYPE

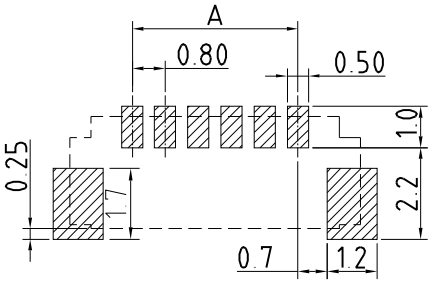
Features

Available Number of Circuits : 02-24

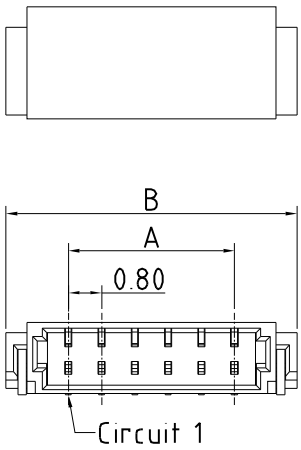
Material : High Temperature Thermoplastic 94V-0

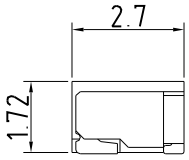
Contact : 0.15mm(.006") Flat Pin,Copper Alloy, Tin-plated

Mates with : TF0801 Series Housing



P.C.B LAYOUT





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TF0801WNR-02S-*-*	0.80	3.80
3	TF0801WNR-03S-*-*	1.60	4.60
4	TF0801WNR-04S-*-*	2.40	5.40
5	TF0801WNR-05S-*-*	3.20	6.20
6	TF0801WNR-06S-*-*	4.00	7.00
7	TF0801WNR-07S-*-*	4.80	7.80
8	TF0801WNR-08S-*-*	5.60	8.60
9	TF0801WNR-09S-*-*	6.40	9.40
10	TF0801WNR-10S-*-*	7.20	10.20
11	TF0801WNR-11S-*-*	8.00	11.00
12	TF0801WNR-12S-*-*	8.80	11.80
14	TF0801WNR-14S-*-*	10.40	13.40
15	TF0801WNR-15S-*-*	11.20	14.20
16	TF0801WNR-16S-*-*	12.00	15.00
17	TF0801WNR-17S-*-*	12.80	15.80
20	TF0801WNR-20S-*-*	15.20	18.20
22	TF0801WNR-22S-*-*	16.80	19.80
24	TF0801WNR-24S-*-*	18.40	21.40

Wafer Vertical SMT Type

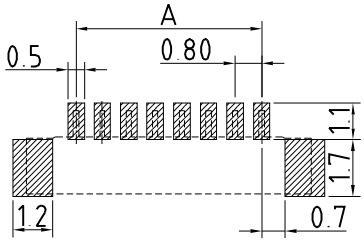
Features

Available Number of Circuits : 02-20

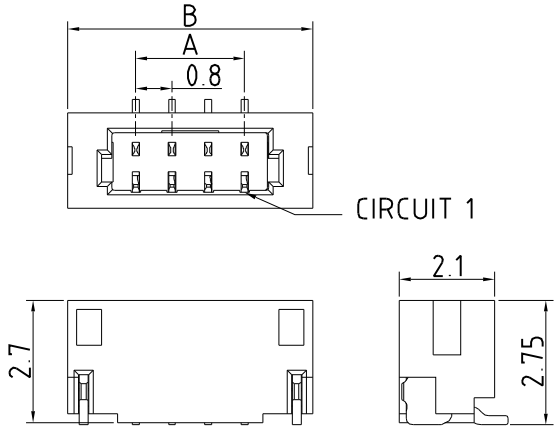
Material : High Temperature Thermoplastic 94V-0

Contact : 0.15mm(.006") Copper Alloy, Tin-plated

Mates with : TF0801 Series Housing



P.C.B LAYOUT

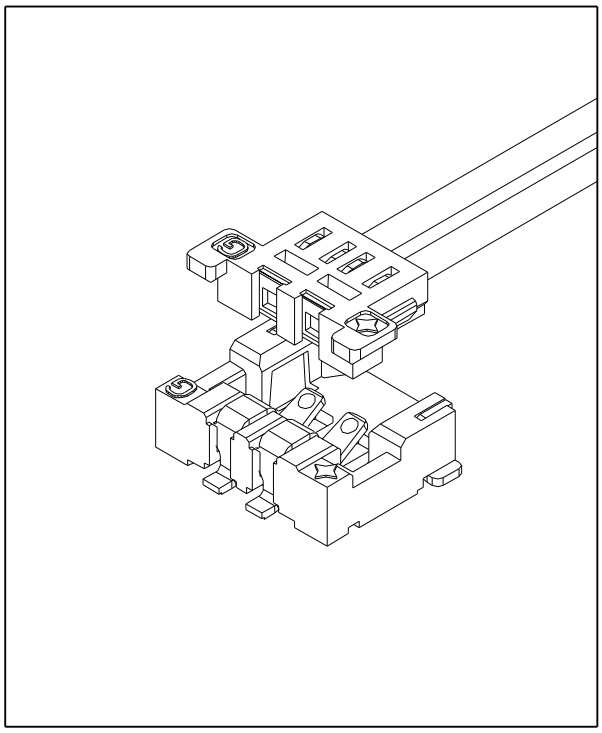


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TF0801WNV-02S-*-*	0.80	3.80
3	TF0801WNV-03S-*-*	1.60	4.60
4	TF0801WNV-04S-*-*	2.40	5.40
5	TF0801WNV-05S-*-*	3.20	6.20
6	TF0801WNV-06S-*-*	4.00	7.00
7	TF0801WNV-07S-*-*	4.80	7.80
8	TF0801WNV-08S-*-*	5.60	8.60
9	TF0801WNV-09S-*-*	6.40	9.40
10	TF0801WNV-10S-*-*	7.20	10.20
11	TF0801WNV-11S-*-*	8.00	11.00
12	TF0801WNV-12S-*-*	8.80	11.80
13	TF0801WNV-13S-*-*	9.60	12.60
14	TF0801WNV-14S-*-*	10.40	13.40
15	TF0801WNV-15S-*-*	11.20	14.20
16	TF0801WNV-16S-*-*	12.00	15.00
17	TF0801WNV-17S-*-*	12.80	15.80
18	TF0801WNV-18S-*-*	13.60	16.60
19	TF0801WNV-19S-*-*	14.40	17.40
20	TF0801WNV-20S-*-*	15.20	18.20

TF0810 SERIES

0.80mm Pitch Disconnectable Insulation Displacement Connector



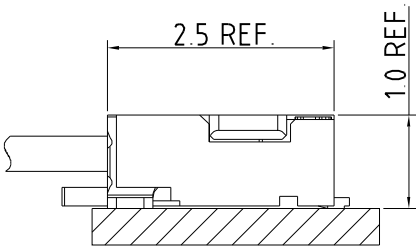
Specification

Circuits	02
Pitch	0.80mm
Current Rating	1.0A AC/DC
Voltage Rating	30V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	250V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #32

TF0810

Assembly Layout

Vertical Type



TF0810 WNV - NP * - * 00 ① ② ③ ④ ⑤		TF0810 HNO- NP - 32 ① ② ③ ⑥
① Part No. TF0810	④ Mount Type 50 : SMT-Type Wafer	⑥ Wire Range 32 : AWG #32
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer	⑤ Finish 1 : Gold 3u" plated	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TF0810 SERIES

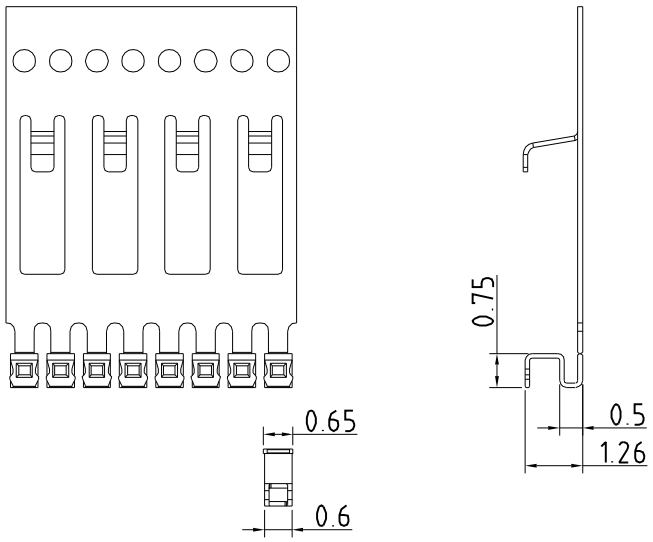
0.80mm Pitch Disconnectable Insulation Displacement Connector

Unit : mm

Terminal

Features

Use with: TF0810 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TF0810TPO-*-32	AWG #32	ϕ 0.40mm(Max.)	Phosphor bronze	See note	50,000 pcs

Note:

For this product in a different specification please contact TYU for more information

Housing

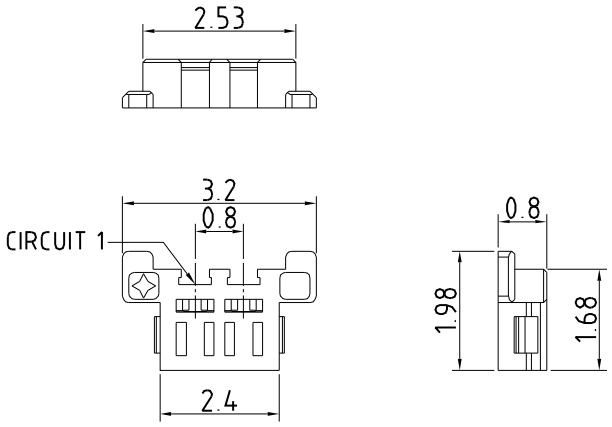
Features

Available Number of Circuits : 02

Material : Regular Thermoplastic 94V-0

Mates with : TF0810 Series Wafer

Part No. : TF0810 HNO-02-32



TF0810 SERIES

0.80mm Pitch Disconnectable Insulation Displacement Connector

Unit : mm

Wafer

Vertical SMT Type

Features

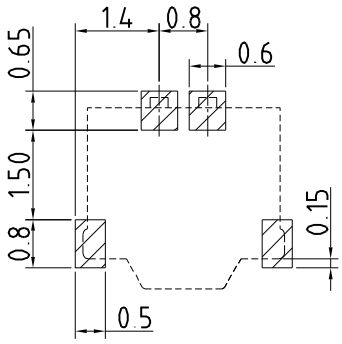
Available Number of Circuits : 02

Material : High Temperature Thermoplastic 94V-0

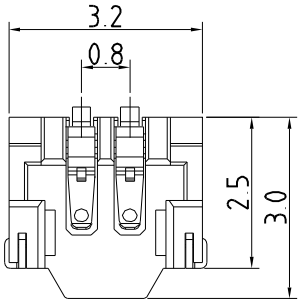
Contact : 0.12mm(.005") Copper Alloy, Gold plated

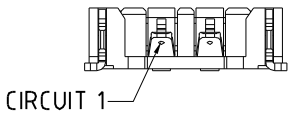
Mates with : TF0810 Series Housing

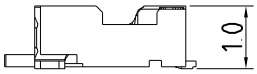
Part No: TF0810WNV-0250-100



P.C.B LAYOUT



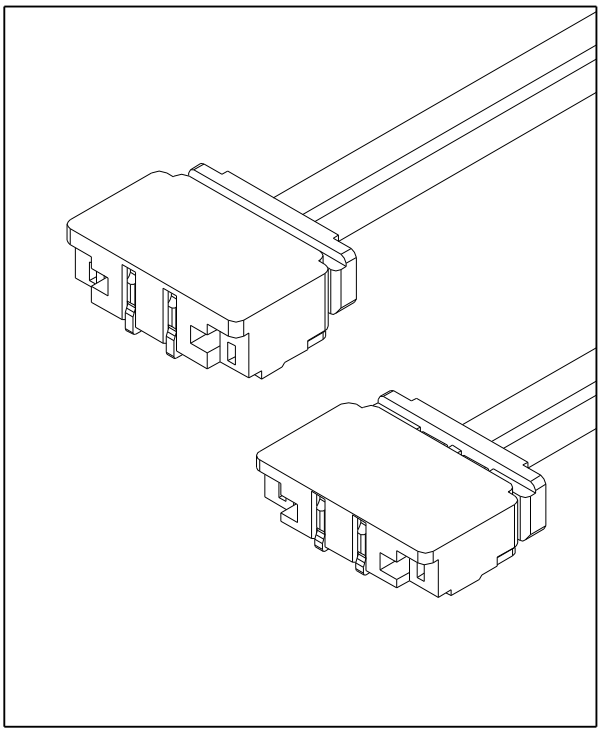




TF0810

TF0812 SERIES

0.80mm Pitch Disconnectable Insulation Displacement Connector



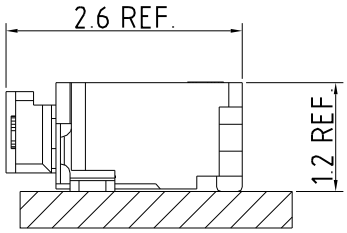
Specification

Circuits	02 - 10
Pitch	0.80mm
Current Rating	1.0A AC/DC
Voltage Rating	30V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	250V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #32

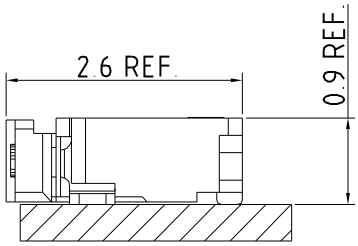
Assembly Layout

Right Angle Type

Height: 1.2mm



Height: 0.9mm



TF0812 WNR - NP * - * 00 (① ② ③ ④ ⑤)

TF0812 HNO- NP - 32 (① ② ③ ⑥)

① Part No. TF0812	④ Mount Type 50 : Height: 1.2mm SMT-Type Wafer 51 : Height: 0.9mm SMT-Type Wafer	⑥ Wire Range 32 : AWG #32
② Connection Type: HNO : Terminal Socket WNR : Right Angle Wafer	⑤ Finish 0 : Gold flash 1 : Gold 3u" plated	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TF0812 SERIES

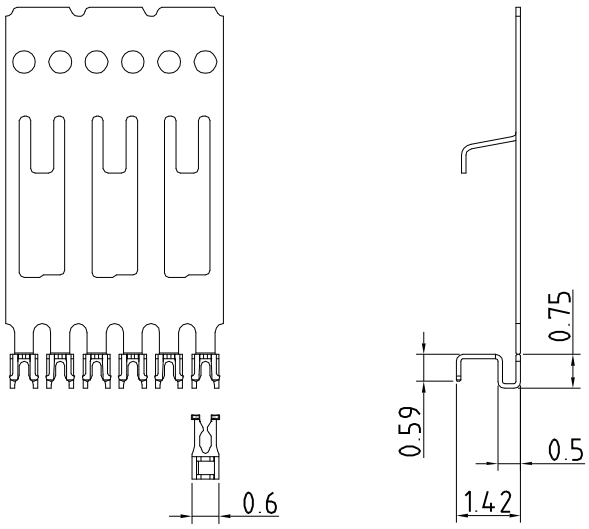
0.80mm Pitch Disconnectable Insulation Displacement Connector

Terminal

Unit : mm

Features

Use with: TF0812 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish
TF0812TPO-*-32	AWG #32	ϕ 0.40mm(Max.)	Phosphor bronze	See note

Note:

For this product in a different specification please contact TYU for more information

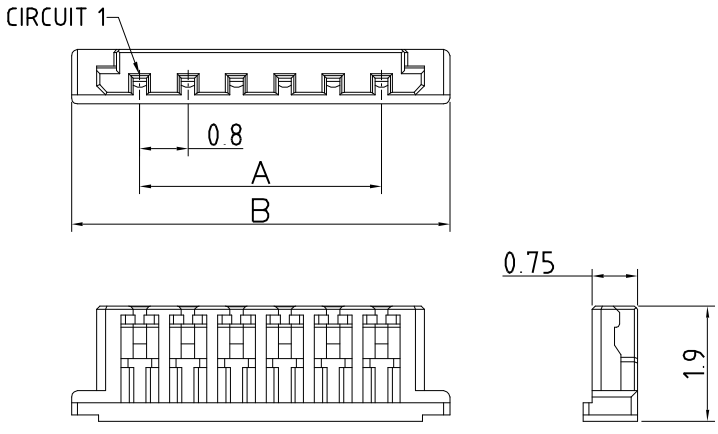
Housing

Features

Available Number of Circuits : 02 - 10

Material : Regular Thermoplastic 94V-0

Mates with : TF0812 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TF0812HNO-02-32	0.80	3.05
3	TF0812HNO-03-32	1.60	3.85
4	TF0812HNO-04-32	2.40	4.65
5	TF0812HNO-05-32	3.20	5.45
6	TF0812HNO-06-32	4.00	6.25
7	TF0812HNO-07-32	4.80	7.05
8	TF0812HNO-08-32	5.60	7.85
9	TF0812HNO-09-32	6.40	8.65
10	TF0812HNO-10-32	7.20	9.45

TF0812 SERIES

0.80mm Pitch Disconnectable Insulation Displacement Connector

Unit : mm

Wafer

Right Angle SMT Type

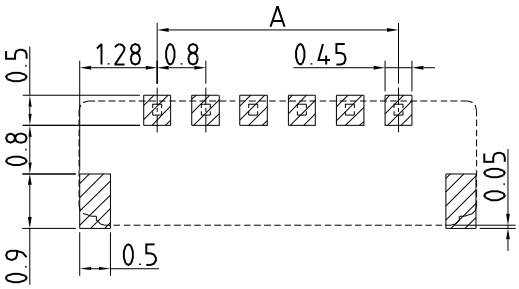
Features

Available Number of Circuits : 02-10

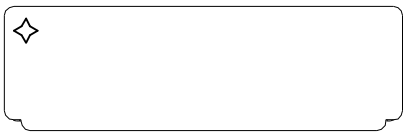
Material : High Temperature Thermoplastic 94V-0

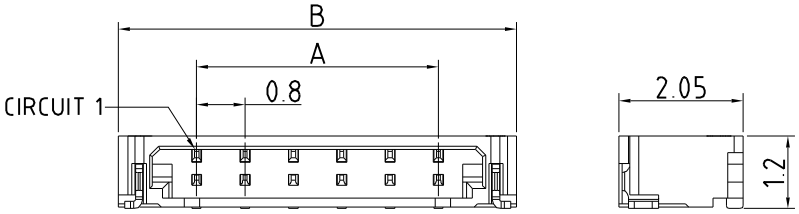
Contact : 0.15mm(.006") Copper Alloy , Gold plated

Mates with : TF0812 Series Housing



P.C.B LAYOUT





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TF0812WNR-0250	0.80	3.40
3	TF0812WNR-0350	1.60	4.20
4	TF0812WNR-0450	2.40	5.00
5	TF0812WNR-0550	3.20	5.80
6	TF0812WNR-0650	4.00	6.60
7	TF0812WNR-0750	4.80	7.40
8	TF0812WNR-0850	5.60	8.20
9	TF0812WNR-0950	6.40	9.00
10	TF0812WNR-1050	7.20	9.80

Wafer

Right Angle SMT Type

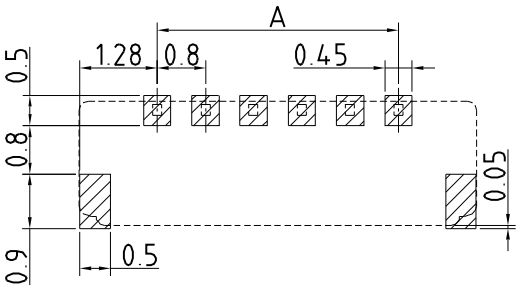
Features

Available Number of Circuits : 02-10

Material : High Temperature Thermoplastic 94V-0

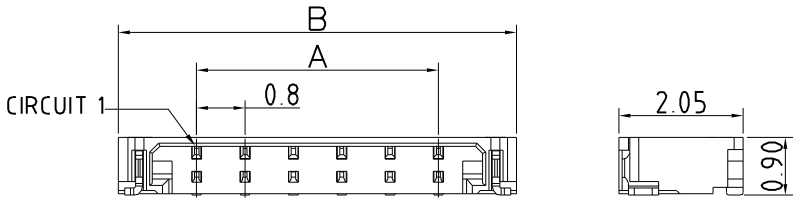
Contact : 0.15mm(.006") Copper Alloy , Gold plated

Mates with : TF0812 Series Housing



P.C.B LAYOUT



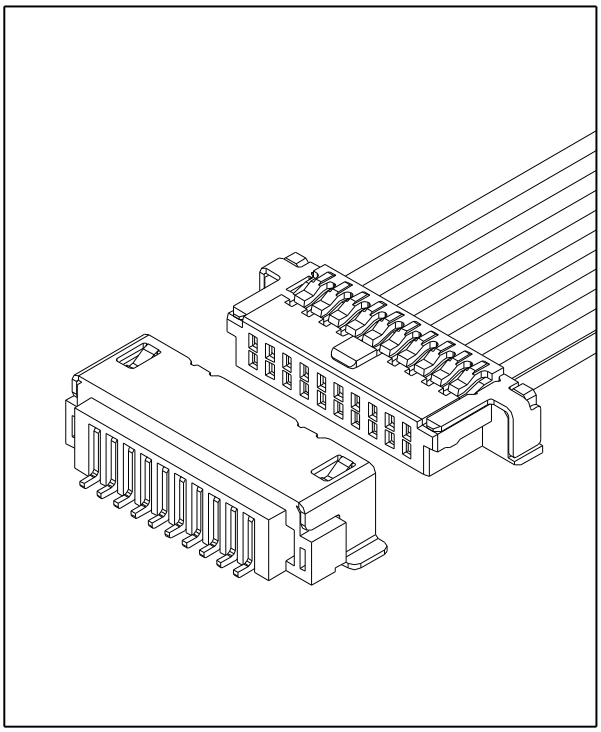


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TF0812WNR-0251	0.80	3.40
3	TF0812WNR-0351	1.60	4.20
4	TF0812WNR-0451	2.40	5.00
5	TF0812WNR-0551	3.20	5.80
6	TF0812WNR-0651	4.00	6.60
7	TF0812WNR-0751	4.80	7.40
8	TF0812WNR-0851	5.60	8.20
9	TF0812WNR-0951	6.40	9.00
10	TF0812WNR-1051	7.20	9.80

TU0803 SERIES

0.80mm Pitch Wire To Board Connector

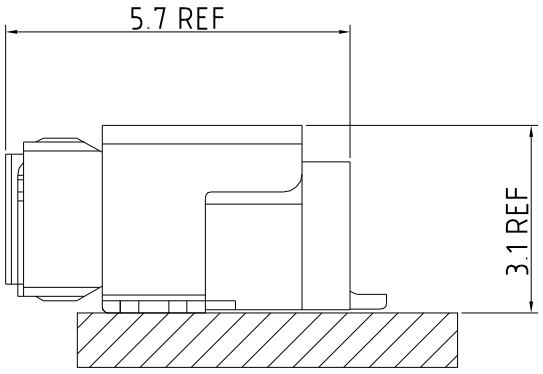


Specification

Circuits	2x05 - 2x20
Pitch	0.80mm
Current Rating	0.5A AC/DC
Voltage Rating	50V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #32 - #36

Assembly Layout

Right Angle Type



TU0803 * - NP * - *
① ② ③ ④ ⑤

① Part No. TU0803	④ Mount Type S : SMT-Type Wafer	
② Connection Type: HNO : Terminal Socket WNR : Right Angle Wafer	⑤ Contact Plating Code Blank : As Specified GO : Gold-flash G*: *u" Gold plated	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU0803 SERIES

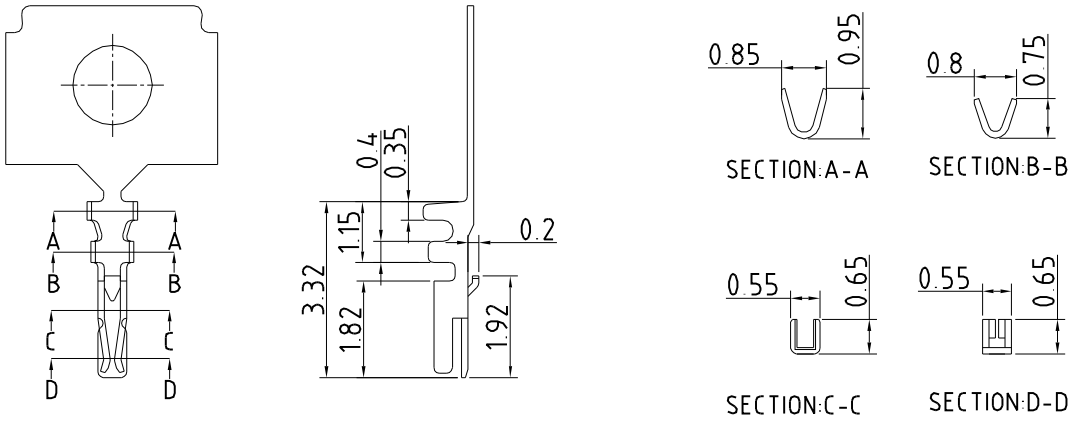
0.80mm Pitch Wire To Board Connector

Terminal

Unit : mm

Features

Use with: TU0803 Series Housing



Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU0802TPO-*	AWG #32-#36	0.54mm(MAX.)	Phosphor bronze	See note	20,000pcs

Note:

For this product in a different specification please contact TYU for more information

TU0803 SERIES

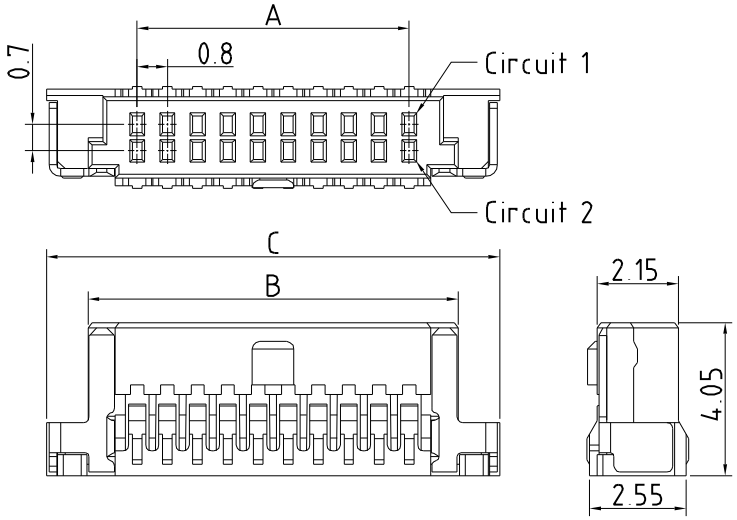
0.80mm Pitch Wire To Board Connector

Unit : mm

Housing With Shield

Features

Available Number of Circuits : 2x05,10,15,20
Material : High Temperature Thermoplastic 94V-0
Shield :0.20mm(.008") Copper Alloy, Tin-plated
Use with: TU0802 Crimp Terminal
Mates with : TU0803 Series Wafer



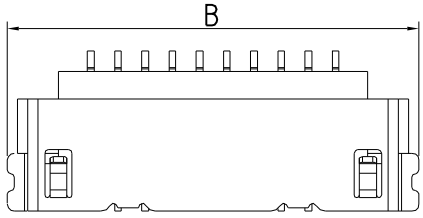
Dimension and Order Information

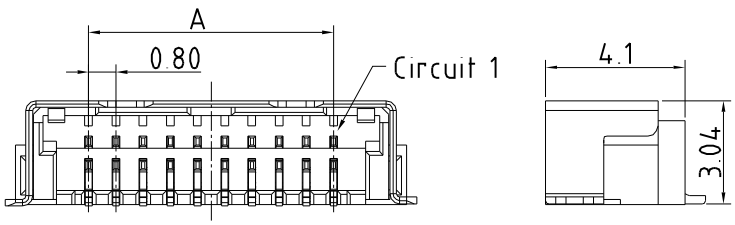
Circuits	Part No.	DIM.(mm)		
		A	B	C
10	TU0803HNO-2x05	3.20	5.80	8.00
20	TU0803HNO-2x10	7.20	9.80	12.00
30	TU0803HNO-2x15	11.20	13.80	16.00
40	TU0803HNO-2x20	15.20	17.80	20.00

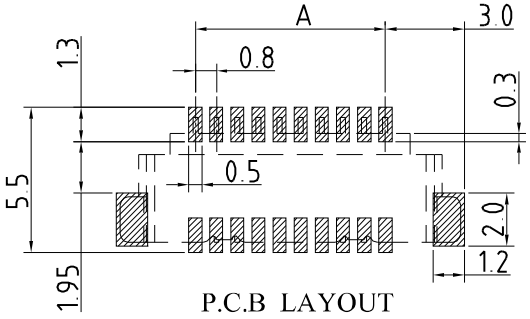
Wafer With Shield Right Angle SMT Type

Features

Available Number of Circuits : 2x05,10,15,20
Material : High Temperature Thermoplastic 94V-0
Shield :0.20mm(.008") Copper Alloy, Tin-plated
Contact : 0.20mm(.008") Copper Alloy, Tin-plated
Mates with : TU0803 Series Housing







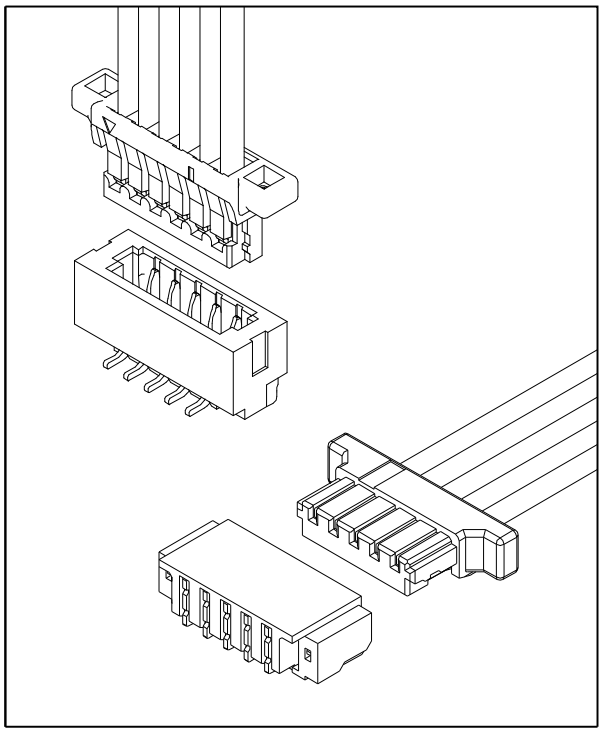
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
10	TU0803WNR-2x05S	3.20	8.10
20	TU0803WNR-2x10S	7.20	12.10
30	TU0803WNR-2x15S	11.20	16.10
40	TU0803WNR-2x20S	15.20	20.10

TU0805 SERIES

0.80mm Pitch Wire To Board Connector

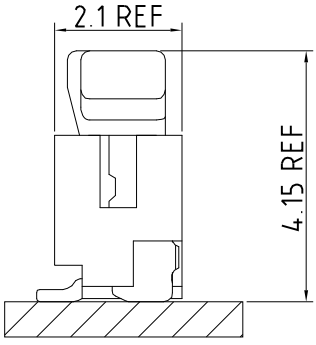


Specification

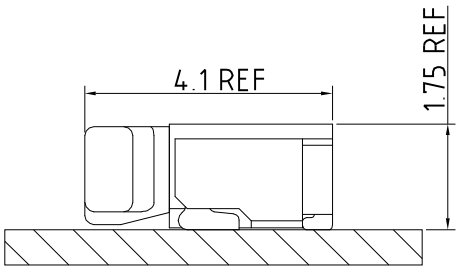
Circuits	02 - 20
Pitch	0.80mm
Current Rating	1A AC/DC (AWG#28)
Voltage Rating	30V AC/DC
Contact Resistance	30mΩ MAX.
Withstand Voltage	200V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #28 - #32

Assembly Layout

Vertical Type
TU0805HNO VS TF0801WNV



Right Angle Type
TU0805HNO VS TF0801WNR



TU0805 * - NP
① ② ③

① Part No. TU0805		
② Connection Type: HNO : Terminal Socket		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU0805 SERIES

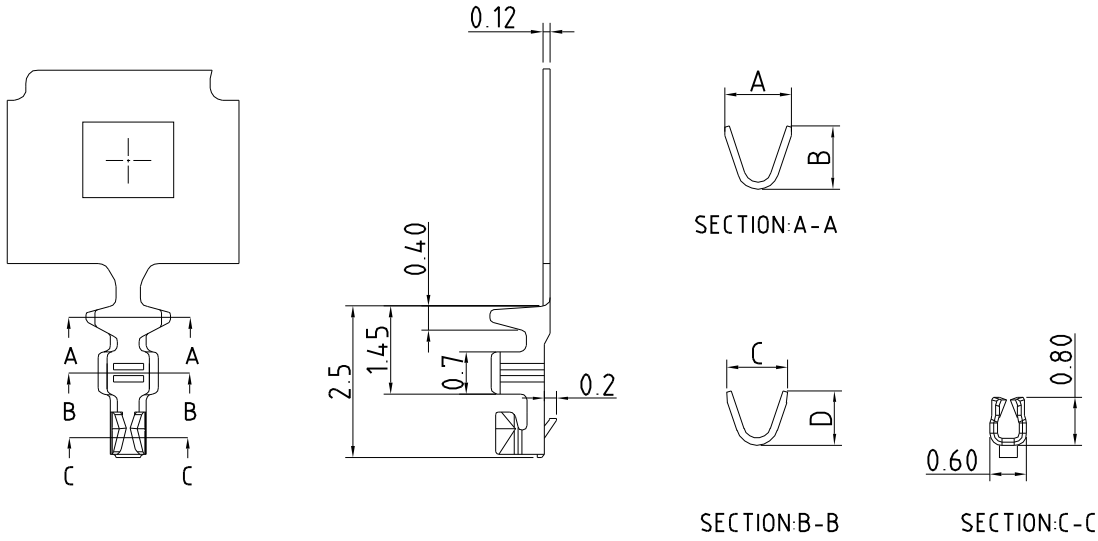
0.80mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU0805 Series Housing



Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TU0805TPO-*	AWG #28-#30	0.60mm(MAX.)	1.1	1.05	1.0	0.9	Phosphor bronze	See note	20,000pcs
TU0805TPL-*	AWG #32	0.40mm(MAX.)	1.0	0.85	0.9	0.7			

Note:
For this product in a different specification please contact TYU for more information

Housing

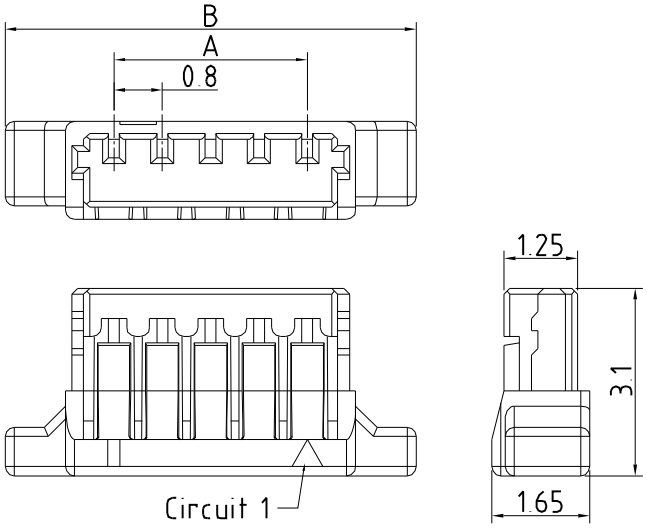
Features

Available Number of Circuits : 02 - 20

Material : High Temperature Thermoplastic

Use with : TU0805 Crimp Terminal

Mates with : TF0801 Series Wafer

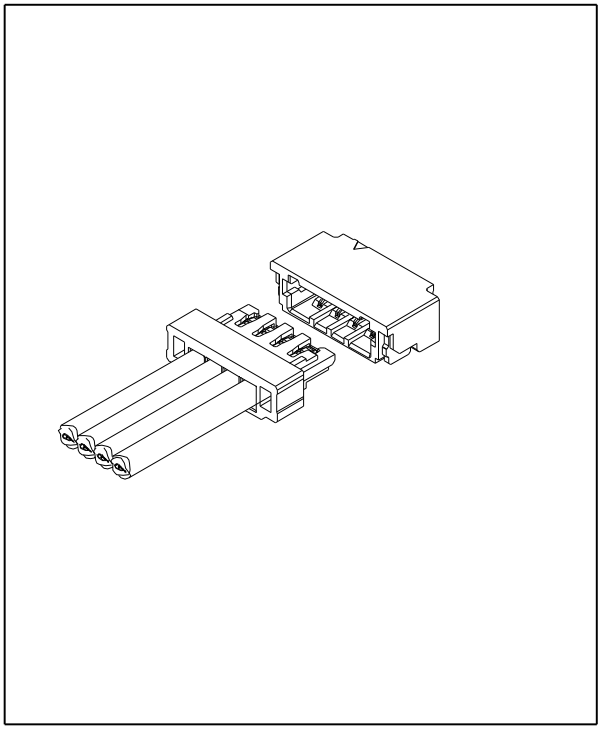


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU0805HNO-02	0.80	4.40
3	TU0805HNO-03	1.60	5.20
4	TU0805HNO-04	2.40	6.00
5	TU0805HNO-05	3.20	6.80
6	TU0805HNO-06	4.00	7.60
7	TU0805HNO-07	4.80	8.40
8	TU0805HNO-08	5.60	9.20
9	TU0805HNO-09	6.40	10.00
10	TU0805HNO-10	7.20	10.80
11	TU0805HNO-11	8.00	11.60
12	TU0805HNO-12	8.80	12.40
13	TU0805HNO-13	9.60	13.20
14	TU0805HNO-14	10.40	14.00
15	TU0805HNO-15	11.20	14.80
16	TU0805HNO-16	12.00	15.60
17	TU0805HNO-17	12.80	16.40
18	TU0805HNO-18	13.60	17.20
19	TU0805HNO-19	14.40	18.00
20	TU0805HNO-20	15.20	18.80

TU0852 SERIES

0.80mm Pitch Wire To Board Connector

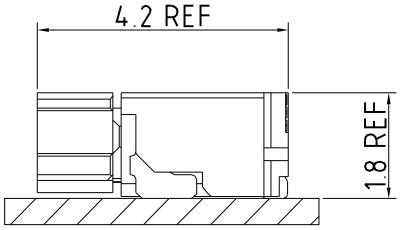


Specification

Circuits	02 - 20
Pitch	0.80mm
Current Rating	2.5A AC/DC (AWG#28)
	2.0A AC/DC (AWG#30)
	1.5A AC/DC (AWG#32)
Voltage Rating	100V AC/DC
Contact Resistance	10mΩ MAX.
Withstand Voltage	300V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-40°C - +85°C
Applicable Wire Range	AWG #28 - #32

Assembly Layout

Right Angle Type



TU0852 WGR - NP * 0 - * 0 *
① ② ③ ④ ⑤ ⑥

TU0852 HNO - NP *
① ② ③ ④

① Part No. TU0852	④ Mount Type(WGR) 5: SMT-Type Wafer without mylar	⑤ Contact Plating Code A: Matte-Tin over Nickel
② Connection Type: HNO : Terminal Socket WGR : High Current Right Angle Wafer	④ Product Color(HNO) Blank : As Specified C* : Color of number	
③ Number of Contacts: NP : Circuits		⑥ Product Color 1: Black

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU0852 SERIES

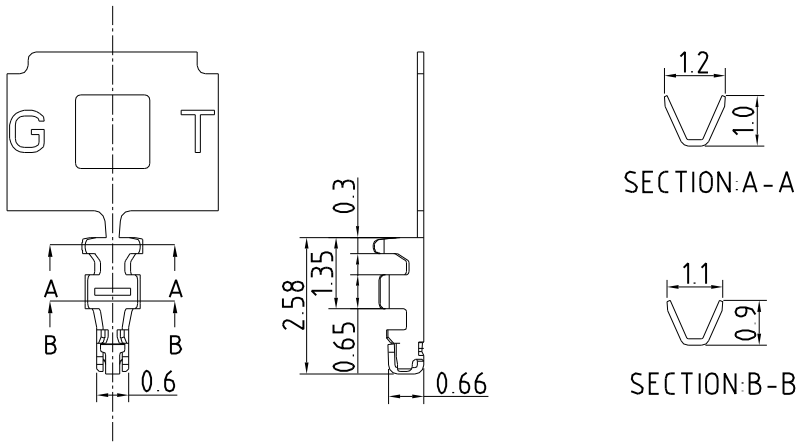
0.80mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU0852 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU0852TGO-*	AWG #28-#32	0.60mm(MAX.)	High current	See note	20,000pcs

Note:
For this product in a different specification please contact TYU for more information

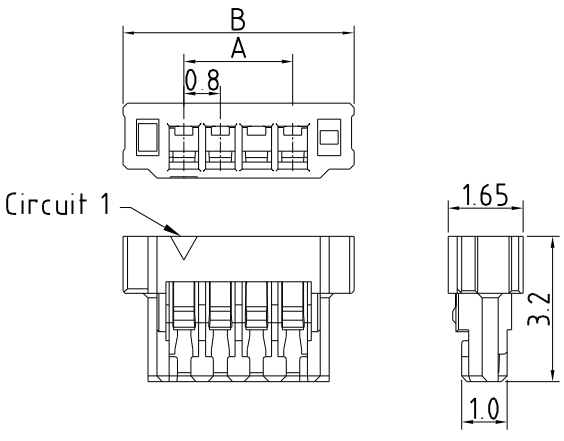
Housing

Features

Available Number of Circuits: 02 - 20

Material: Regular Thermoplastic 94V-0

Use with: TU0852 Crimp Terminal



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU0852HNO-02-*	0.80	3.50
3	TU0852HNO-03-*	1.60	4.30
4	TU0852HNO-04-*	2.40	5.10
5	TU0852HNO-05-*	3.20	5.90
6	TU0852HNO-06-*	4.00	6.70
7	TU0852HNO-07-*	4.80	7.50
8	TU0852HNO-08-*	5.60	8.30
9	TU0852HNO-09-*	6.40	9.10
10	TU0852HNO-10-*	7.20	9.90
11	TU0852HNO-11-*	8.00	10.70
12	TU0852HNO-12-*	8.80	11.50
13	TU0852HNO-13-*	9.60	12.30
14	TU0852HNO-14-*	10.40	13.10
15	TU0852HNO-15-*	11.20	13.90
16	TU0852HNO-16-*	12.00	14.70
17	TU0852HNO-17-*	12.80	15.50
18	TU0852HNO-18-*	13.60	16.30
19	TU0852HNO-19-*	14.40	17.10
20	TU0852HNO-20-*	15.20	20.00

TU0852 SERIES

0.80mm Pitch Wire To Board Connector

Unit : mm

Wafer

Right Angle

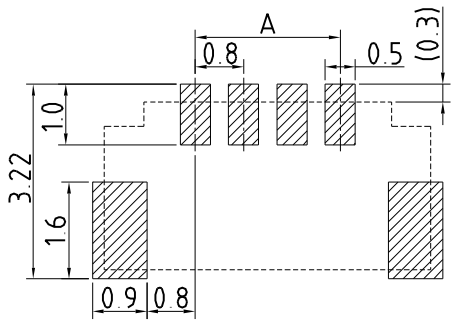
Features

Available Number of Circuits: 02 - 20

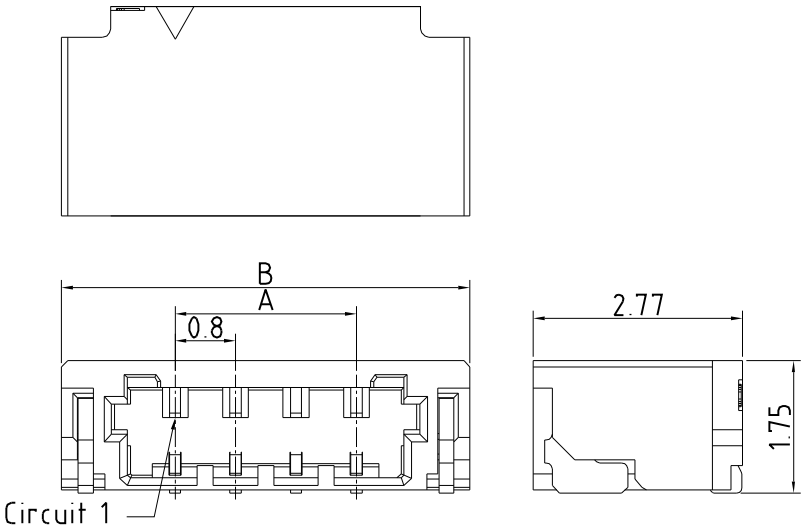
Material: High Temperature Thermoplastic 94V-0

Contact : 0.15mm(.006") High Current, Tin-plated

Mates with : TU0852 Series Housing



P.C.B LAYOUT

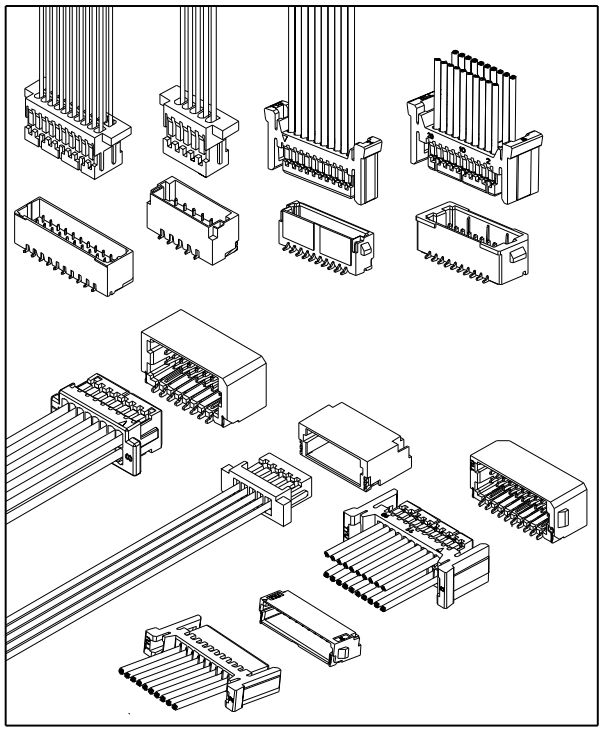


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU0852WGR-0250-*0*	0.80	3.80
3	TU0852WGR-0350-*0*	1.60	4.60
4	TU0852WGR-0450-*0*	2.40	5.40
5	TU0852WGR-0550-*0*	3.20	6.20
6	TU0852WGR-0650-*0*	4.00	7.00
7	TU0852WGR-0750-*0*	4.80	7.80
8	TU0852WGR-0850-*0*	5.60	8.60
9	TU0852WGR-0950-*0*	6.40	9.40
10	TU0852WGR-1050-*0*	7.20	10.20
11	TU0852WGR-1150-*0*	8.00	11.00
12	TU0852WGR-1250-*0*	8.80	11.80
13	TU0852WGR-1350-*0*	9.60	12.60
14	TU0852WGR-1450-*0*	10.40	13.40
15	TU0852WGR-1550-*0*	11.20	14.20
16	TU0852WGR-1650-*0*	12.00	15.00
17	TU0852WGR-1750-*0*	12.80	15.80
18	TU0852WGR-1850-*0*	13.60	16.60
19	TU0852WGR-1950-*0*	14.40	17.40
20	TU0852WGR-2050-*0*	15.20	18.20

TU1001 SERIES

1.00mm Pitch Wire To Board Connector

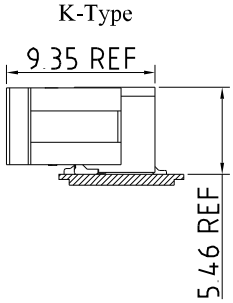


Specification

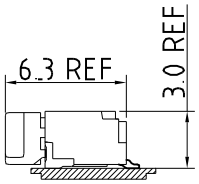
Circuits	02-24 , 2x03-2x25
Pitch	1.00mm
Current Rating	1A AC/DC
Voltage Rating	50V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #26 - #36

Assembly Layout

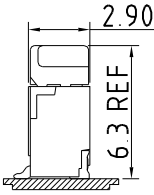
Right Angle Dual Row K-Type



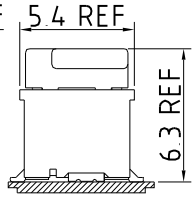
Right Angle Type



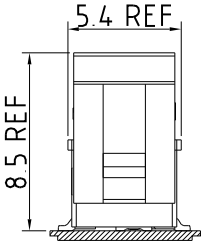
Vertical Type



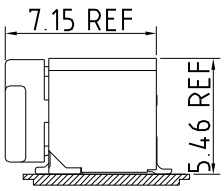
Vertical Dual Row Type



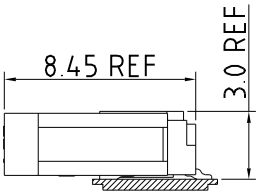
Vertical Dual Row K-Type



Right Angle Dual Row Type



Right Angle Single row K Type



TU1001 * - * x NP * - * - * - *
① ② ③ ④ ⑤ ⑥ ⑦

① Part No. TU1001	④ Mount Type S : SMT-Type Wafer SF : SMT-Type Wafer With Post SK : SMT With Lock Type Wafer SKF : SMT With Lock Type Wafer With Post K : Lock Type	⑤ Contact Plating Code Blank : As Specified GO : Gold-flash over Nickel G*: Gold *u" Over Nickel
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer		⑥ Material Code Blank : As Specified
③ Number of Contacts: 1xNP : Single row 2xNP : Dual row		⑦ Product Color Blank : As Specified C* : Color of number

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1001 SERIES

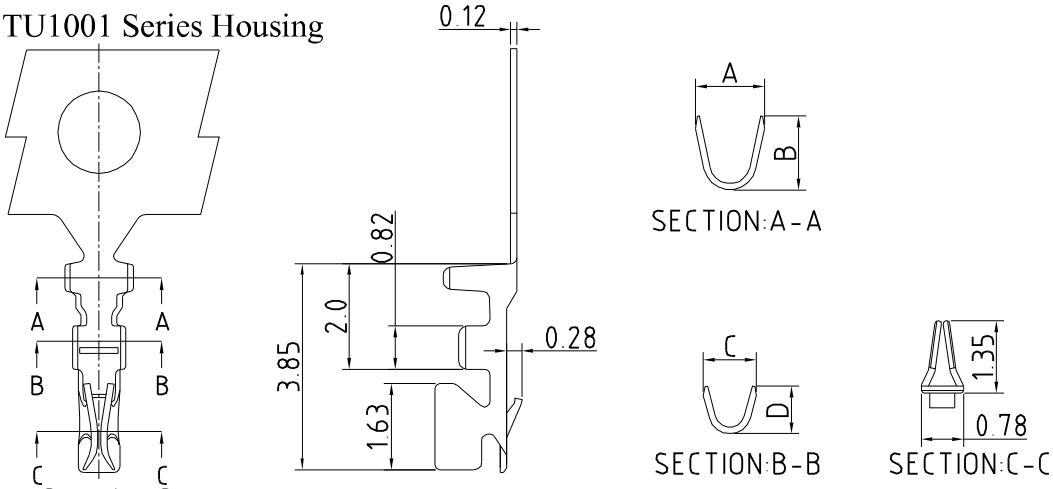
1.00mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU1001 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TU1001TPH-*	AWG #26-#28	0.90mm(MAX.)	1.4	1.7	1.1	1.1	Phosphor bronze	See note	15,000pcs
TU1001TPO-*	AWG #28-#32	0.80mm(MAX.)	1.3	1.4	1.0	0.9			
TU1001TPL-*	AWG #32-#34	0.40mm(MAX.)	1.1	1.0	1.0	0.9			
TU1001TPL-*-DL	AWG #36	0.30mm(MAX.)	1.05	1.15	0.85	0.65			

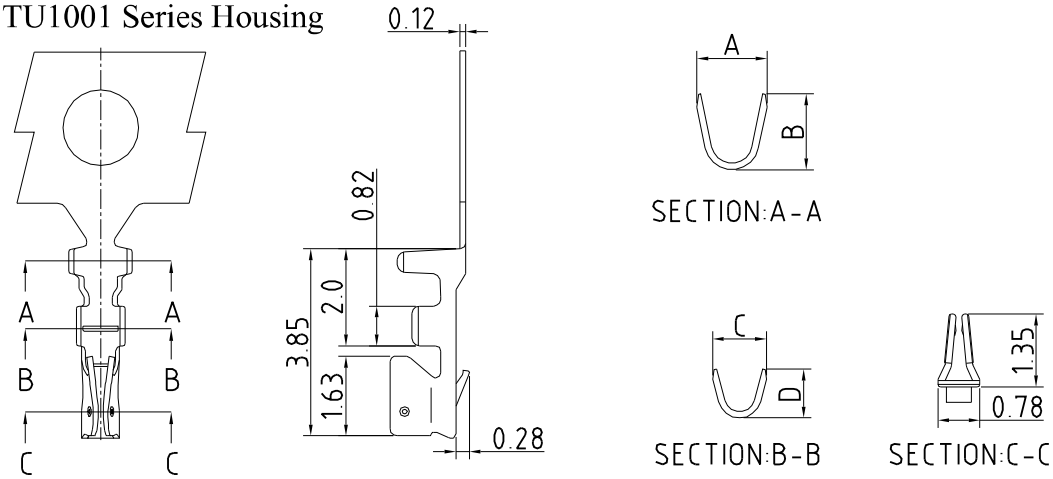
Note:

For this product in a different specification please contact TYU for more information

Terminal

Features

Use with: TU1001 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TU1001TPH-*R	AWG #26-#28	0.90mm(MAX.)	1.4	1.7	1.1	1.1	Phosphor bronze	See note	15,000pcs
TU1001TPO-*R	AWG #28-#32	0.80mm(MAX.)	1.3	1.4	1.0	0.9			
TU1001TPL-*R	AWG #32-#34	0.40mm(MAX.)	1.1	1.0	1.0	0.9			
TU1001TPL-*R-DL	AWG #36	0.30mm(MAX.)	1.05	1.15	0.85	0.65			

Note:

For this product in a different specification please contact TYU for more information

TU1001 SERIES

1.00mm Pitch Wire To Board Connector

Unit : mm

Housing Single Row

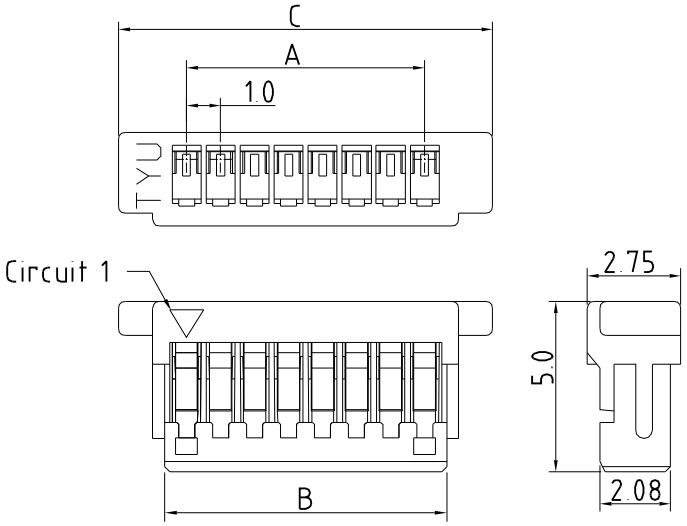
Features

Available Number of Circuits: 02 - 24

Material: Regular Thermoplastic 94V-0

Use with: TU1001 Crimp Terminal

Mates with : TU1001 Series Single Row Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
2	TU1001HNO-1x02	1.00	2.30	5.00
3	TU1001HNO-1x03	2.00	3.30	6.00
4	TU1001HNO-1x04	3.00	4.30	7.00
5	TU1001HNO-1x05	4.00	5.30	8.00
6	TU1001HNO-1x06	5.00	6.30	9.00
7	TU1001HNO-1x07	6.00	7.30	10.00
8	TU1001HNO-1x08	7.00	8.30	11.00
9	TU1001HNO-1x09	8.00	9.30	12.00
10	TU1001HNO-1x10	9.00	10.30	13.00
11	TU1001HNO-1x11	10.00	11.30	14.00
12	TU1001HNO-1x12	11.00	12.30	15.00
13	TU1001HNO-1x13	12.00	13.30	16.00
14	TU1001HNO-1x14	13.00	14.30	17.00
15	TU1001HNO-1x15	14.00	15.30	18.00
16	TU1001HNO-1x16	15.00	16.30	19.00
17	TU1001HNO-1x17	16.00	17.30	20.00
18	TU1001HNO-1x18	17.00	18.30	21.00
19	TU1001HNO-1x19	18.00	19.30	22.00
20	TU1001HNO-1x20	19.00	20.30	23.00
24	TU1001HNO-1x24	23.00	24.30	27.00

Housing Single Row

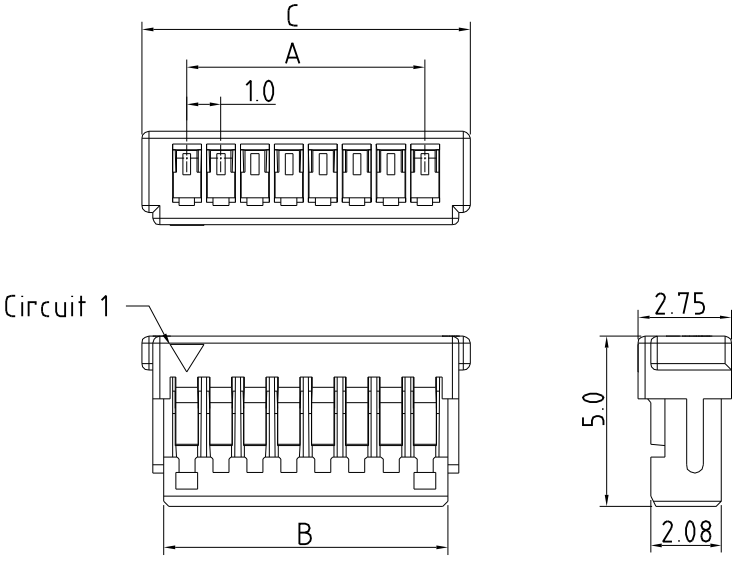
Features

Available Number of Circuits: 02 - 24

Material: Regular Thermoplastic 94V-0

Use with: TU1001 Crimp Terminal

Mates with : TU1001 Series Single Row Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
2	TU1001HNO-1x02A	1.00	2.35	3.65
3	TU1001HNO-1x03A	2.00	3.35	4.65
4	TU1001HNO-1x04A	3.00	4.35	5.65
5	TU1001HNO-1x05A	4.00	5.35	6.65
6	TU1001HNO-1x06A	5.00	6.35	7.65
7	TU1001HNO-1x07A	6.00	7.35	8.65
8	TU1001HNO-1x08A	7.00	8.35	9.65
9	TU1001HNO-1x09A	8.00	9.35	10.65
10	TU1001HNO-1x10A	9.00	10.35	11.65
11	TU1001HNO-1x11A	10.00	11.35	12.65
12	TU1001HNO-1x12A	11.00	12.35	13.65
13	TU1001HNO-1x13A	12.00	13.35	14.65
14	TU1001HNO-1x14A	13.00	14.35	15.65
15	TU1001HNO-1x15A	14.00	15.35	16.65
16	TU1001HNO-1x16A	15.00	16.35	17.65
17	TU1001HNO-1x17A	16.00	17.35	18.65
18	TU1001HNO-1x18A	17.00	18.35	19.65
19	TU1001HNO-1x19A	18.00	19.35	20.65
20	TU1001HNO-1x20A	19.00	20.35	21.65
24	TU1001HNO-1x24A	23.00	24.35	25.65

TU1001 SERIES

1.00mm Pitch Wire To Board Connector

Unit : mm

Housing

Single Row K-Type

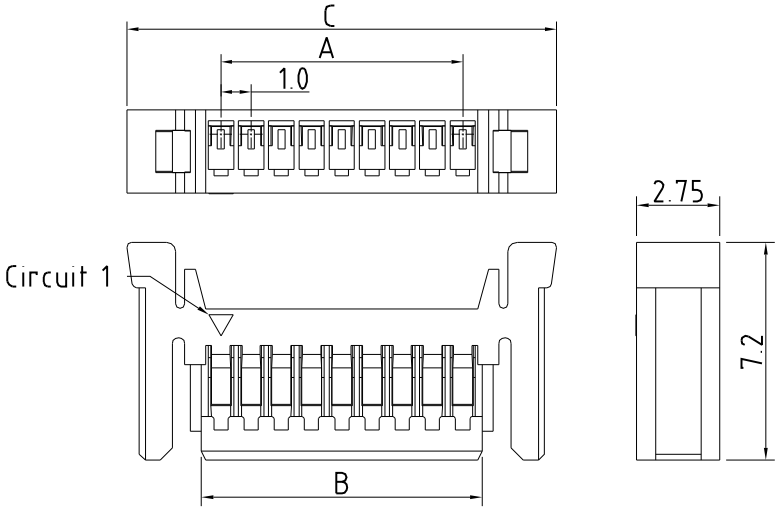
Features

Available Number of Circuits : 02 - 20

Material : Regular Thermoplastic UL 94V-0

Use with : TU1001 Crimp Terminal

Mates with : TU1001 Series Single Row K-Type Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
2	TU1001HNO-1x02K	1.00	3.00	7.20
3	TU1001HNO-1x03K	2.00	4.00	8.20
4	TU1001HNO-1x04K	3.00	5.00	9.20
5	TU1001HNO-1x05K	4.00	6.00	10.20
6	TU1001HNO-1x06K	5.00	7.00	11.20
7	TU1001HNO-1x07K	6.00	8.00	12.20
8	TU1001HNO-1x08K	7.00	9.00	13.20
9	TU1001HNO-1x09K	8.00	10.00	14.20
10	TU1001HNO-1x10K	9.00	11.00	15.20
11	TU1001HNO-1x11K	10.00	12.00	16.20
12	TU1001HNO-1x12K	11.00	13.00	17.20
13	TU1001HNO-1x13K	12.00	14.00	18.20
14	TU1001HNO-1x14K	13.00	15.00	19.20
15	TU1001HNO-1x15K	14.00	16.00	20.20
16	TU1001HNO-1x16K	15.00	17.00	21.20
17	TU1001HNO-1x17K	16.00	18.00	22.20
18	TU1001HNO-1x18K	17.00	19.00	23.20
19	TU1001HNO-1x19K	18.00	20.00	24.20
20	TU1001HNO-1x20K	19.00	21.00	25.20

Housing

Dual Row

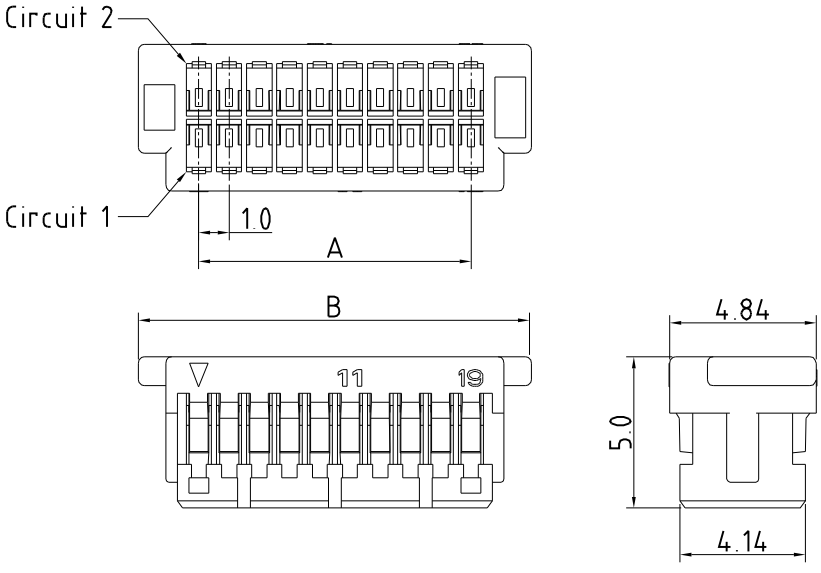
Features

Available Number of Circuits : 2x05-2x25

Material : Regular Thermoplastic UL 94V-0

Use with : TU1001 Crimp Terminal

Mates with : TU1001 Series Dual Row Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
10	TU1001HNO-2x05	4.00	8.00
12	TU1001HNO-2x06	5.00	9.00
14	TU1001HNO-2x07	6.00	10.00
16	TU1001HNO-2x08	7.00	11.00
18	TU1001HNO-2x09	8.00	12.00
20	TU1001HNO-2x10	9.00	13.00
22	TU1001HNO-2x11	10.00	14.00
24	TU1001HNO-2x12	11.00	15.00
30	TU1001HNO-2x15	14.00	18.00
40	TU1001HNO-2x20	19.00	23.00
50	TU1001HNO-2x25	24.00	28.00

TU1001 SERIES

1.00mm Pitch Wire To Board Connector

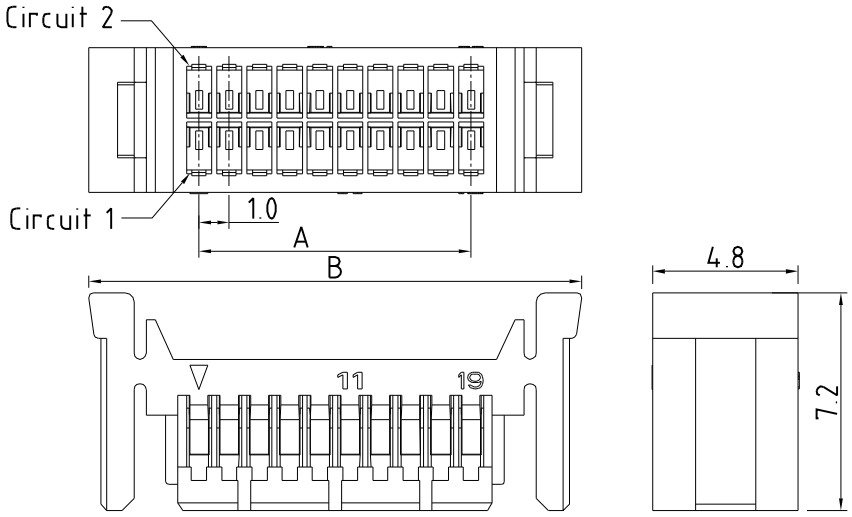
Unit : mm

Housing

Dual Row K-Type

Features

Available Number of Circuits : 2x03-2x25
Material : Regular Thermoplastic UL 94V-0
Use with : TU1001 Crimp Terminal
Mates with : TU1001 Series Dual Row K-Type Wafer



Dimension and Order Information

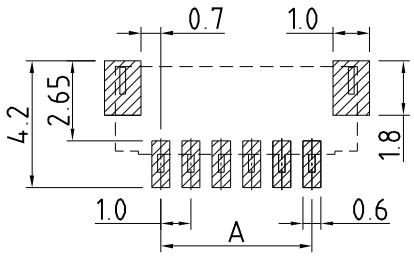
Circuits	Part No.	DIM.(mm)	
		A	B
6	TU1001HNO-2x03K	2.00	9.30
8	TU1001HNO-2x04K	3.00	10.30
10	TU1001HNO-2x05K	4.00	11.30
12	TU1001HNO-2x06K	5.00	12.30
14	TU1001HNO-2x07K	6.00	13.30
16	TU1001HNO-2x08K	7.00	14.30
18	TU1001HNO-2x09K	8.00	15.30
20	TU1001HNO-2x10K	9.00	16.30
22	TU1001HNO-2x11K	10.00	17.30
24	TU1001HNO-2x12K	11.00	18.30
30	TU1001HNO-2x15K	14.00	21.30
40	TU1001HNO-2x20K	19.00	26.30
50	TU1001HNO-2x25K	24.00	31.30

Wafer

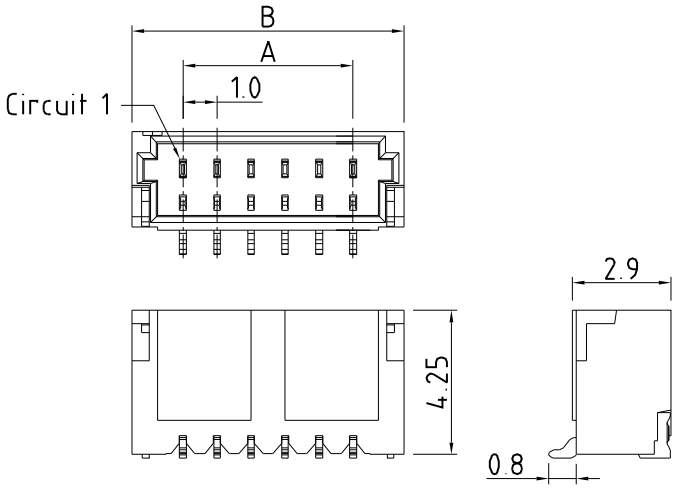
Vertical SMT Type

Features

Available Number of Circuits : 02 - 20
Material : High Temperature Thermoplastic 94V-0
Contact: 0.2mm(.008") Copper Alloy , Tin-plated
Mates with : TU1001 Series Single Row Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1001WNV-1x02S-*-*	1.00	4.00
3	TU1001WNV-1x03S-*-*	2.00	5.00
4	TU1001WNV-1x04S-*-*	3.00	6.00
5	TU1001WNV-1x05S-*-*	4.00	7.00
6	TU1001WNV-1x06S-*-*	5.00	8.00
7	TU1001WNV-1x07S-*-*	6.00	9.00
8	TU1001WNV-1x08S-*-*	7.00	10.00
9	TU1001WNV-1x09S-*-*	8.00	11.00
10	TU1001WNV-1x10S-*-*	9.00	12.00
11	TU1001WNV-1x11S-*-*	10.00	13.00
12	TU1001WNV-1x12S-*-*	11.00	14.00
13	TU1001WNV-1x13S-*-*	12.00	15.00
14	TU1001WNV-1x14S-*-*	13.00	16.00
15	TU1001WNV-1x15S-*-*	14.00	17.00
16	TU1001WNV-1x16S-*-*	15.00	18.00
17	TU1001WNV-1x17S-*-*	16.00	19.00
18	TU1001WNV-1x18S-*-*	17.00	20.00
19	TU1001WNV-1x19S-*-*	18.00	21.00
20	TU1001WNV-1x20S-*-*	19.00	22.00

TU1001 SERIES

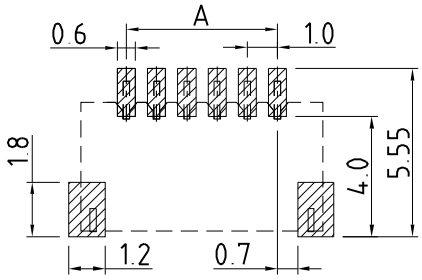
1.00mm Pitch Wire To Board Connector

Unit : mm

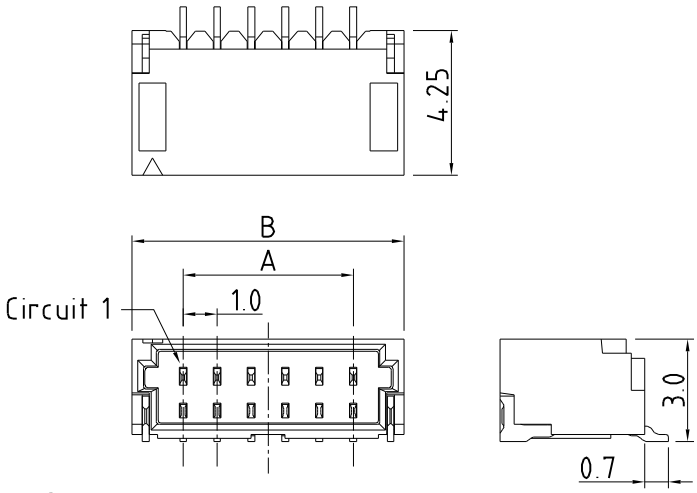
Wafer Right Angle SMT Type

Features

Available Number of Circuits : 02 - 20
Material : High Temperature Thermoplastic 94V-0
Contact: 0.2mm(.008") Copper Alloy , Tin-plated
Mates with : TU1001 Series Single Row Housing



P.C.B LAYOUT



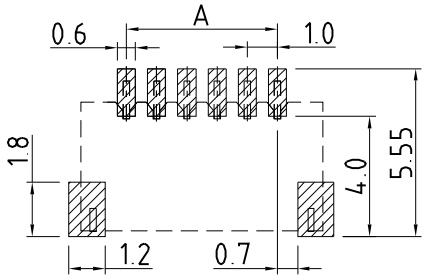
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1001WNR-1x02S-*-*	1.00	4.00
3	TU1001WNR-1x03S-*-*	2.00	5.00
4	TU1001WNR-1x04S-*-*	3.00	6.00
5	TU1001WNR-1x05S-*-*	4.00	7.00
6	TU1001WNR-1x06S-*-*	5.00	8.00
7	TU1001WNR-1x07S-*-*	6.00	9.00
8	TU1001WNR-1x08S-*-*	7.00	10.00
9	TU1001WNR-1x09S-*-*	8.00	11.00
10	TU1001WNR-1x10S-*-*	9.00	12.00
11	TU1001WNR-1x11S-*-*	10.00	13.00
12	TU1001WNR-1x12S-*-*	11.00	14.00
13	TU1001WNR-1x13S-*-*	12.00	15.00
14	TU1001WNR-1x14S-*-*	13.00	16.00
15	TU1001WNR-1x15S-*-*	14.00	17.00
16	TU1001WNR-1x16S-*-*	15.00	18.00
17	TU1001WNR-1x17S-*-*	16.00	19.00
18	TU1001WNR-1x18S-*-*	17.00	20.00
19	TU1001WNR-1x19S-*-*	18.00	21.00
20	TU1001WNR-1x20S-*-*	19.00	22.00

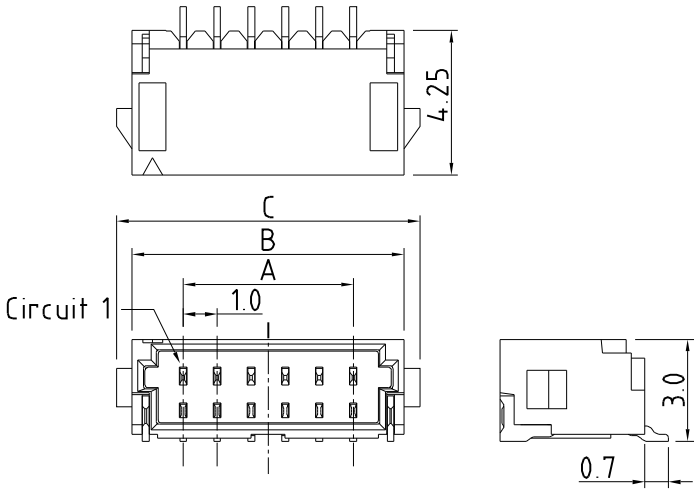
Wafer Right Angle SMT K- Type

Features

Available Number of Circuits : 02 - 20
Material : High Temperature Thermoplastic 94V-0
Contact: 0.2mm(.008") Copper Alloy , Tin-plated
Mates with : TU1001 Series Single Row Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
2	TU1001WNR-1x02SK-*-*	1.00	4.00	4.90
3	TU1001WNR-1x03SK-*-*	2.00	5.00	5.90
4	TU1001WNR-1x04SK-*-*	3.00	6.00	6.90
5	TU1001WNR-1x05SK-*-*	4.00	7.00	7.90
6	TU1001WNR-1x06SK-*-*	5.00	8.00	8.90
7	TU1001WNR-1x07SK-*-*	6.00	9.00	9.90
8	TU1001WNR-1x08SK-*-*	7.00	10.00	10.90
9	TU1001WNR-1x09SK-*-*	8.00	11.00	11.90
10	TU1001WNR-1x10SK-*-*	9.00	12.00	12.90
11	TU1001WNR-1x11SK-*-*	10.00	13.00	13.90
12	TU1001WNR-1x12SK-*-*	11.00	14.00	14.90
13	TU1001WNR-1x13SK-*-*	12.00	15.00	15.90
14	TU1001WNR-1x14SK-*-*	13.00	16.00	16.90
15	TU1001WNR-1x15SK-*-*	14.00	17.00	17.90
16	TU1001WNR-1x16SK-*-*	15.00	18.00	18.90
17	TU1001WNR-1x17SK-*-*	16.00	19.00	19.90
18	TU1001WNR-1x18SK-*-*	17.00	20.00	20.90
19	TU1001WNR-1x19SK-*-*	18.00	21.00	21.90
20	TU1001WNR-1x20SK-*-*	19.00	22.00	22.90

TU1001 SERIES

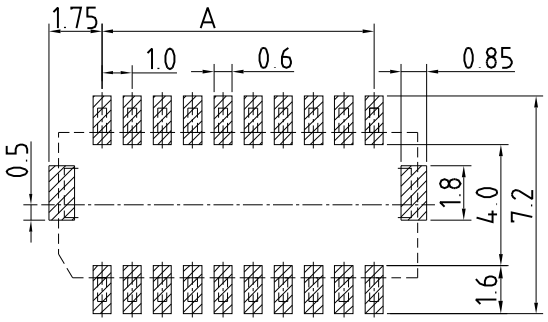
1.00mm Pitch Wire To Board Connector

Unit : mm

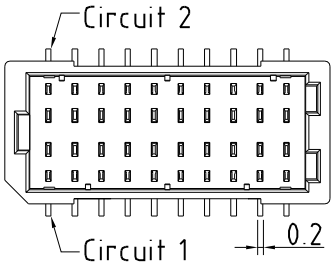
Wafer Vertical Dual Row SMT Type

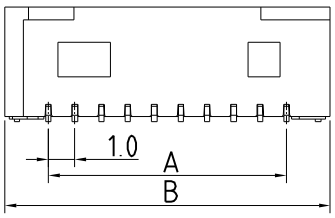
Features

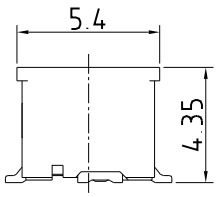
Available Number of Circuits : 2x04-2x25
Material : High Temperature Thermoplastic 94V-0
Contact: 0.2mm(.008") Copper Alloy , Tin-plated
Mates with : TU1001 Series Dual Row Housing



P.C.B LAYOUT







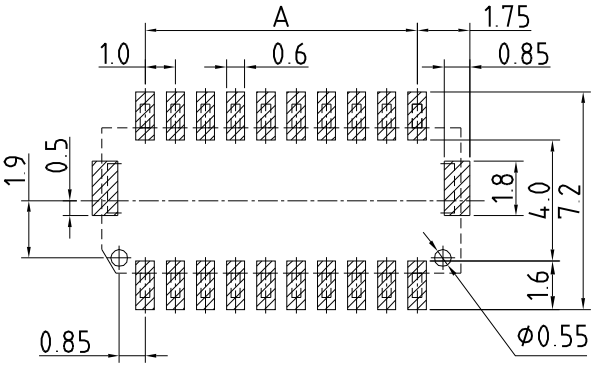
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
8	TU1001WNV-2x04S-*-*	3.00	6.30
10	TU1001WNV-2x05S-*-*	4.00	7.30
12	TU1001WNV-2x06S-*-*	5.00	8.30
14	TU1001WNV-2x07S-*-*	6.00	9.30
16	TU1001WNV-2x08S-*-*	7.00	10.30
18	TU1001WNV-2x09S-*-*	8.00	11.30
20	TU1001WNV-2x10S-*-*	9.00	12.30
22	TU1001WNV-2x11S-*-*	10.00	13.30
24	TU1001WNV-2x12S-*-*	11.00	14.30
30	TU1001WNV-2x15S-*-*	14.00	17.30
40	TU1001WNV-2x20S-*-*	19.00	22.30
50	TU1001WNV-2x25S-*-*	24.00	27.30

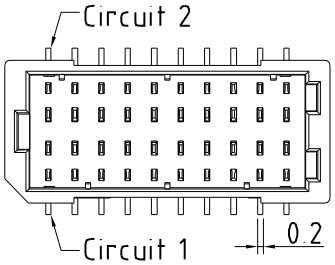
Wafer Vertical Dual Row SMT Type with post

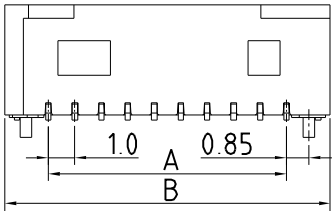
Features

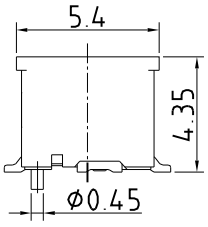
Available Number of Circuits : 2x04-2x25
Material : High Temperature Thermoplastic 94V-0
Contact: 0.2mm(.008") Copper Alloy , Tin-plated
Mates with : TU1001 Series Dual Row Housing



P.C.B LAYOUT







Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
8	TU1001WNV-2x04SF-*-*	3.00	6.30
10	TU1001WNV-2x05SF-*-*	4.00	7.30
12	TU1001WNV-2x06SF-*-*	5.00	8.30
14	TU1001WNV-2x07SF-*-*	6.00	9.30
16	TU1001WNV-2x08SF-*-*	7.00	10.30
18	TU1001WNV-2x09SF-*-*	8.00	11.30
20	TU1001WNV-2x10SF-*-*	9.00	12.30
22	TU1001WNV-2x11SF-*-*	10.00	13.30
24	TU1001WNV-2x12SF-*-*	11.00	14.30
30	TU1001WNV-2x15SF-*-*	14.00	17.30
40	TU1001WNV-2x20SF-*-*	19.00	22.30
50	TU1001WNV-2x25SF-*-*	24.00	27.30

TU1001 SERIES

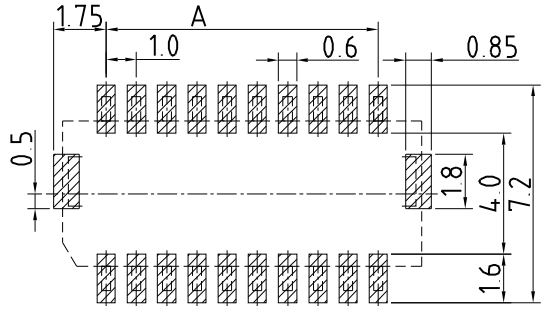
1.00mm Pitch Wire To Board Connector

Unit : mm

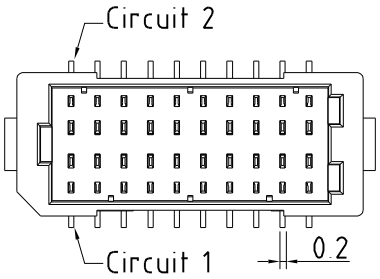
Wafer

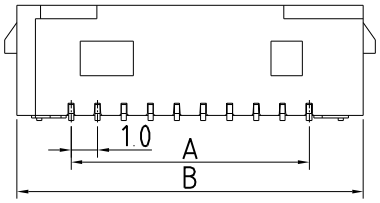
Vertical Dual Row K-Type SMT Type

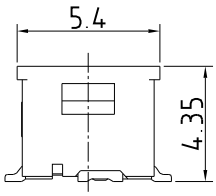
Features
Available Number of Circuits : 2x03-2x25
Material : High Temperature Thermoplastic 94V-0
Contact: 0.2mm(.008") Copper Alloy , Tin-plated
Mates with : TU1001 Series Dual Row K-Type Housing



P.C.B LAYOUT







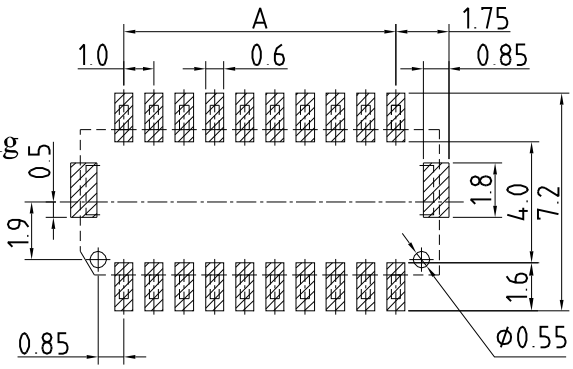
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
6	TU1001WNV-2x03SK-*-*	2.00	6.10
8	TU1001WNV-2x04SK-*-*	3.00	7.10
10	TU1001WNV-2x05SK-*-*	4.00	8.10
12	TU1001WNV-2x06SK-*-*	5.00	9.10
14	TU1001WNV-2x07SK-*-*	6.00	10.10
16	TU1001WNV-2x08SK-*-*	7.00	11.10
18	TU1001WNV-2x09SK-*-*	8.00	12.10
20	TU1001WNV-2x10SK-*-*	9.00	13.10
22	TU1001WNV-2x11SK-*-*	10.00	14.10
24	TU1001WNV-2x12SK-*-*	11.00	15.10
30	TU1001WNV-2x15SK-*-*	14.00	18.10
40	TU1001WNV-2x20SK-*-*	19.00	23.10
50	TU1001WNV-2x25SK-*-*	24.00	28.10

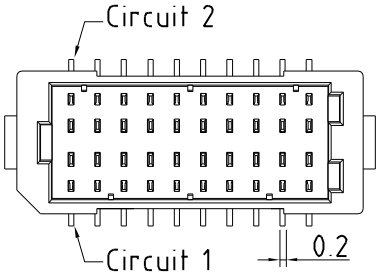
Wafer

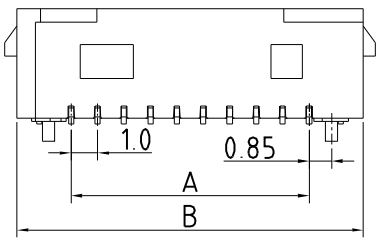
Vertical Dual Row K-Type SMT Type with post

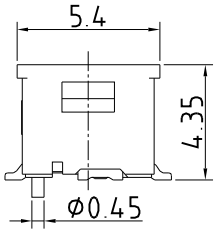
Features
Available Number of Circuits : 2x03-2x25
Material : High Temperature Thermoplastic 94V-0
Contact: 0.2mm(.008") Copper Alloy , Tin-plated
Mates with : TU1001 Series Dual Row K-Type Housing



P.C.B LAYOUT







Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
6	TU1001WNV-2x03SKF-*-*	2.00	6.10
8	TU1001WNV-2x04SKF-*-*	3.00	7.10
10	TU1001WNV-2x05SKF-*-*	4.00	8.10
12	TU1001WNV-2x06SKF-*-*	5.00	9.10
14	TU1001WNV-2x07SKF-*-*	6.00	10.10
16	TU1001WNV-2x08SKF-*-*	7.00	11.10
18	TU1001WNV-2x09SKF-*-*	8.00	12.10
20	TU1001WNV-2x10SKF-*-*	9.00	13.10
22	TU1001WNV-2x11SKF-*-*	10.00	14.10
24	TU1001WNV-2x12SKF-*-*	11.00	15.10
30	TU1001WNV-2x15SKF-*-*	14.00	18.10
40	TU1001WNV-2x20SKF-*-*	19.00	23.10
50	TU1001WNV-2x25SKF-*-*	24.00	28.10

TU1001 SERIES

1.00mm Pitch Wire To Board Connector

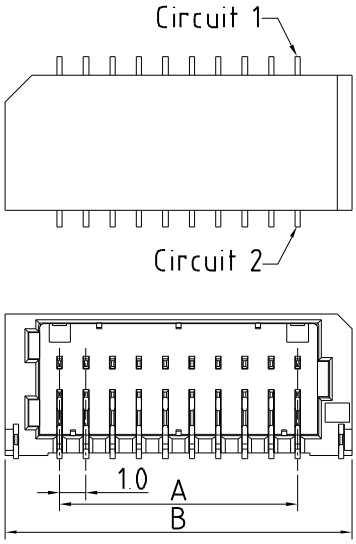
Unit : mm

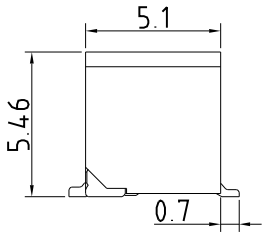
Wafer

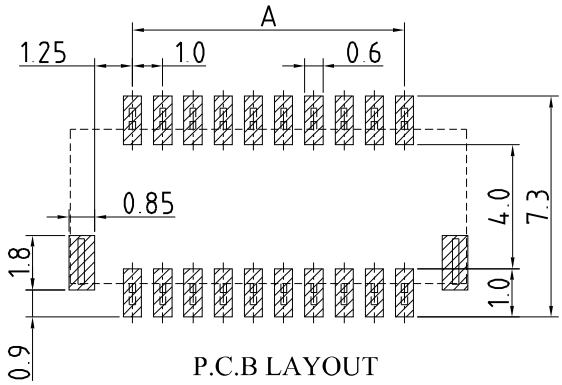
Right Angle Dual Row SMT Type

Features

Available Number of Circuits : 2x05-2x25
Material : High Temperature Thermoplastic 94V-0
Contact: 0.2mm(.008") Copper Alloy , Tin-plated
Mates with : TU1001 Series Dual Row Housing







P.C.B LAYOUT

Dimension and Order Information

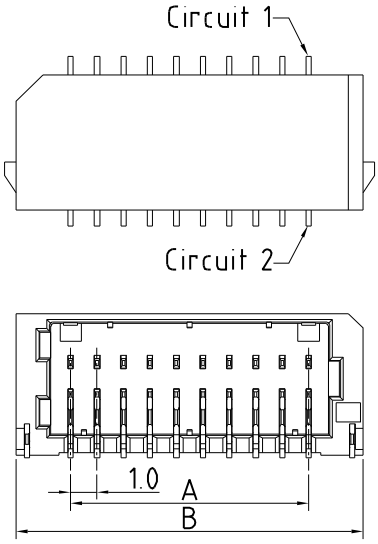
Circuits	Part No.	DIM.(mm)	
		A	B
10	TU1001WNR-2x05S-*-*	4.00	8.10
12	TU1001WNR-2x06S-*-*	5.00	9.10
14	TU1001WNR-2x07S-*-*	6.00	10.10
16	TU1001WNR-2x08S-*-*	7.00	11.10
18	TU1001WNR-2x09S-*-*	8.00	12.10
20	TU1001WNR-2x10S-*-*	9.00	13.10
22	TU1001WNR-2x11S-*-*	10.00	14.10
24	TU1001WNR-2x12S-*-*	11.00	15.10
30	TU1001WNR-2x15S-*-*	14.00	18.10
40	TU1001WNR-2x20S-*-*	19.00	23.10
50	TU1001WNR-2x25S-*-*	24.00	28.10

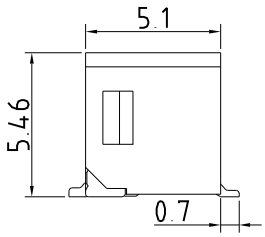
Wafer

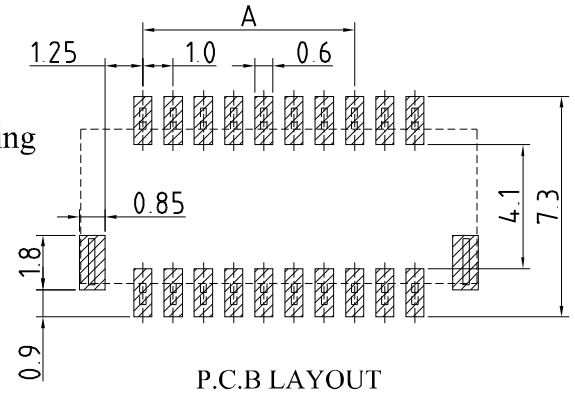
Right Angle Dual Row SMT K- Type

Features

Available Number of Circuits : 2x03-2x25
Material : High Temperature Thermoplastic 94V-0
Contact: 0.2mm(.008") Copper Alloy , Tin-plated
Mates with : TU1001 Series Dual Row K-Type Housing







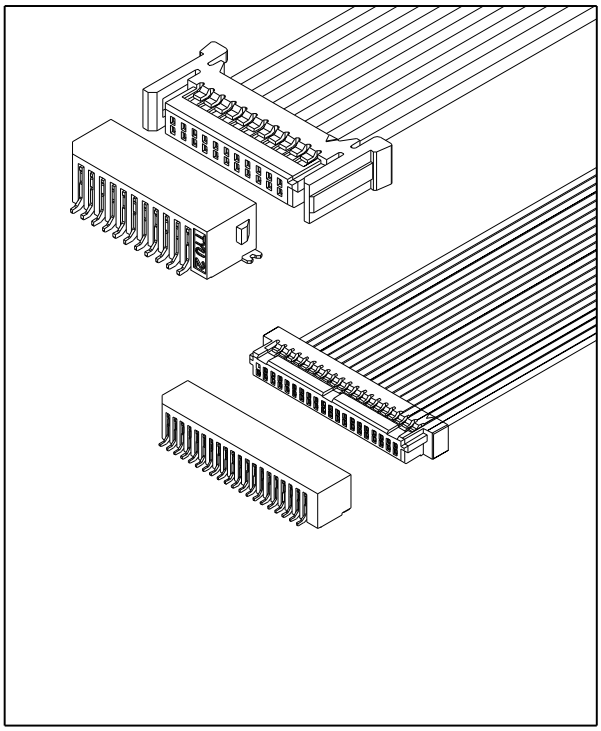
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
6	TU1001WNR-2x03SK-*-*	2.00	6.10
8	TU1001WNR-2x04SK-*-*	3.00	7.10
10	TU1001WNR-2x05SK-*-*	4.00	8.10
12	TU1001WNR-2x06SK-*-*	5.00	9.10
14	TU1001WNR-2x07SK-*-*	6.00	10.10
16	TU1001WNR-2x08SK-*-*	7.00	11.10
18	TU1001WNR-2x09SK-*-*	8.00	12.10
20	TU1001WNR-2x10SK-*-*	9.00	13.10
22	TU1001WNR-2x11SK-*-*	10.00	14.10
24	TU1001WNR-2x12SK-*-*	11.00	15.10
30	TU1001WNR-2x15SK-*-*	14.00	18.10
40	TU1001WNR-2x20SK-*-*	19.00	23.10
50	TU1001WNR-2x25SK-*-*	24.00	28.10

TU1002 SERIES

1.00mm Pitch Wire To Board Connector

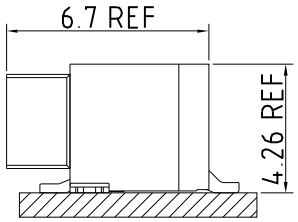


Specification

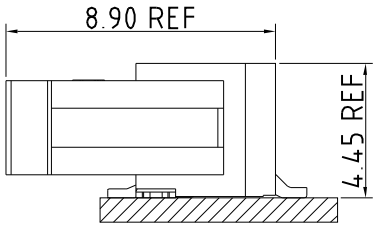
Circuits	2x03 - 2x25
Pitch	1.00mm
Current Rating	1A AC/DC
Voltage Rating	50V AC/DC
Contact Resistance	40mΩ MAX.
Withstand Voltage	250V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #28 - #34

Assembly Layout

Right Angle Dual Row
SMT Type



Right Angle Dual Row
SMT K-Type



TU1002 ① * - ② * x NP ③ * - ④ *- ⑤ * ⑥

① Part No. TU1002	④ Mount Type S : SMT-Type Wafer SK : SMT With Lock Type Wafer K : Lock Type	⑥ Product Color Blank : As Specified C* : Color of number
② Connection Type: HNO : Terminal Socket WNR : Right Angle Wafer	⑤ Contact Plating Code Blank : As Specified GO : Gold-flash over Nickel	
③ Number of Contacts: 2xNP : Dual Row		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1002 SERIES

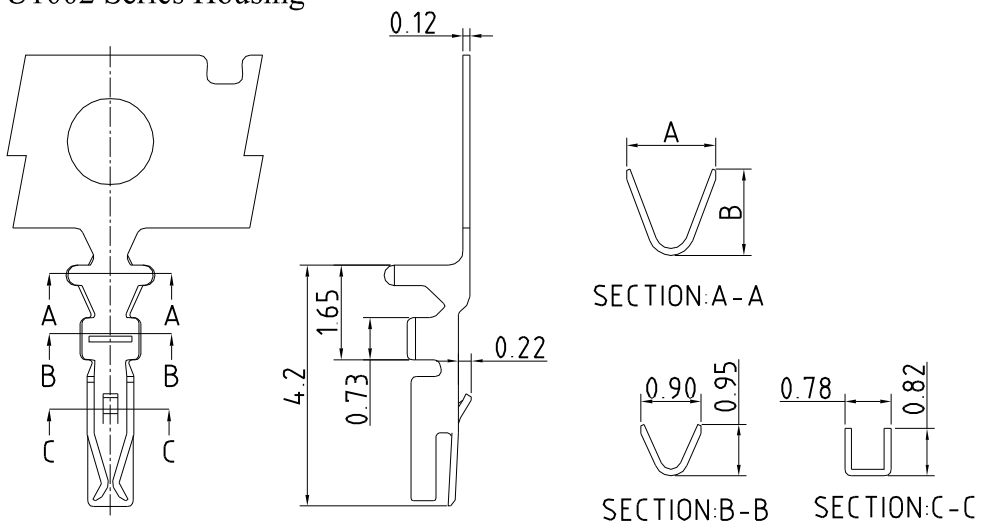
1.00mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU1002 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TU1002TPL-*	AWG #32-#34	0.4mm(MAX.)	1.08	1.00	0.90	1.00	Phosphor bronze	See note	20,000pcs
TU1002TPO-*	AWG #28-#32	0.8mm(MAX.)	1.35	1.55	0.90	1.55			

Note:

For this product in a different specification please contact TYU for more information

Housing

Dual Row

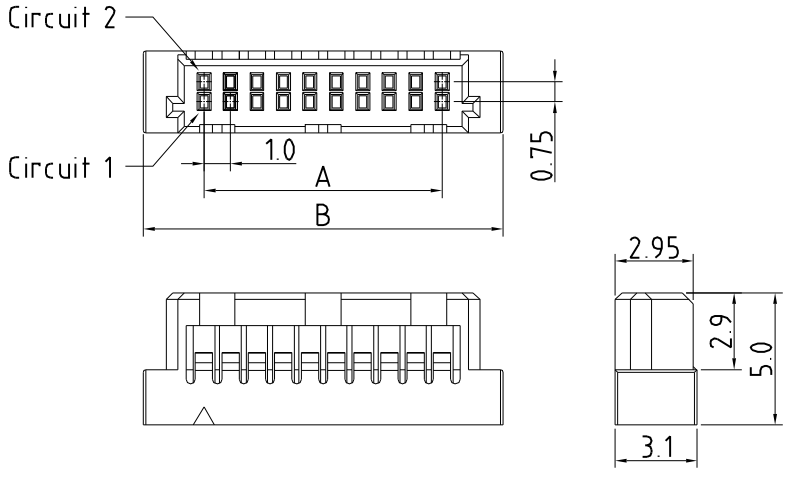
Features

Available Number of Circuits: 2x05,08,09,10,15,20,25

Material: Regular Thermoplastic 94V-0

Use with: TU1002 Crimp Terminal

Mates with : TU1002 Dual Row Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
10	TU1002HNO-2x05*-*	4.00	8.60
16	TU1002HNO-2x08*-*	7.00	11.60
18	TU1002HNO-2x09*-*	8.00	12.60
20	TU1002HNO-2x10*-*	9.00	13.60
30	TU1002HNO-2x15*-*	14.00	18.60
40	TU1002HNO-2x20*-*	19.00	23.60
50	TU1002HNO-2x25*-*	24.00	28.60

TU1002 SERIES

1.00mm Pitch Wire To Board Connector

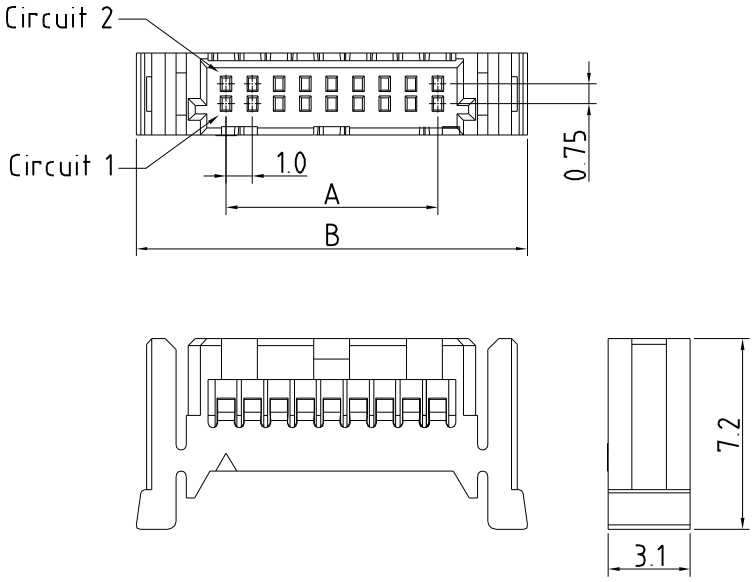
Unit : mm

Housing

Dual Row K-Type

Features

Available Number of Circuits: 2x04-11,15,20,25
Material: Regular Thermoplastic 94V-0
Use with: TU1002 Crimp Terminal
Mates with : TU1002 Dual Row Series K-Type Wafer



Dimension and Order Information

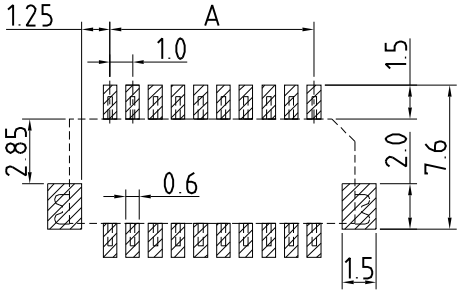
Circuits	Part No.	DIM.(mm)	
		A	B
8	TU1002HNO-2x04*K-*	3.00	9.80
10	TU1002HNO-2x05*K-*	4.00	10.80
12	TU1002HNO-2x06*K-*	5.00	11.80
14	TU1002HNO-2x07*K-*	6.00	12.80
16	TU1002HNO-2x08*K-*	7.00	13.80
18	TU1002HNO-2x09*K-*	8.00	14.80
20	TU1002HNO-2x10*K-*	9.00	15.80
22	TU1002HNO-2x11*K-*	10.00	16.80
30	TU1002HNO-2x15*K-*	14.00	20.80
40	TU1002HNO-2x20*K-*	19.00	25.80
50	TU1002HNO-2x25*K-*	24.00	30.80

Wafer

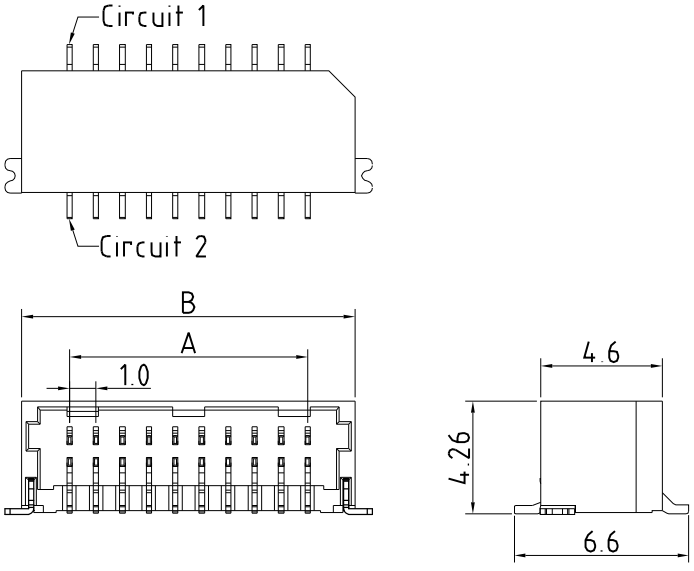
Right Angle Dual Row SMT Type

Features

Available Number of Circuits: 2x05-2x11,15,20,25
Material: High Temperature Thermoplastic 94V-0
Contact : 0.20mm(.008") Copper Alloy, Tin-plated
Mates with : TU1002 Series Dual Row Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
10	TU1002WNR-2x05S*-*	4.00	7.60
12	TU1002WNR-2x06S*-*	4.00	7.60
14	TU1002WNR-2x07S*-*	6.00	9.60
16	TU1002WNR-2x08S*-*	7.00	10.60
18	TU1002WNR-2x09S*-*	8.00	11.60
20	TU1002WNR-2x10S*-*	9.00	12.60
22	TU1002WNR-2x11S*-*	10.00	13.60
30	TU1002WNR-2x15S*-*	14.00	17.60
40	TU1002WNR-2x20S*-*	19.00	22.60
50	TU1002WNR-2x25S*-*	24.00	27.60

TU1002 SERIES

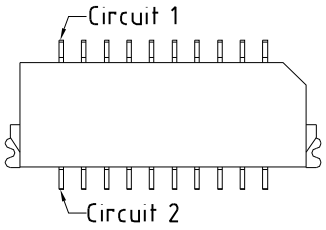
1.00mm Pitch Wire To Board Connector

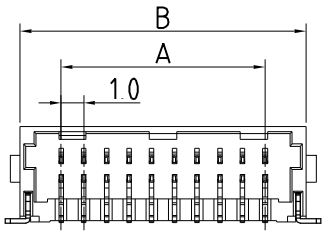
Unit : mm

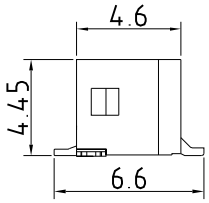
Wafer Right Angle Dual Row SMT K-Type

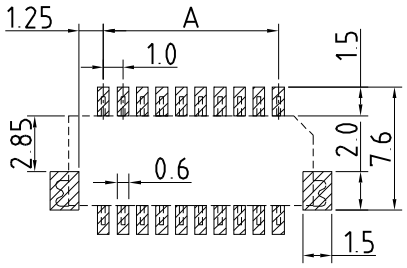
Features

Available Number of Circuits: 2x03-2x15,20,25
Material: High Temperature Thermoplastic 94V-0
Contact : 0.20mm(.008") Copper Alloy, Tin-plated
Mates with : TU1002 Series Dual Row K-Type Housing







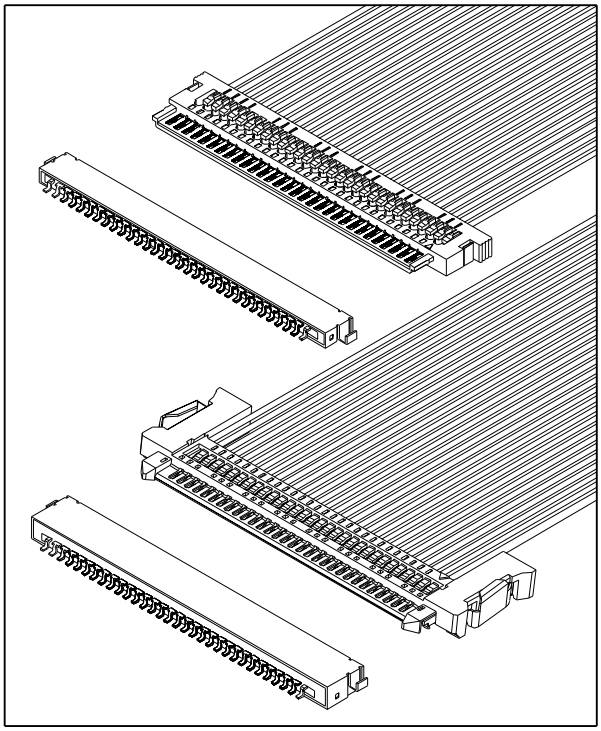


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
6	TU1002WNR-2x03S*K-*	2.00	5.60
8	TU1002WNR-2x04S*K-*	3.00	6.60
10	TU1002WNR-2x05S*K-*	4.00	7.60
12	TU1002WNR-2x06S*K-*	5.00	8.60
14	TU1002WNR-2x07S*K-*	6.00	9.60
16	TU1002WNR-2x08S*K-*	7.00	10.60
18	TU1002WNR-2x09S*K-*	8.00	11.60
20	TU1002WNR-2x10S*K-*	9.00	12.60
22	TU1002WNR-2x11S*K-*	10.00	13.60
24	TU1002WNR-2x12S*K-*	11.00	14.60
26	TU1002WNR-2x13S*K-*	12.00	15.60
28	TU1002WNR-2x14S*K-*	13.00	16.60
30	TU1002WNR-2x15S*K-*	14.00	17.60
40	TU1002WNR-2x20S*K-*	19.00	22.60
50	TU1002WNR-2x25S*K-*	24.00	27.60

TU1003 SERIES

1.00mm Pitch Wire To Board Connector

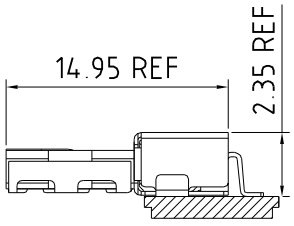


Specification

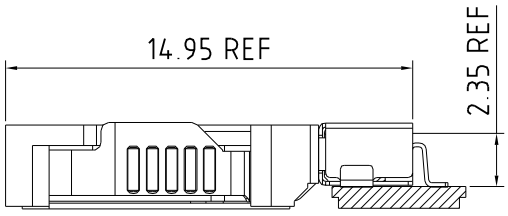
Circuits	30
Pitch	1.00mm
Current Rating	1A AC/DC
Voltage Rating	200V AC/DC
Contact Resistance	40mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-40°C - +85°C
Applicable Wire Range	AWG #30 - #34

Assembly Layout

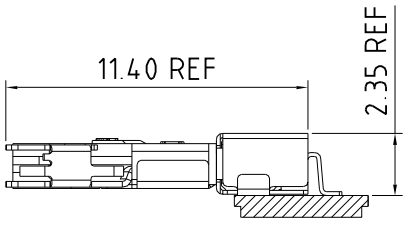
Right Angle F Type



Right Angle E Type



Right Angle K3 Type



TU1003 * - NP * - * - * - *
① ② ③ ④ ⑤ ⑥ ⑦

① Part No. TU1003	④ Mount Type F : F-Type Housing E : E-Type Housing K3 : K3-Type Housing S : SMT-Type Wafer	⑥ Material Code Blank : As Specified S1 : Phosphor bronze Tin-plated
② Connection Type: HNO : Terminal Socket WNR : Right Angle Wafer		⑦ Product Color Blank : As Specified C* : Color of number
③ Number of Contacts: NP : Circuits	⑤ Contact Plating Code Blank : As Specified GO : Gold-flash over Nickel	

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1003 SERIES

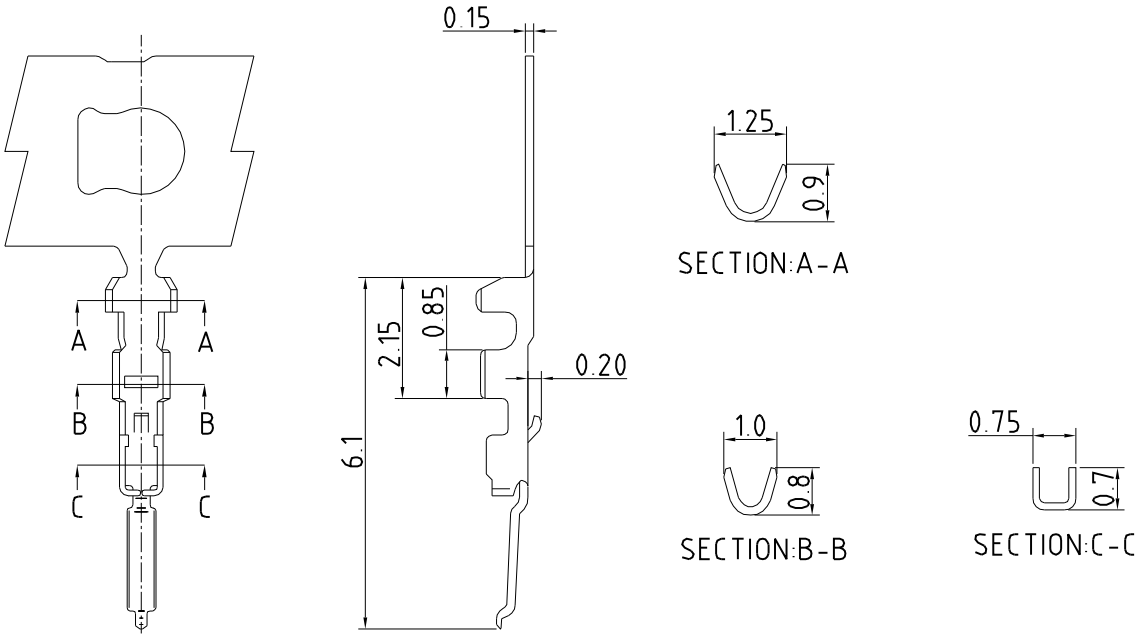
1.00mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU1003 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU1003TPO-*	AWG #30-#34	0.75mm(MAX.)	Phosphor bronze	See note	20,000 pcs

Note:

For this product in a different specification please contact TYU for more information

Housing

Features

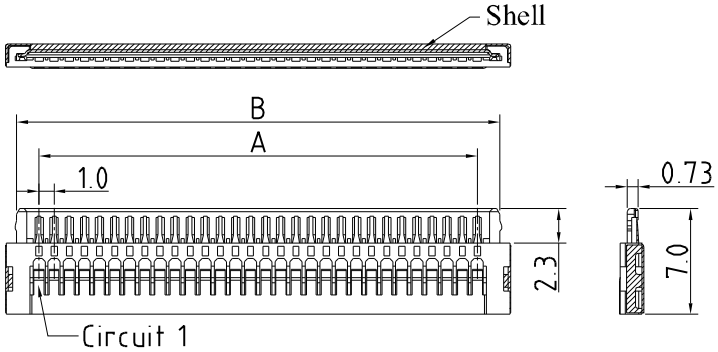
Available Number of Circuits: 14,20,30

Material: High Temperature Thermoplastic 94V-0

Shell: 0.15mm(.006") Stainless steel

Use with: TU1003 Crimp Terminal

Mates with : TU1003 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
14	TU1003HNO-14F-*-*	13.00	15.90
20	TU1003HNO-20F-*-*	19.00	21.90
30	TU1003HNO-30F-*-*	29.00	31.90

TU1003 SERIES

1.00mm Pitch Wire To Board Connector

Unit : mm

Housing E-Type

Features

Available Number of Circuits:30

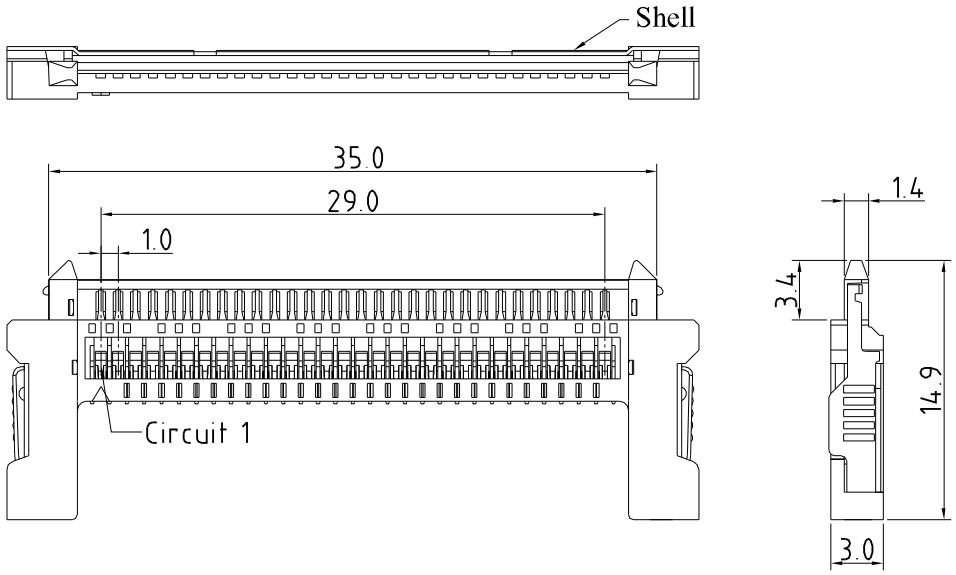
Material: High Temperature Thermoplastic 94V-0

Shell: 0.20mm(.008") Stainless Steel

Use with: TU1003 Crimp Terminal

Mates with : TU1003 Series E-Type Wafer

Part No. : TU1003HNO-30E



Housing K3-Type

Features

Available Numble of Circuits: 30

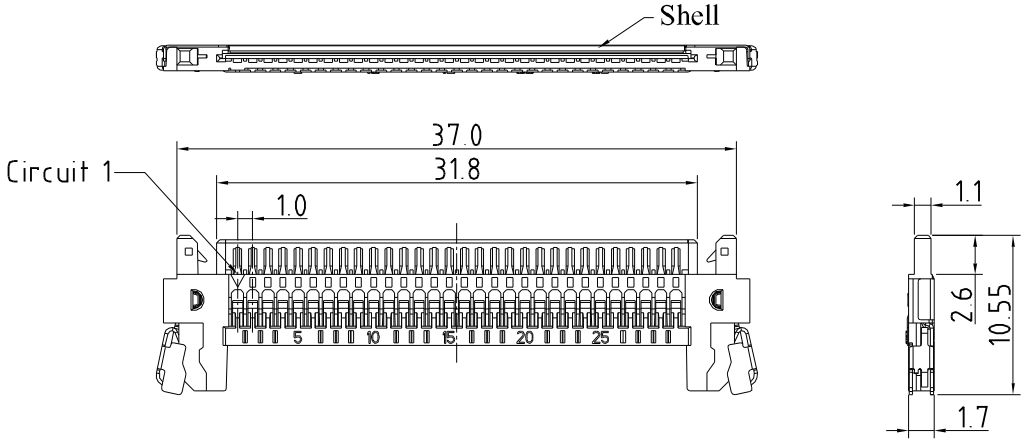
Material: High Temperature Thermoplastic 94V-0

Shell: 0.15mm(.006") Stainless Steel

Use with: TU1003 Crimp Terminal

Mates with : TU1003 Series Wafer

Part No. : TU1003HNO-30K3-*



TU1003 SERIES

1.00mm Pitch Wire To Board Connector

Unit : mm

Wafer

Features

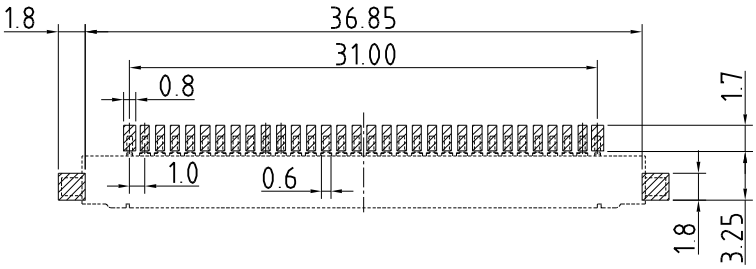
Available Number of Circuits:30

Material: High Temperature Thermoplastic 94V-0

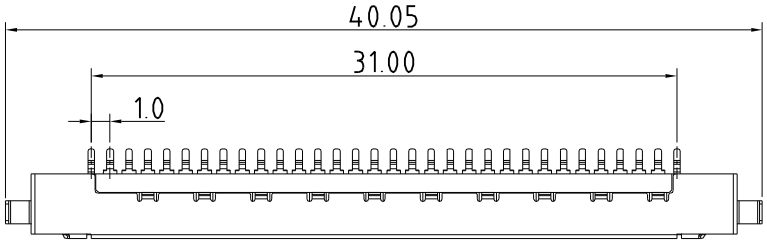
Contact: 0.15mm(.005") Copper Alloy,Tin-flash

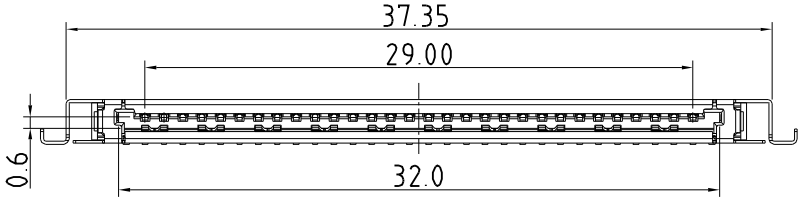
Mates with : TU1003 Series Housing

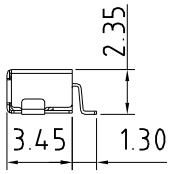
Part No. : TU1003WNR-30S



P.C.B LAYOUT

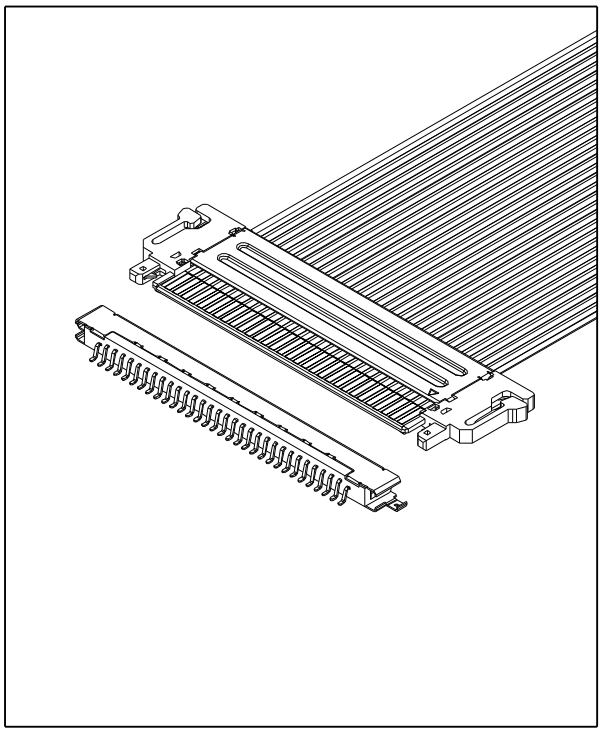






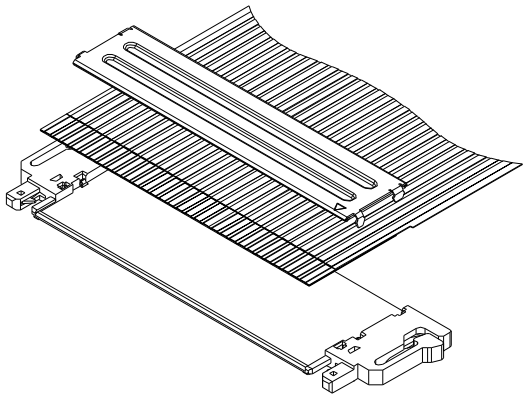
TG1003 SERIES

1.00mm Pitch Wire To Board Connector



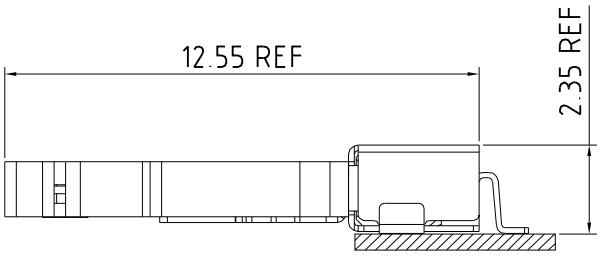
Specification

Circuits	30
Pitch	1.00mm
Current Rating	0.4A AC/DC
Voltage Rating	50V AC/DC
Contact Resistance	40mΩ MAX.
Withstand Voltage	250V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-40°C - +85°C



Assembly Layout

Right Angle Type



TG1003 * - NP * - *
① ② ③ ④ ⑤

① Part No. TG1003	④ Mount Type G : Ground pin	
② Connection Type: HNO : FFC Socket	⑤ Product Color Blank : As Specified C* : Color of number	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TG1003 SERIES

1.00mm Pitch Wire To Board Connector

Unit : mm

Housing FFC Type

Features

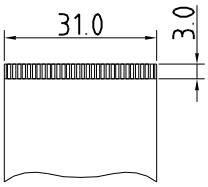
Available Number of Circuits:30

Material: High Temperature Thermoplastic 94V-0

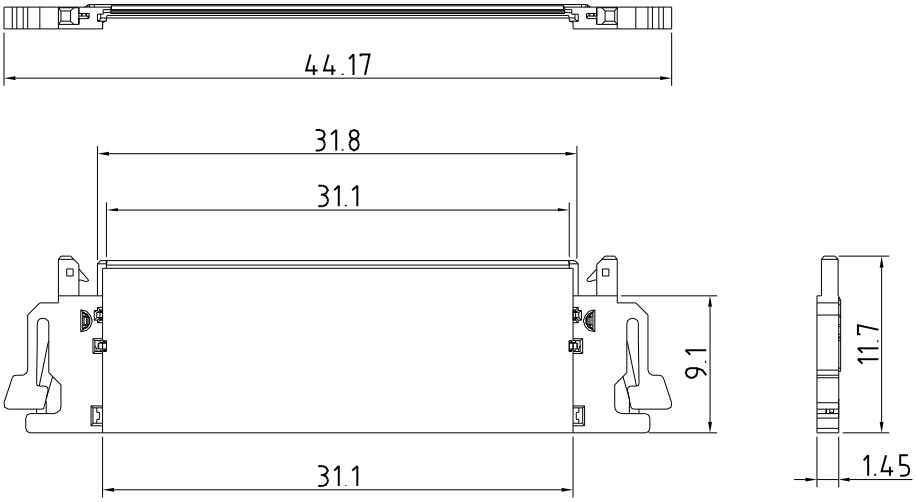
Shell: 0.15mm(.006") Stainless steel

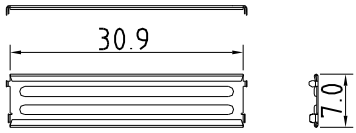
Mates with : TU1003 Series Wafer

Part No. : TG1003HNO-30



Recommended FFC dimension





FRONT SHELL
TG1003EMIS0F-30

Housing FFC Type

Features

Available Number of Circuits:30

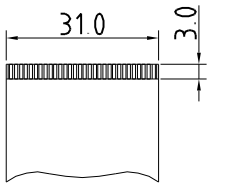
Material: High Temperature Thermoplastic 94V-0

Shell: 0.15mm(.006") Stainless steel

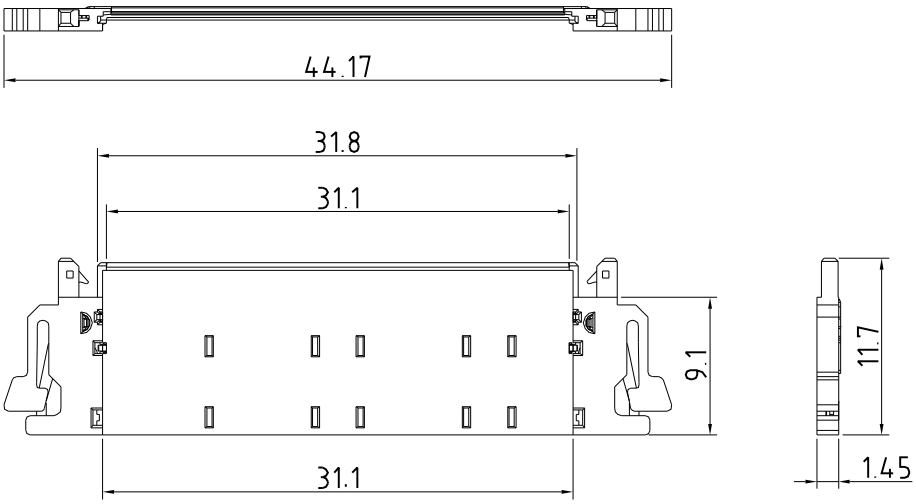
Mates with : TU1003 Series Wafer

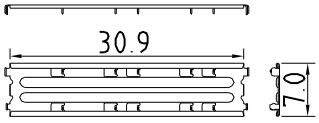
Part No. : TG1003HNO-30G

Ground pin



Recommended FFC dimension



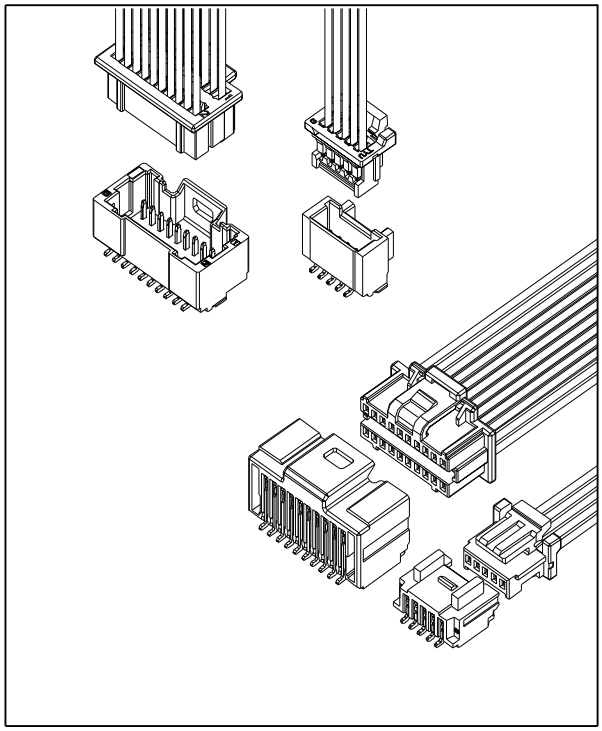


FRONT SHELL
TG1003EMIS0F-30B

TU1006 SERIES

1.00mm Pitch Wire To Board Connector

TU1006

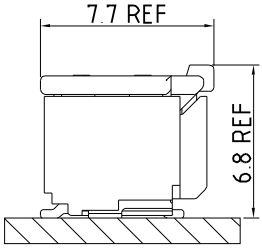


Specification

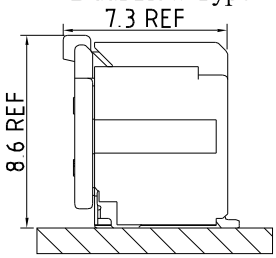
Circuits	1x02 - 1x15 , 2x10 - 2x25
Pitch	1.00mm
Current Rating	1.0A AC/DC (AWG#28,#30) 0.8A AC/DC (AWG#32)
Voltage Rating	50V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	250V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #28 - #32

Assembly Layout

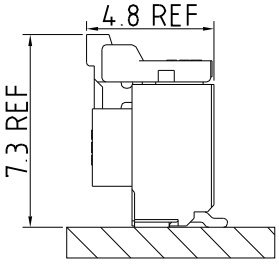
Vertical
Dual Row Type



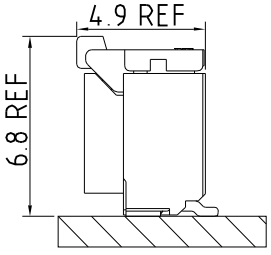
Right Angle
Dual Row Type



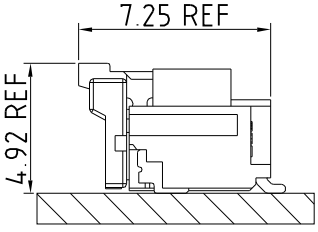
Vertical
Single Row Type
1x02~1x05 PIN



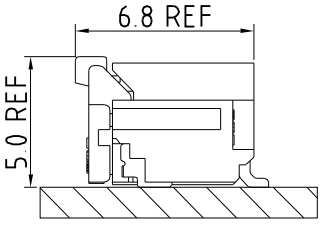
Vertical
Single Row Type
1x06~1x15 PIN



Right Angle
Single Row Type
1x02~1x05 PIN



Right Angle
Single Row Type
1x06~1x15 PIN



Part No. 1 TU1006 ① * ② -1x ③NP ④* ⑤ - *

Part No. 2 TU1006 ① * ② - 2x ③NP ④* ⑥ - * 00

① Part No. TU1006

② Connection Type:
HNO : Terminal Socket
WNR : Right Angle Wafer
WNV : Vertical Wafer

③ Number of Contacts:
1xNP : Single row
2xNP : Dual row

④ Mount Type
(Part No. 1) SK : SMT With Lock Type Wafer
(Part No. 2) 5K : SMT With Lock Type Wafer
(Part No. 2) 6K : SMT With Lock With Mylar Type Wafer
(Part No. 2) 7K : SMT With Lock With Cover Type Wafer

⑤ Product Color
Blank : As Specified
C* : Color of number

⑥ Finish
0 : Gold flash over Nickel

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1006 SERIES

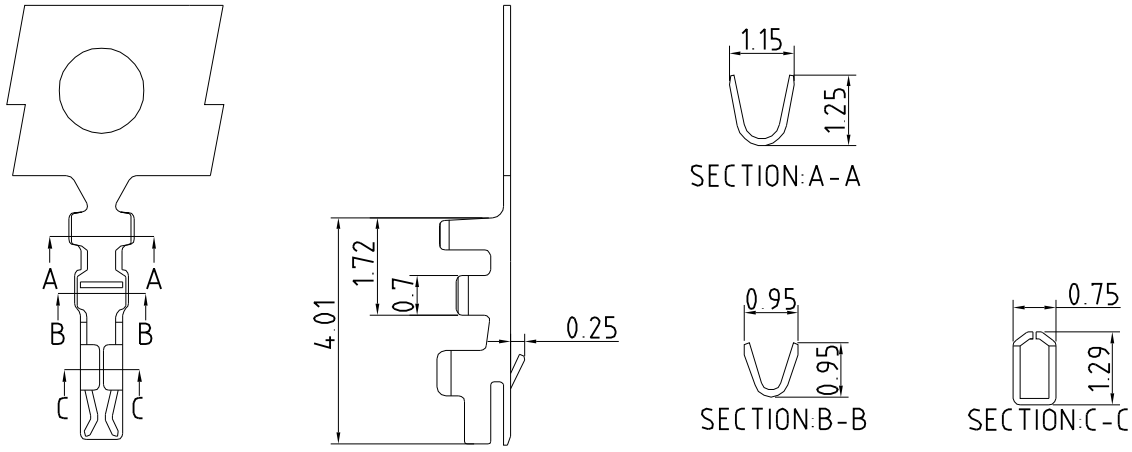
1.00mm Pitch Wire To Board Connector

Terminal

Unit : mm

Features

Use with: TU1006 Single Row Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU1006TPO-*	AWG #28-#32	0.80mm(MAX.)	Phosphor bronze	See note	20,000 pcs

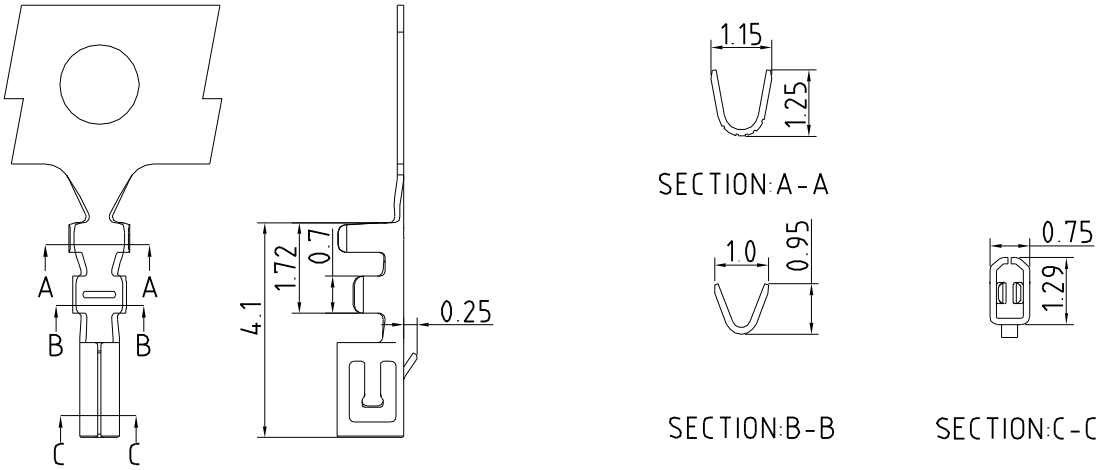
Note:

For this product in a different specification please contact TYU for more information

Terminal

Features

Use with: TU1006 Dual Row Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU1006TPO-2*	AWG #28-#32	0.80mm(MAX.)	Phosphor bronze	See note	20,000 pcs

Note:

For this product in a different specification please contact TYU for more information

TU1006 SERIES

1.00mm Pitch Wire To Board Connector

Unit : mm

Housing Single Row

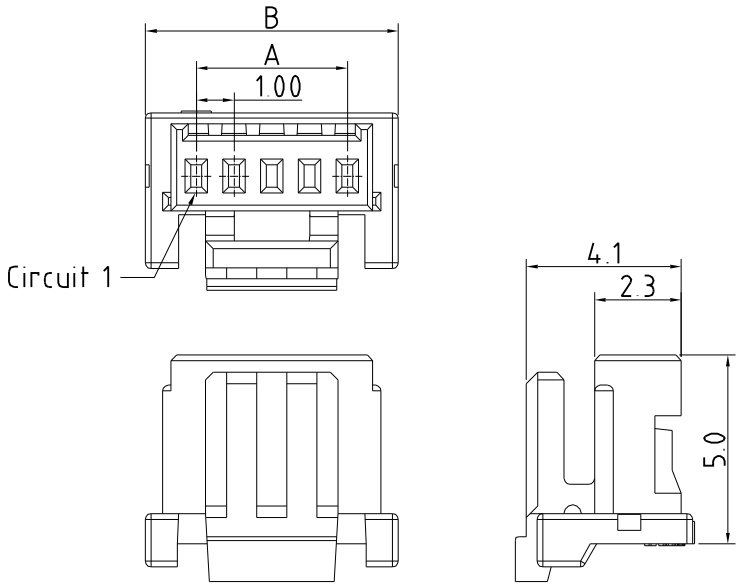
Features

Available Number of Circuits: 1x02 - 1x05

Material: Regular Thermoplastic 94V-0

Use with: TU1006TPO-* Crimp Terminal

Mates with : TU1006 Series Single Row Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
02	TU1006HNO-1x02K	1.00	3.70
03	TU1006HNO-1x03K	2.00	4.70
04	TU1006HNO-1x04K	3.00	5.70
05	TU1006HNO-1x05K	4.00	6.70

Housing Single Row

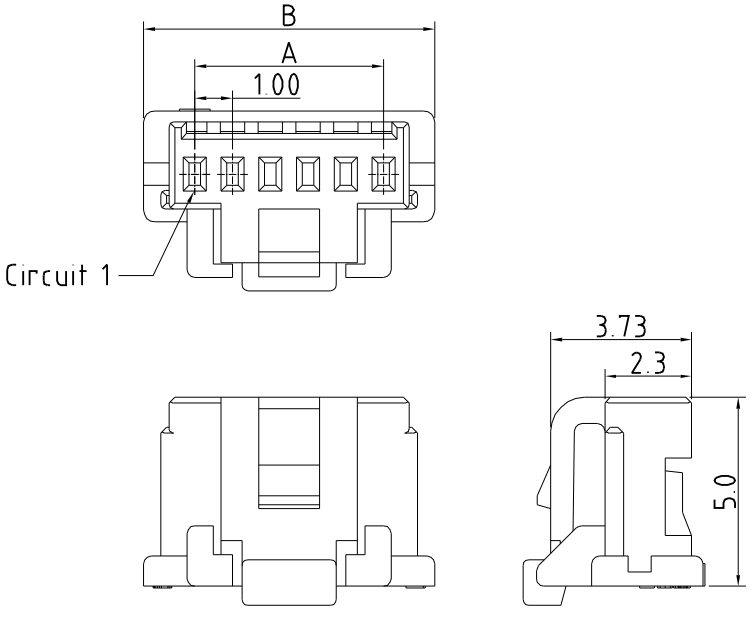
Features

Available Number of Circuits: 1x06 - 1x15

Material: Regular Thermoplastic 94V-0

Use with: TU1006TPO-* Crimp Terminal

Mates with : TU1006 Series Single Row Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
06	TU1006HNO-1x06KA	5.00	7.70
07	TU1006HNO-1x07KA	6.00	8.70
08	TU1006HNO-1x08KA	7.00	9.70
09	TU1006HNO-1x09KA	8.00	10.70
10	TU1006HNO-1x10KA	9.00	11.70
11	TU1006HNO-1x11KA	10.00	12.70
12	TU1006HNO-1x12KA	11.00	13.70
13	TU1006HNO-1x13KA	12.00	14.70
14	TU1006HNO-1x14KA	13.00	15.70
15	TU1006HNO-1x15KA	14.00	16.70

TU1006 SERIES

1.00mm Pitch Wire To Board Connector

Unit : mm

Housing

Dual Row

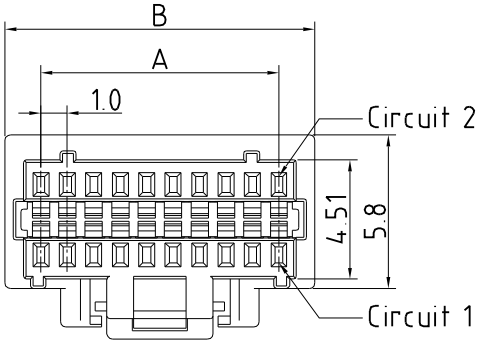
Features

Available Number of Circuits : 2x10-2x25

Material : Regular Thermoplastic UL 94V-0

Use with : TU1006TPO-2* Crimp Terminal

Mates with : TU1006 Series Dual Row Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
20	TU1006HNO-2x10K	9.00	11.70
30	TU1006HNO-2x15K	14.00	16.70
40	TU1006HNO-2x20K	19.00	21.70
50	TU1006HNO-2x25K	24.00	26.70

Wafer

Vertical Single Row SMT Type

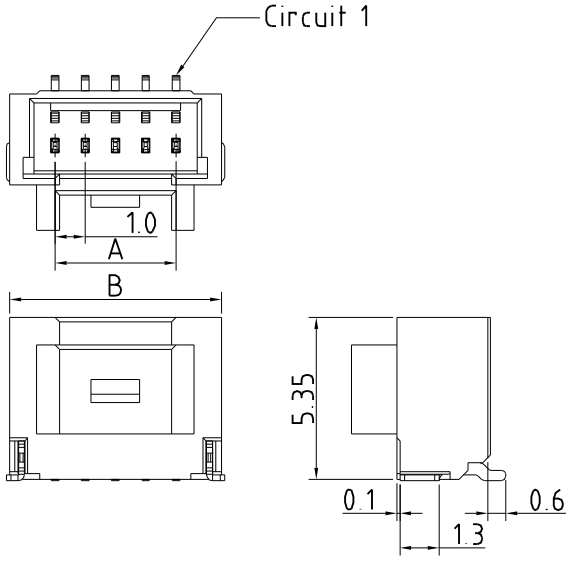
Features

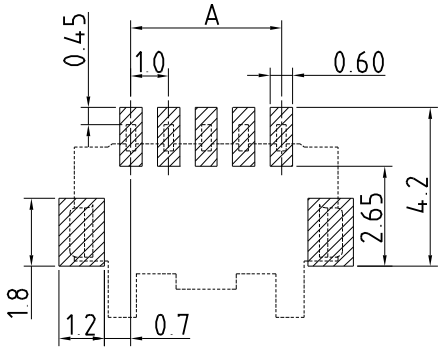
Available Number of Circuits : 1x02 - 1x05

Material : High Temperature Thermoplastic 94V-0

Contact: 0.25mm(.009") Copper Alloy , Tin-plated

Mates with : TU1006 Series Single Row Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
02	TU1006WNV-1x02SK-*-*	1.00	4.00
03	TU1006WNV-1x03SK-*-*	2.00	5.00
04	TU1006WNV-1x04SK-*-*	3.00	6.00
05	TU1006WNV-1x05SK-*-*	4.00	7.00

TU1006 SERIES

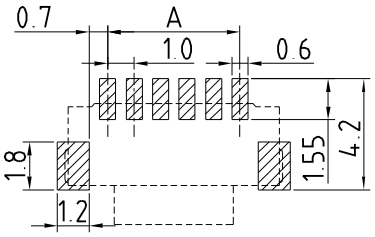
1.00mm Pitch Wire To Board Connector

Unit : mm

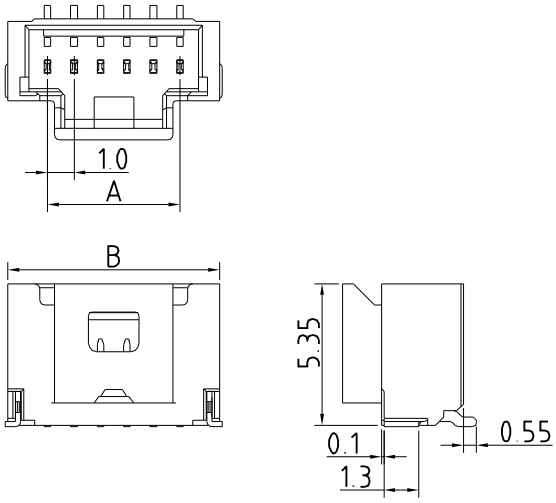
Wafer — Vertical Single Row SMT Type

Features

Available Number of Circuits : 1x06 - 1x15
Material : High Temperature Thermoplastic 94V-0
Contact: 0.25mm(.009") Copper Alloy , Tin-plated
Mates with : TU1006 Single Row Series A Type Housing



P.C.B LAYOUT



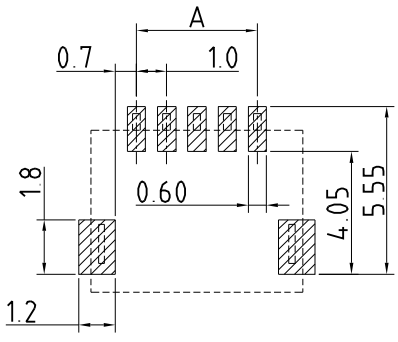
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
06	TU1006WNV-1x066K-*1*	5.00	8.00
07	TU1006WNV-1x076K-*1*	6.00	9.00
08	TU1006WNV-1x086K-*1*	7.00	10.00
09	TU1006WNV-1x096K-*1*	8.00	11.00
10	TU1006WNV-1x106K-*1*	9.00	12.00
11	TU1006WNV-1x116K-*1*	10.00	13.00
12	TU1006WNV-1x126K-*1*	11.00	14.00
13	TU1006WNV-1x136K-*1*	12.00	15.00
14	TU1006WNV-1x146K-*1*	13.00	16.00
15	TU1006WNV-1x156K-*1*	14.00	17.00

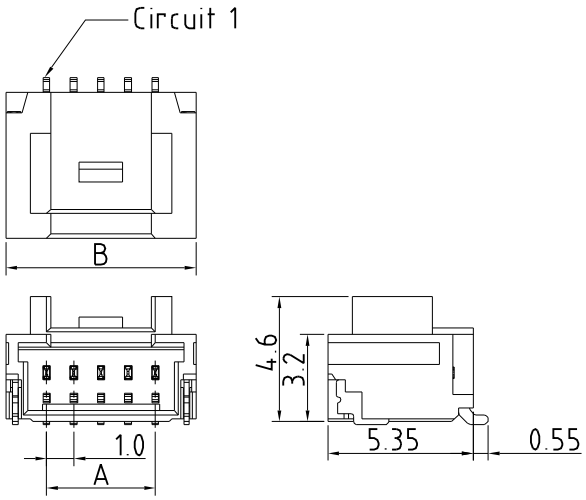
Wafer — Right Angle Single Row SMT Type

Features

Available Number of Circuits : 1x03 - 1x05
Material : High Temperature Thermoplastic 94V-0
Contact: 0.25mm(.009") Copper Alloy , Tin-plated
Mates with : TU1006 Single Row Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
02	TU1006WNR-1x02SK-*-*	1.00	4.00
03	TU1006WNR-1x03SK-*-*	2.00	5.00
04	TU1006WNR-1x04SK-*-*	3.00	6.00
05	TU1006WNR-1x05SK-*-*	4.00	7.00

TU1006 SERIES

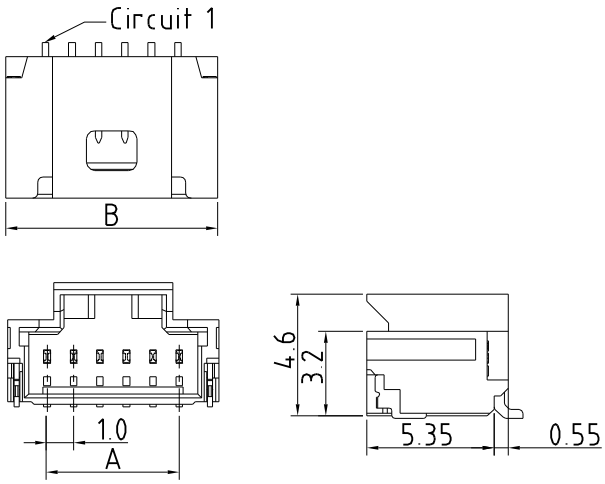
1.00mm Pitch Wire To Board Connector

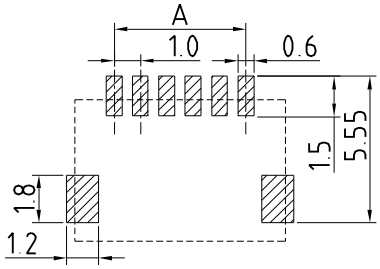
Unit : mm

Wafer — Right Angle Single Row SMT Type

Features

Available Number of Circuits : 1x06 - 1x15
Material : High Temperature Thermoplastic 94V-0
Contact: 0.25mm(.009") Copper Alloy , Tin-plated
Mates with : TU1006 Single Row Series A Type Housing





P.C.B LAYOUT

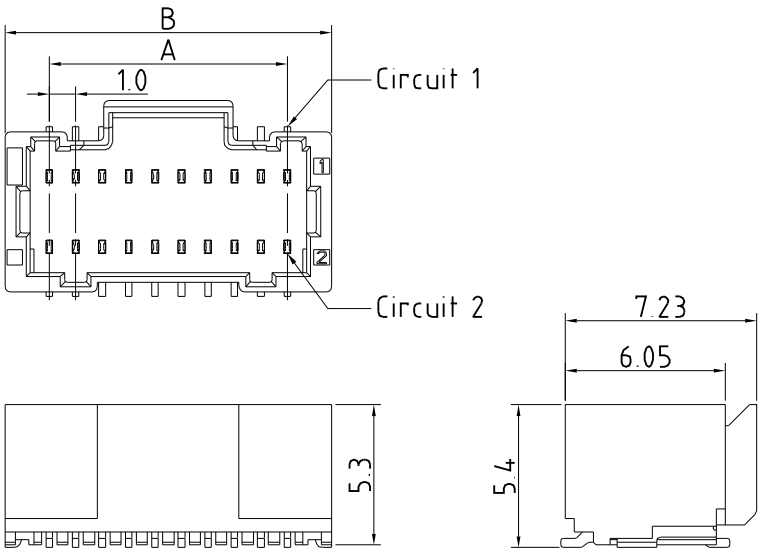
Dimension and Order Information

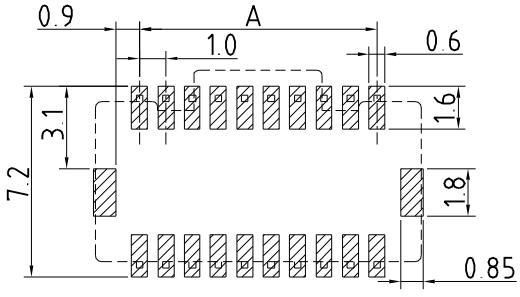
Circuits	Part No.	DIM.(mm)	
		A	B
06	TU1006WNR-1x065K-*1*	5.00	8.00
07	TU1006WNR-1x075K-*1*	6.00	9.00
08	TU1006WNR-1x085K-*1*	7.00	10.00
09	TU1006WNR-1x095K-*1*	8.00	11.00
10	TU1006WNR-1x105K-*1*	9.00	12.00
11	TU1006WNR-1x115K-*1*	10.00	13.00
12	TU1006WNR-1x125K-*1*	11.00	14.00
13	TU1006WNR-1x135K-*1*	12.00	15.00
14	TU1006WNR-1x145K-*1*	13.00	16.00
15	TU1006WNV-1x155K-*1*	14.00	17.00

Wafer — Vertical Dual Row SMT Type

Features

Available Number of Circuits : 2x10 - 2x25
Material : High Temperature Thermoplastic 94V-0
Contact: 0.25mm(.009") Copper Alloy , Tin-plated
Mates with : TU1006 Series Dual Row Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
20	TU1006WNV-2x107K-*00	9.00	12.35
30	TU1006WNV-2x157K-*00	14.00	17.35
40	TU1006WNV-2x207K-*00	19.00	22.35
50	TU1006WNV-2x257K-*00	24.00	27.35

TU1006 SERIES

1.00mm Pitch Wire To Board Connector

Unit : mm

Wafer

Right Angle Dual Row SMT Type

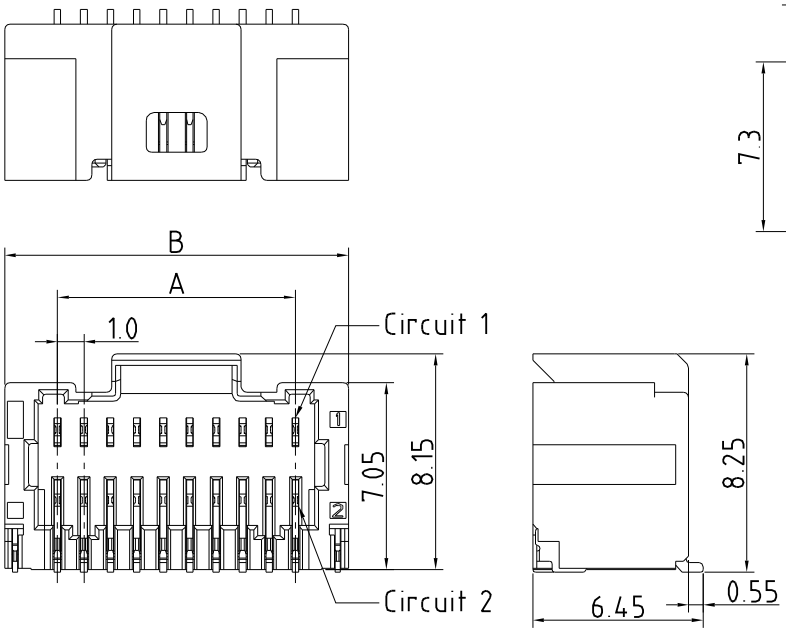
Features

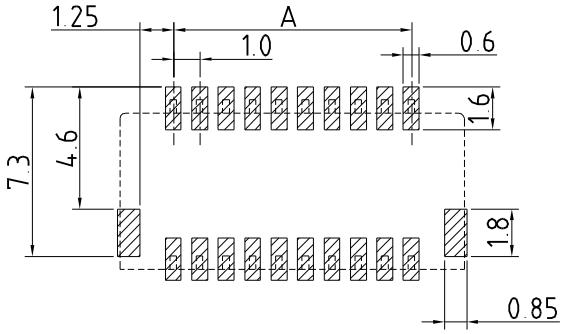
Available Number of Circuits :

Material : High Temperature Thermoplastic 94V-0

Contact: 0.25mm(.009") Copper Alloy , Tin-plated

Mates with : TU1006 Series Dual Row Housing





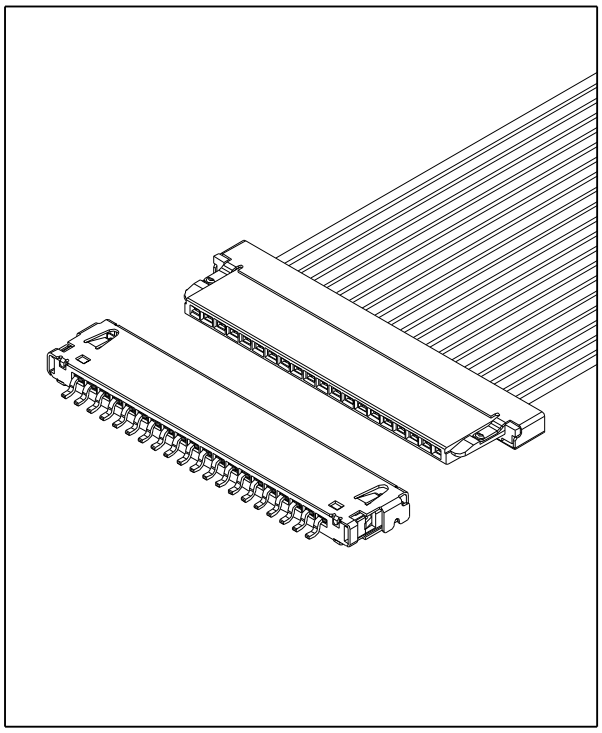
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
20	TU1006WNR-2x105K-*00	9.00	13.00
30	TU1006WNR-2x155K-*00	14.00	18.00
40	TU1006WNR-2x205K-*00	19.00	23.00
50	TU1006WNR-2x255K-*00	24.00	28.00

TU1007 SERIES

1.00mm Pitch Wire To Board Connector

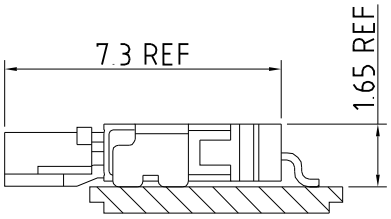


Specification

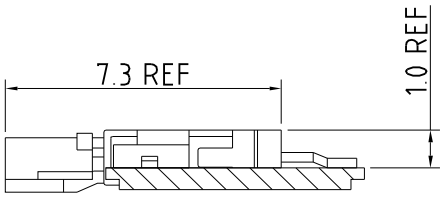
Circuits	8,14,20,30
Pitch	1.00mm
Current Rating	1A AC/DC
Voltage Rating	100V AC/DC
Contact Resistance	30mΩ MAX.
Withstand Voltage	300V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #28 - #34

Assembly Layout

Right Angle SMT Type



Right Angle SMT
Inside Type



TU1007 * - NP * - * - * - *
① ② ③ ④ ⑤ ⑥ ⑦

① Part No. TU1007	④ Mount Type SBA : SMT-Type Wafer With Shield SIB : SMT Inside-Type Wafer With Shield	⑥ Material Code Blank : As Specified S1 : Phosphor bronze Tin-plated
② Connection Type: HNO : Terminal Socket WNR : Right Angle Wafer		⑦ Product Color Blank : As Specified C* : Color of number
③ Number of Contacts: NP : Circuits	⑤ Contact Plating Code Blank : As Specified	

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1007 SERIES

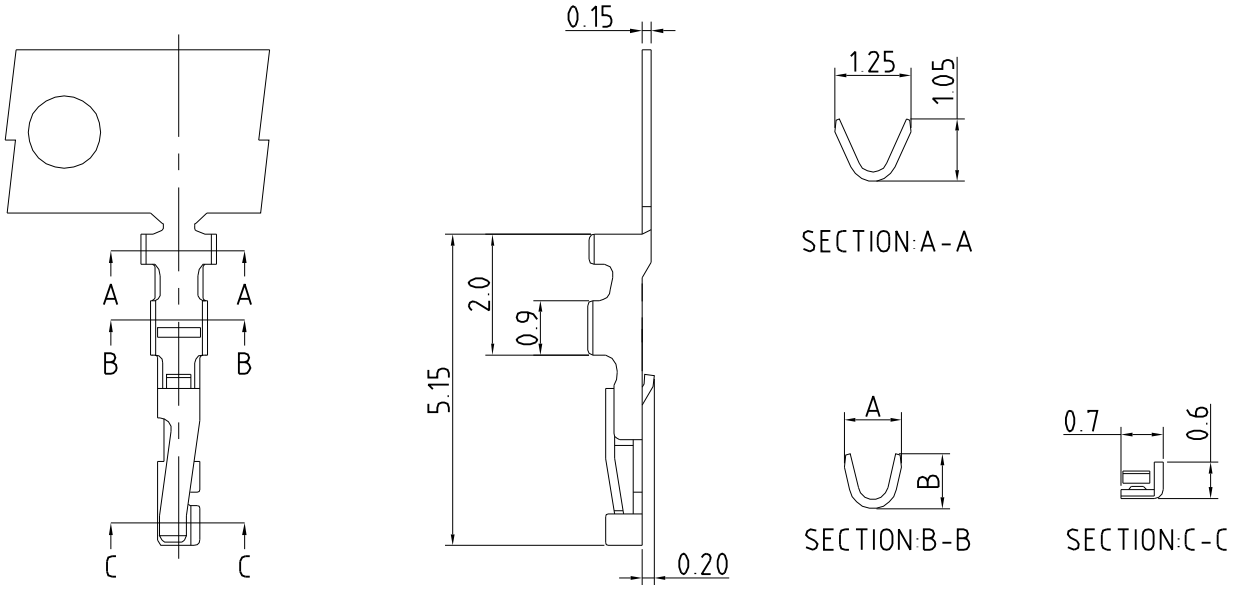
1.00mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU1007 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)		Material	Finish	Q'ty/Reel
			A	B			
TU1007TPH-*	AWG #28-#30	0.60mm(MAX.)	1.05	1.15	Phosphor bronze	See note	15,000pcs
TU1007TPL-*	AWG #32-#34	0.40mm(MAX.)	0.95	0.90			20,000pcs

Note:

For this product in a different specification please contact TYU for more information

Housing

With Shield

Features

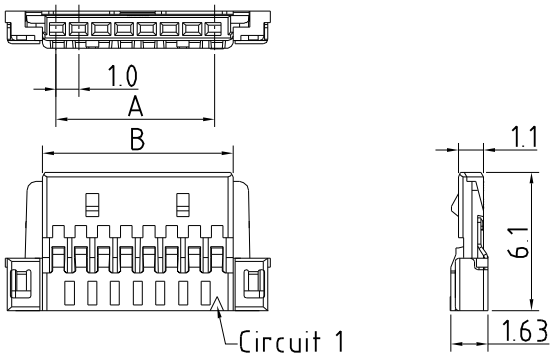
Available Number of Circuits: 08,14,20,30

Material: High Temperature Thermoplastic 94V-0 or
Regular Thermoplastic 94V-0

Shield : Copper Alloy , Tin-plated

Use with: TU1007 Crimp Terminal

Mates with : TU1007 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
8	TU1007HNO-08-*-*	7.00	8.40
14	TU1007HNO-14-*-*	13.00	14.40
20	TU1007HNO-20-*-*	19.00	20.40
30	TU1007HNO-30-*-*	29.00	30.40

TU1007 SERIES

1.00mm Pitch Wire To Board Connector

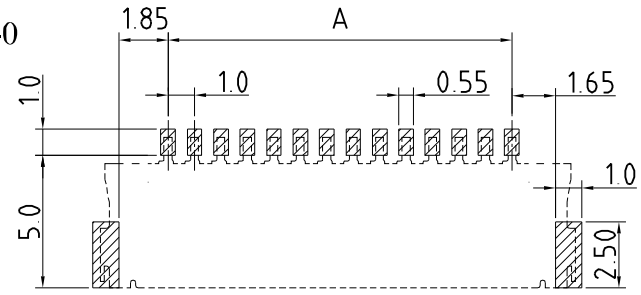
Unit : mm

Wafer

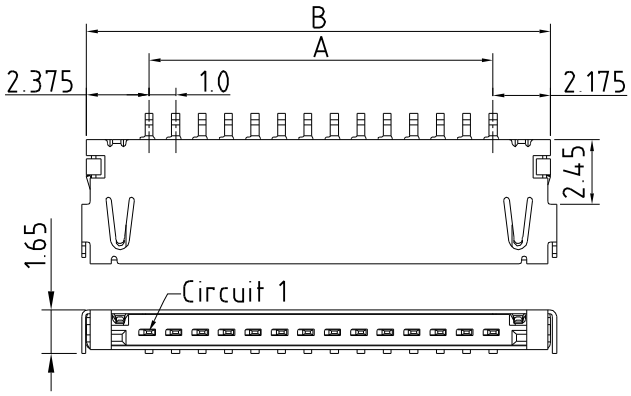
With Shield Right Angle SMT Type

Features

Available Number of Circuits : 08,14,20,30
Material : High Temperature Thermoplastic 94V-0
Contact : 0.20mm(.008") Copper Alloy, Tin-plated
Mates with : TU1007 Series Housing



P.C.B LAYOUT



Dimension and Order Information

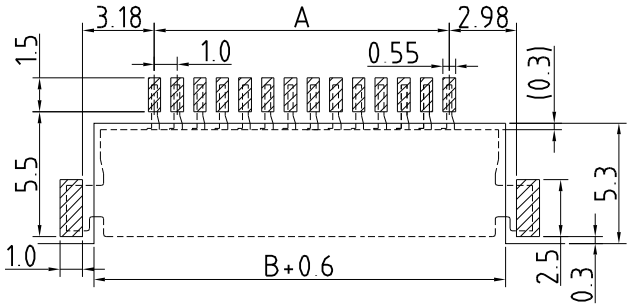
Circuits	Part No.	DIM.(mm)	
		A	B
8	TU1007WNR-08SBA-*-*	7.00	11.55
14	TU1007WNR-14SBA-*-*	13.00	17.55
20	TU1007WNR-20SBA-*-*	19.00	23.55
30	TU1007WNR-30SBA-*-*	29.00	33.55

Wafer

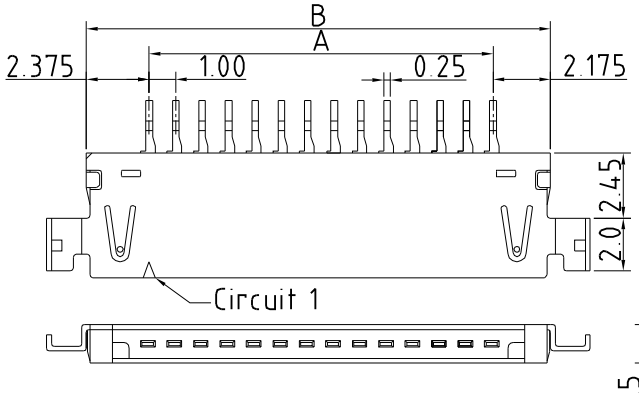
With Shield Right Angle Inside SMT Type

Features

Available Number of Circuits : 08,14,20,30
Material : High Temperature Thermoplastic 94V-0
Contact : 0.20mm(.008") Copper Alloy, Tin-plated
Mates with : TU1007 Series Housing



P.C.B LAYOUT

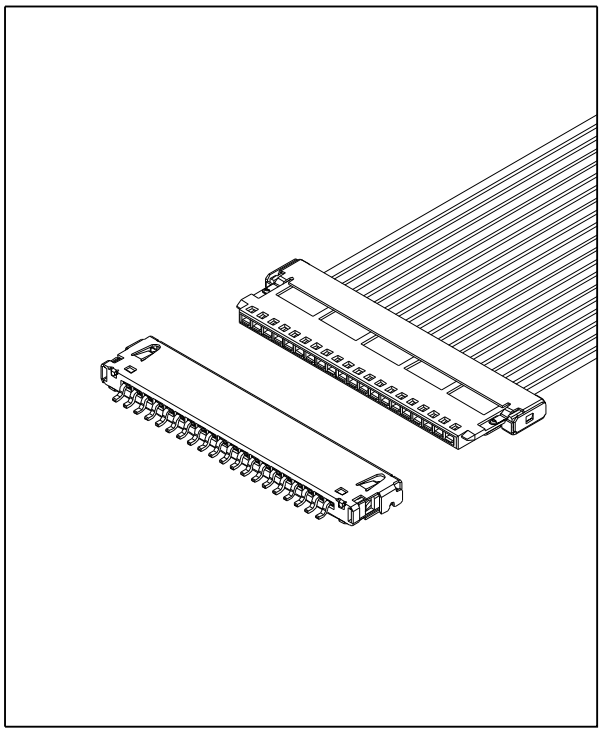


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
8	TU1007WNR-08SIB-*-*	7.00	11.55
14	TU1007WNR-14SIB-*-*	13.00	17.55
20	TU1007WNR-20SIB-*-*	19.00	23.55
30	TU1007WNR-30SIB-*-*	29.00	33.55

TS1007 SERIES

1.00mm Pitch Wire To Board Connector

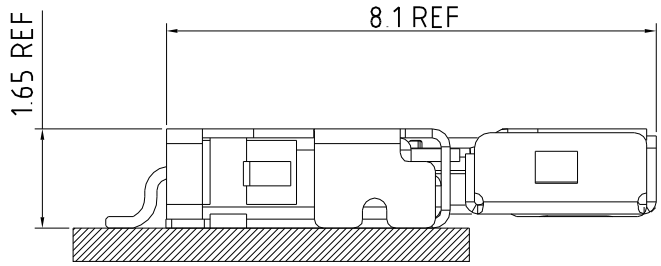


Specification

Circuits	8,14,20,30
Pitch	1.00mm
Current Rating	0.5A AC/DC
Voltage Rating	100V AC/DC
Contact Resistance	30mΩ MAX.
Withstand Voltage	300V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #40

Assembly Layout

Right Angle SMT Type



TS1007 * - NP - *
① ② ③ ④

① Part No. TS1007	④ Contact Plating Code GO : Gold-flash G*: Gold *u" Over Nickel	
② Connection Type: HNO : Terminal Socket		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TS1007 SERIES

1.00mm Pitch Wire To Board Connector

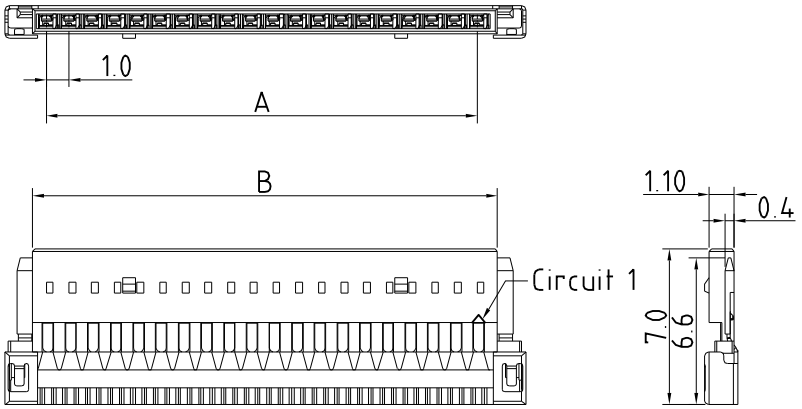
Unit : mm

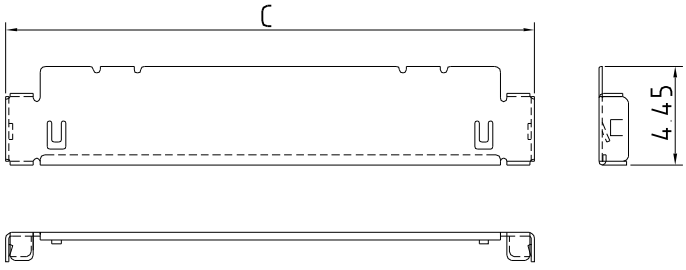
Housing

Soldering Type

Features

Available Number of Circuits: 8,14,20,30
Material: High Temperature Thermoplastic 94V-0
Contact: 0.15mm(.006"), Copper Alloy, Gold plated
Shield: Copper Alloy, Tin-plated
Mates with: TU1007 Series Wafer





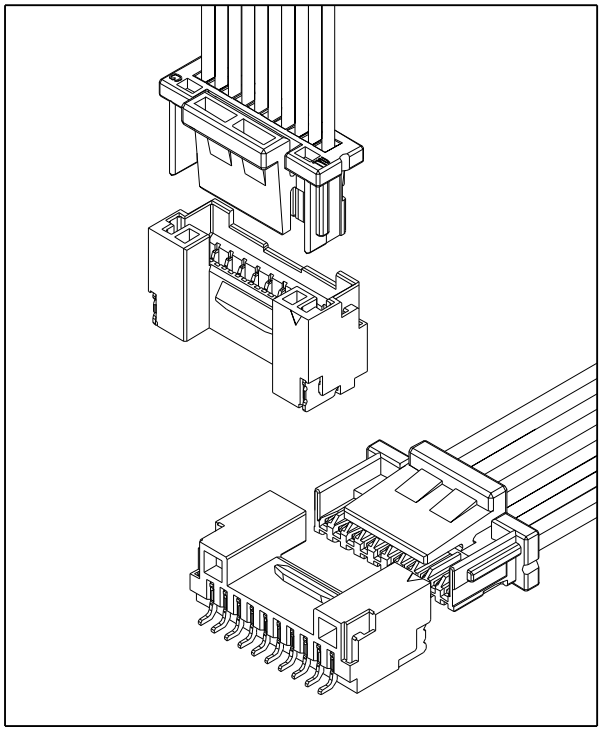
FRONT SHELL
TS1007EMIPF-NP

Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
08	TS1007HNO-08-*-*	7.00	8.50	11.33
14	TS1007HNO-14-*-*	13.00	14.50	17.33
20	TS1007HNO-20-*-*	19.00	20.50	23.33
30	TS1007HNO-30-*-*	29.00	30.50	33.33

TU1011 SERIES

1.00mm Pitch Wire To Board Connector

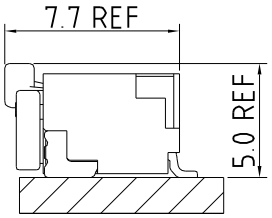


Specification

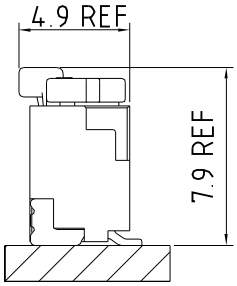
Circuits	1x02 ~ 1x15
Pitch	1.00mm
Current Rating	1A AC/DC
Voltage Rating	50V AC/DC
Contact Resistance	30mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-40°C ~ +105°C
Applicable Wire Range	AWG #28 ~ #32

Assembly Layout

Right Angle SMT Type



Vertical SMT Type



TU1011 * - 1xNP * * - * 0 *
① ② ③ ④⑤ ⑥ ⑦

TU1011 HNO - 1xNP *
① ② ③ ④

① Part No. TU1011	④ Mount Type 5: SMT-Type Wafer without mylar 6: SMT-Type Wafer with mylar K: With latch Type(HNO)	⑥ Contact Plating Code A: Matte-Tin over Nickel 0: Gold-flash over Nickel
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer	⑤ Mount Type K: With latch Type	
③ Number of Contacts: 1xNP : Single row		⑦ Product Color 0: Black 1: Natural

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1011 SERIES

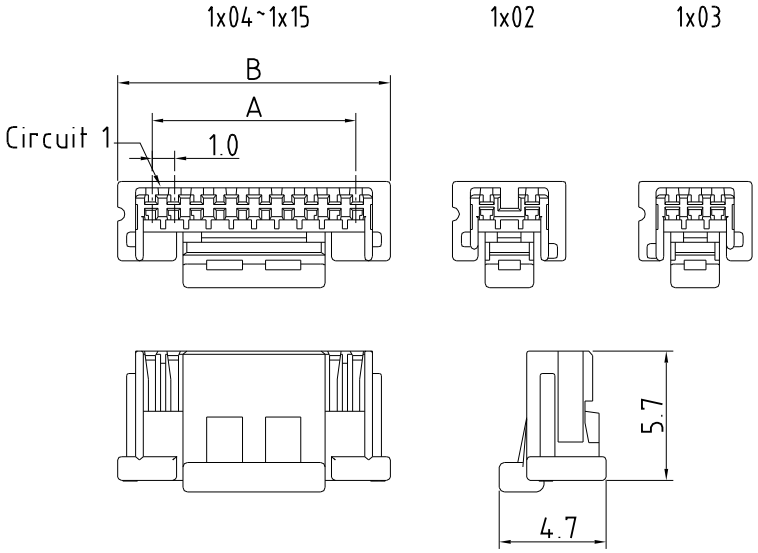
1.00mm Pitch Wire To Board Connector

Unit : mm

Housing

Features

Available Number of Circuits : 1x02 ~ 1x15
Material : Thermoplastic 94V-0
Use with : TU1211T*L-* Crimp Terminal
Mates with : TU1011 Series Wafer



Dimension and Order Information

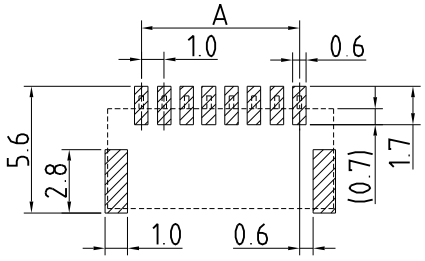
Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1011HNO-1X02K	2.00	5.00
3	TU1011HNO-1X03K	2.00	5.00
4	TU1011HNO-1X04K	3.00	6.00
5	TU1011HNO-1X05K	4.00	7.00
6	TU1011HNO-1X06K	5.00	8.00
7	TU1011HNO-1X07K	6.00	9.00
8	TU1011HNO-1X08K	7.00	10.00
9	TU1011HNO-1X09K	8.00	11.00
10	TU1011HNO-1X10K	9.00	12.00
11	TU1011HNO-1X11K	10.00	13.00
12	TU1011HNO-1X12K	11.00	14.00
13	TU1011HNO-1X13K	12.00	15.00
14	TU1011HNO-1X14K	13.00	16.00
15	TU1011HNO-1X15K	14.00	17.00

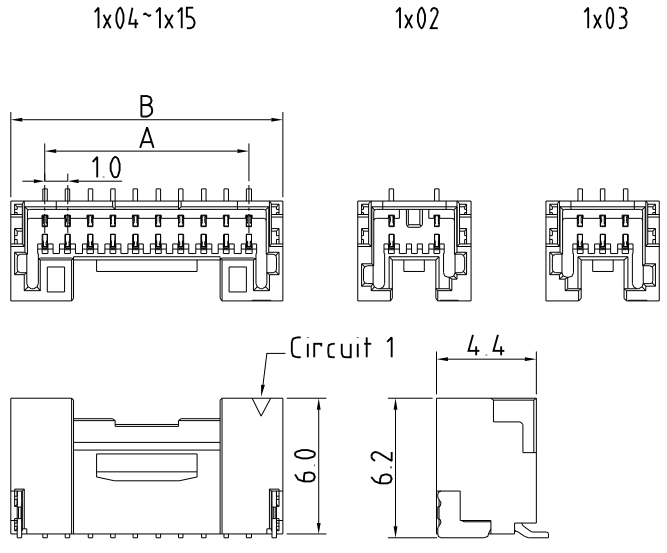
Wafer

Vertical SMT Type

Features

Available Number of Circuits : 1x02 ~ 1x15
Material : High Temperature Thermoplastic 94V-0
Contact : 0.2mm(.008") Flat Pin Copper alloy,Tin-plated
Mates with : TU1011HNO-1xNPK Series Housing





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1011WNV-1x026K-*0*	2.00	5.00
3	TU1011WNV-1x036K-*0*	2.00	5.00
4	TU1011WNV-1x046K-*0*	3.00	6.00
5	TU1011WNV-1x056K-*0*	4.00	7.00
6	TU1011WNV-1x066K-*0*	5.00	8.00
7	TU1011WNV-1x076K-*0*	6.00	9.00
8	TU1011WNV-1x086K-*0*	7.00	10.00
9	TU1011WNV-1x096K-*0*	8.00	11.00
10	TU1011WNV-1x106K-*0*	9.00	12.00
11	TU1011WNV-1x116K-*0*	10.00	13.00
12	TU1011WNV-1x126K-*0*	11.00	14.00
13	TU1011WNV-1x136K-*0*	12.00	15.00
14	TU1011WNV-1x146K-*0*	13.00	16.00
15	TU1011WNV-1x156K-*0*	14.00	17.00

TU1011 SERIES

1.00mm Pitch Wire To Board Connector

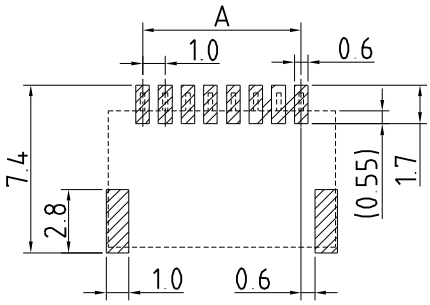
Unit : mm

Wafer

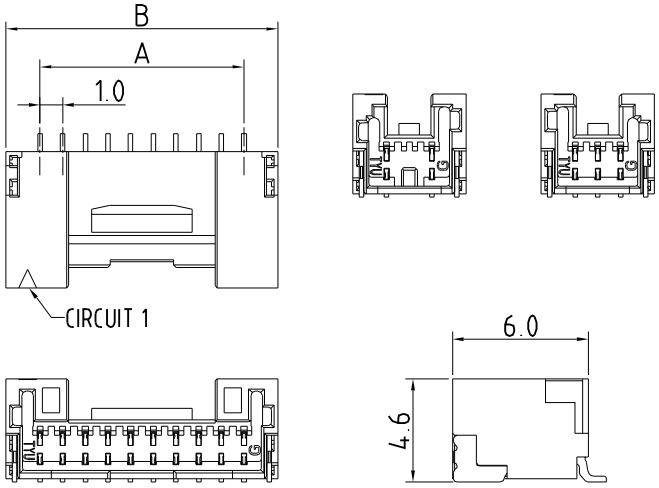
Right Angle SMT Type

Features

Available Number of Circuits : 1x02 ~ 1x15
Material : High Temperature Thermoplastic 94V-0
Contact : 0.2mm(.008") Flat Pin Copper alloy, Tin-plated
Mates with : TU1011HNO-1xNPK Series Housing



1x04~1x15 1x02 1x03

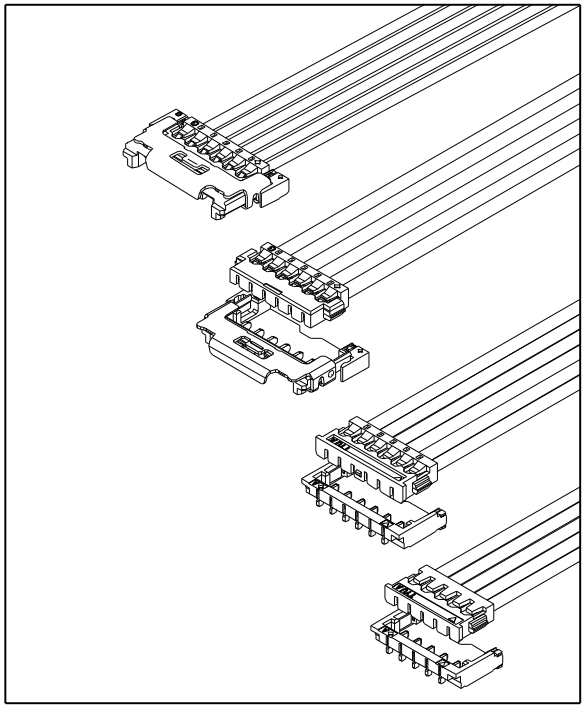


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1011WNR-1x025K-*0*	2.00	5.00
3	TU1011WNR-1x035K-*0*	2.00	5.00
4	TU1011WNR-1x045K-*0*	3.00	6.00
5	TU1011WNR-1x055K-*0*	4.00	7.00
6	TU1011WNR-1x065K-*0*	5.00	8.00
7	TU1011WNR-1x075K-*0*	6.00	9.00
8	TU1011WNR-1x085K-*0*	7.00	10.00
9	TU1011WNR-1x095K-*0*	8.00	11.00
10	TU1011WNR-1x105K-*0*	9.00	12.00
11	TU1011WNR-1x115K-*0*	10.00	13.00
12	TU1011WNR-1x125K-*0*	11.00	14.00
13	TU1011WNR-1x135K-*0*	12.00	15.00
14	TU1011WNR-1x145K-*0*	13.00	16.00
15	TU1011WNR-1X155K-*0*	14.00	17.00

TU1202 SERIES

1.20mm Pitch Wire To Board Connector



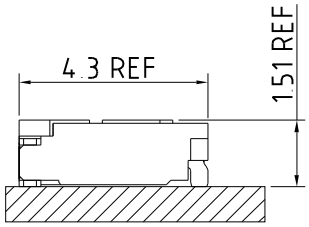
Specification

Circuits	02 - 12
Pitch	1.20mm
Current Rating	3.0A AC/DC (AWG#26) 2.5A AC/DC (AWG#28) 1.0A AC/DC (AWG#30)
	3.0A AC/DC (AWG#28) (High current 4P)
Voltage Rating	50V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #26 - #30

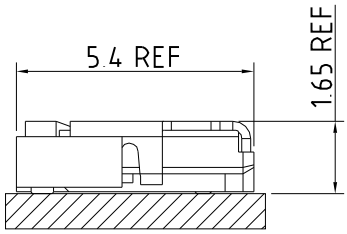
TU1202

Assembly Layout

Vertical Angle Type



Vertical Angle SMT With Lock Type



Part No. 1 TU1202 * - NP * - *
① ② ③ ④ ⑤

Part No. 2 TU1202 *-NP 02 01 H 1 6
① ② ③ ④ ⑤

① Part No. TU1202

② Connection Type:
HNO : Terminal Socket
WNV : Vertical Wafer
WGV : High Current Vertical Wafer

③ Number of Contacts:
NP : Circuits

④ Mount Type
(Part No. 1) SA : SMT A Type Wafer
(Part No. 2) 02 : SMT With Latch Type Wafer

⑤ Finish
Black: As Specified
(Part No. 1) GO : Gold flash over Nickel
(Part No. 2) 01 : Gold flash over Nickel

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1202 SERIES

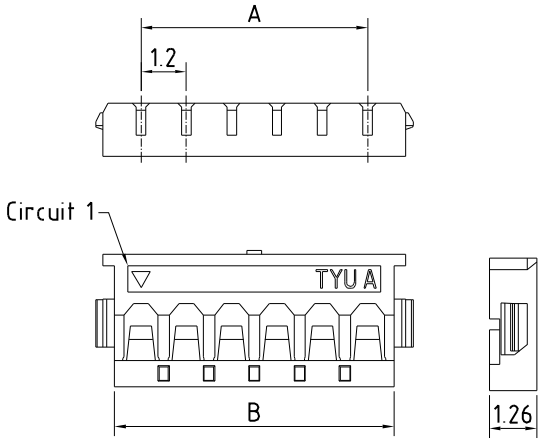
1.20mm Pitch Wire To Board Connector

Unit : mm

Housing

Features

Available Number of Circuits: 02-12
Material: Regular Thermoplastic 94V-0
Use with: TU1203 Crimp Terminal
Mates with : TU1202 Series Wafer



Dimension and Order Information

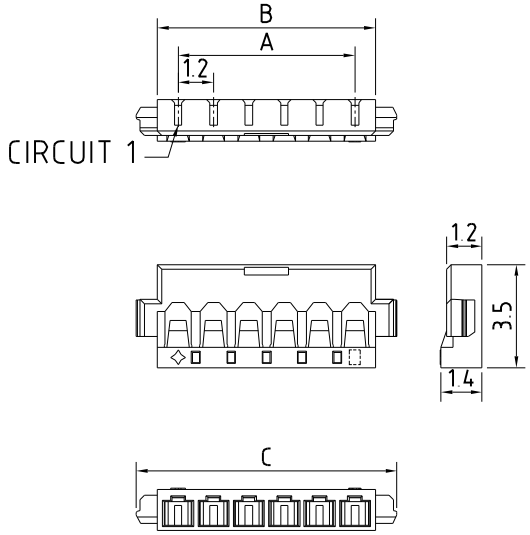
Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1202HNO-02*-M0-NL	1.20	2.60
3	TU1202HNO-03*-M0-NL	2.40	3.80
4	TU1202HNO-04*-M0-NL	3.60	5.00
5	TU1202HNO-05*-M0-NL	4.80	6.20
6	TU1202HNO-06*-M0-NL	6.00	7.40
7	TU1202HNO-07*-M0-NL	7.20	8.60
8	TU1202HNO-08*-M0-NL	8.40	9.80
9	TU1202HNO-09*-M0-NL	9.60	11.00
10	TU1202HNO-10*-M0-NL	10.80	12.20
11	TU1202HNO-11*-M0-NL	12.00	13.40
12	TU1202HNO-12*-M0-NL	13.20	14.60

Housing

K-Type Housing

Features

Available Number of Circuits: 02-12
Material: Regular Thermoplastic 94V-0
Use with: TU1203 Crimp Terminal
Mates with : TU1202 Series K Type Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	B
2	TU1202HNO-02K-M0-NL	1.20	2.60	4.04
3	TU1202HNO-03K-M0-NL	2.40	3.80	5.24
4	TU1202HNO-04K-M0-NL	3.60	5.00	6.44
5	TU1202HNO-05K-M0-NL	4.80	6.20	7.64
6	TU1202HNO-06K-M0-NL	6.00	7.40	8.84
7	TU1202HNO-07K-M0-NL	7.20	8.60	10.04
8	TU1202HNO-08K-M0-NL	8.40	9.80	11.24
9	TU1202HNO-09K-M0-NL	9.60	11.00	12.44
10	TU1202HNO-10K-M0-NL	10.80	12.20	13.64
11	TU1202HNO-11K-M0-NL	12.00	13.40	14.84
12	TU1202HNO-12K-M0-NL	13.20	14.60	16.04

TU1202 SERIES

1.20mm Pitch Wire To Board Connector

Unit : mm

Wafer

Vertical SMT Type

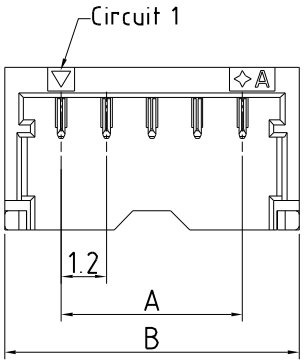
Features

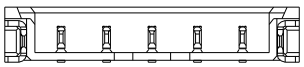
Available Number of Circuits : 02-12

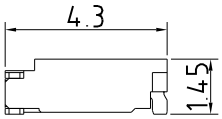
Material : High Temperature Thermoplastic 94V-0

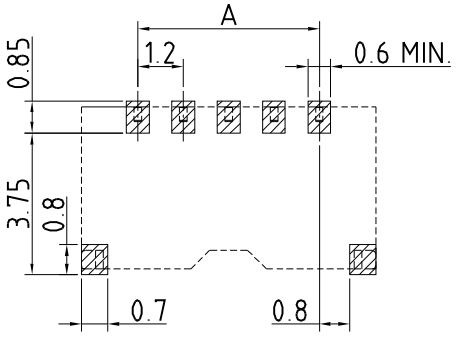
Contact : WNV:0.20mm(.008") Copper Alloy, Gold flash
WGV:0.20mm(.008") High Current, Gold flash

Mates with : TU1202 Series Housing









P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1202W*V-02SA-*-*	1.20	4.20
3	TU1202W*V-03SA-*-*	2.40	5.40
4	TU1202W*V-04SA-*-*	3.60	6.60
5	TU1202W*V-05SA-*-*	4.80	7.80
6	TU1202W*V-06SA-*-*	6.00	9.00
7	TU1202W*V-07SA-*-*	7.20	10.20
8	TU1202W*V-08SA-*-*	8.40	11.40
9	TU1202W*V-09SA-*-*	9.60	12.60
10	TU1202W*V-10SA-*-*	10.80	13.80
11	TU1202W*V-11SA-*-*	12.00	15.00
12	TU1202W*V-12SA-*-*	13.20	16.20

Wafer

Vertical SMT K Type Wafer

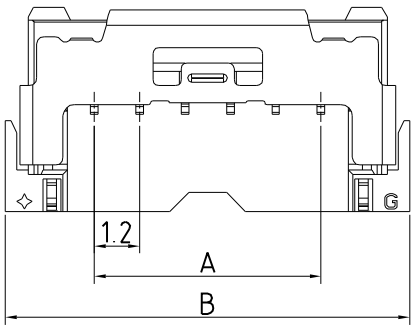
Features

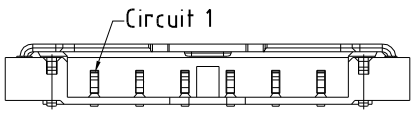
Available Number of Circuits : 02-12

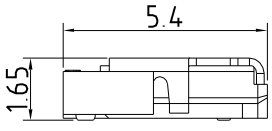
Material : High Temperature Thermoplastic 94V-0

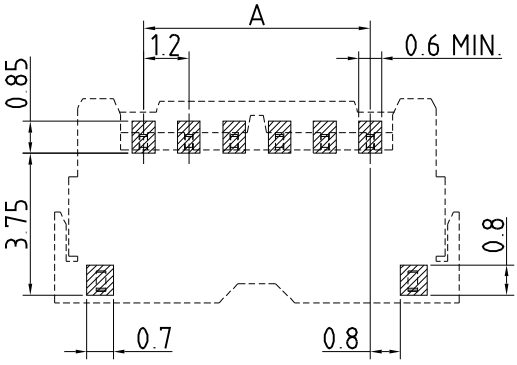
Contact : 0.20mm(.008") Copper Alloy, Gold flash

Mates with : TU1202 Series K-Type Housing









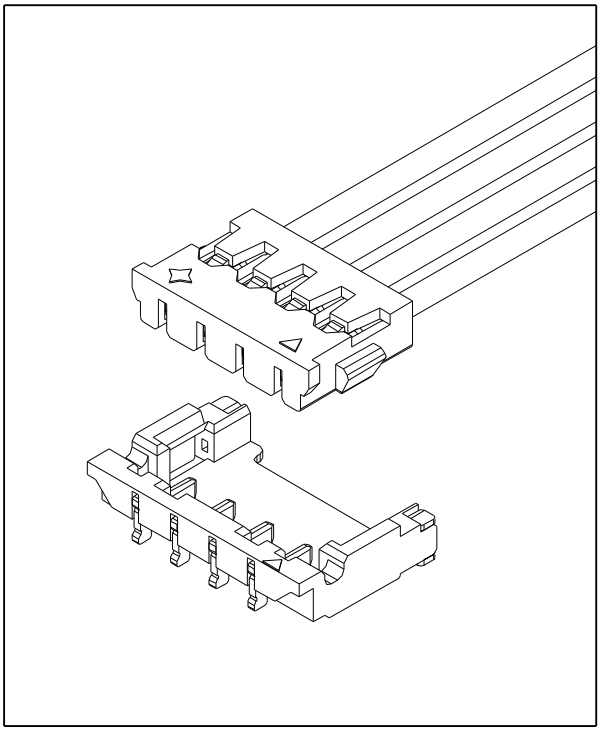
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1202WNV-020201H16	1.20	5.90
3	TU1202WNV-030201H16	2.40	7.10
4	TU1202WNV-040201H16	3.60	8.30
5	TU1202WNV-050201H16	4.80	9.50
6	TU1202WNV-060201H16	6.00	10.70
7	TU1202WNV-070201H16	7.20	11.90
8	TU1202WNV-080201H16	8.40	13.10
9	TU1202WNV-090201H16	9.60	14.30
10	TU1202WNV-100201H16	10.80	15.50
11	TU1202WNV-110201H16	12.00	16.70
12	TU1202WNV-120201H16	13.20	17.90

TU1203 SERIES

1.20mm Pitch Wire To Board Connector

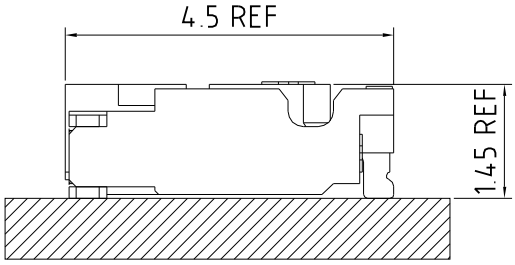


Specification

Circuits	01 - 06
Pitch	1.20mm
Current Rating	2.0A AC/DC(AWG#28)
Voltage Rating	50V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #26 - #30

Assembly Layout

Vertical Type



TU1203 * - NP * - *
① ② ③ ④ ⑤

① Part No. TU1203	④ Mount Type SA : SMT A Type Wafer	
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer	⑤ Finish Black: As Specified GO: Gold Flash Over Nickel	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1203 SERIES

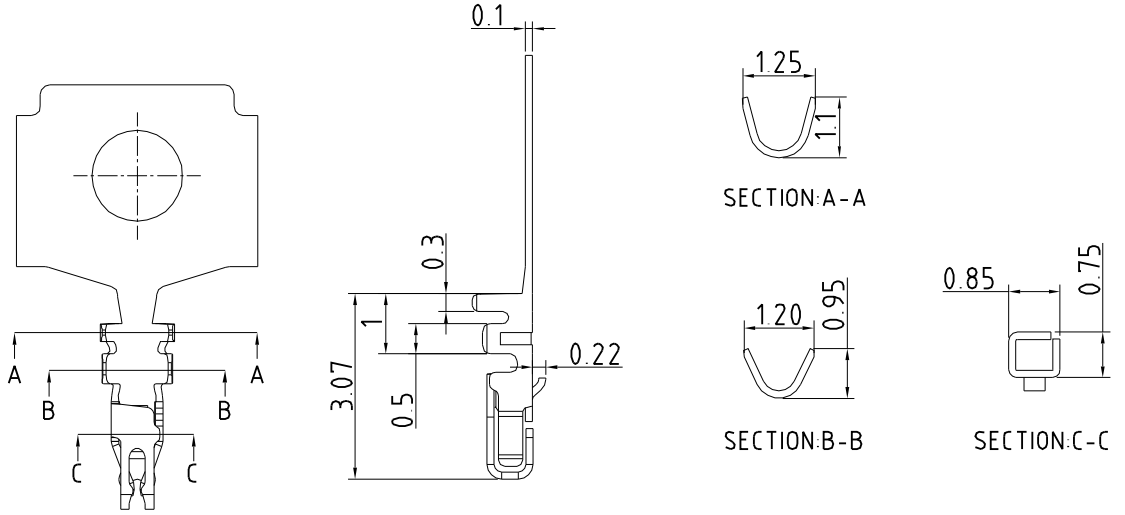
1.20mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU1203 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU1203TPO-*	AWG#26~#30	0.70mm MAX.	Phosphor bronze	See note	20,000 pcs

Note:

For this product in a different specification please contact TYU for more information

Housing

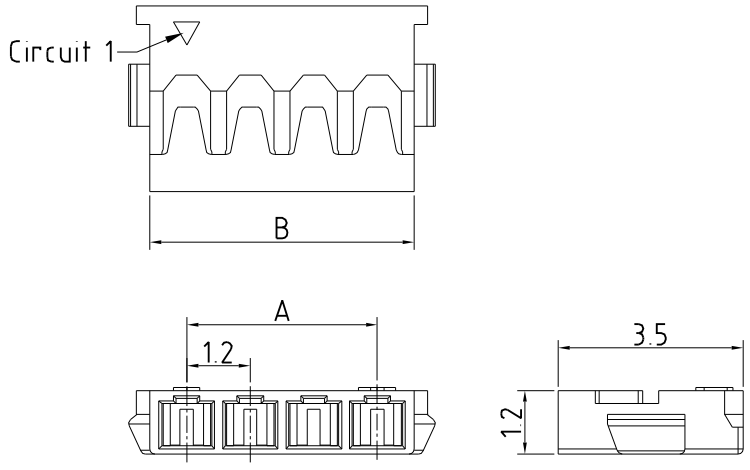
Features

Available Number of Circuits: 01-06

Material: Regular Thermoplastic 94V-0

Use with: TU1203 Crimp Terminal

Mates with : TU1203 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
1	TU1203HNO-01-NL	--	1.40
2	TU1203HNO-02-NL	1.20	2.60
3	TU1203HNO-03-NL	2.40	3.80
4	TU1203HNO-04-NL	3.60	5.00
5	TU1203HNO-05-NL	4.80	6.20
6	TU1203HNO-06-NL	6.00	7.40

TU1203 SERIES

1.20mm Pitch Wire To Board Connector

Unit : mm

Wafer

Vertical SMT Type

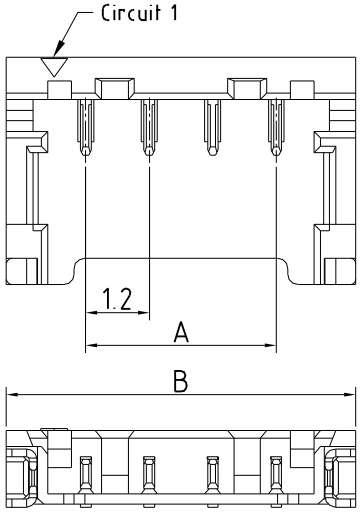
Features

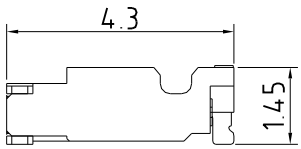
Available Number of Circuits : 01-06

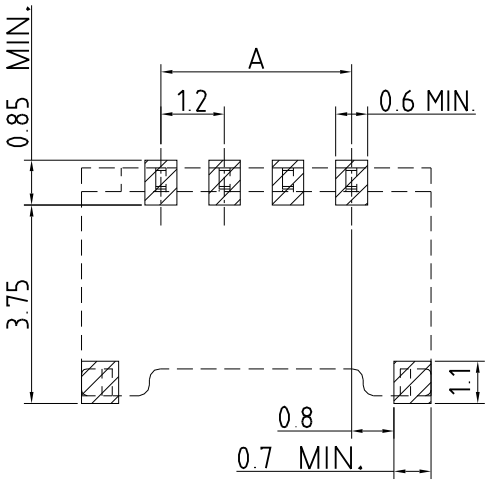
Material : High Temperature Thermoplastic 94V-0

Contact : 0.20mm(.008") Copper Alloy, Gold plated

Mates with : TU1203 Series Housing







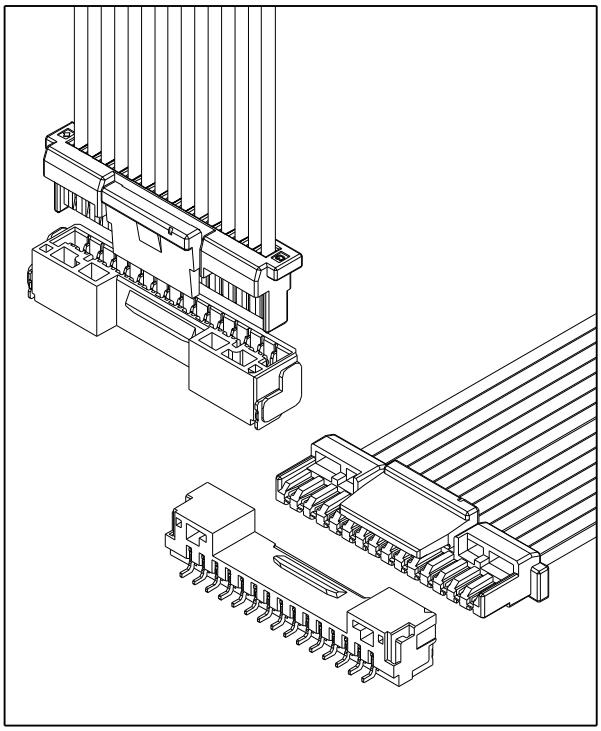
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
1	TU1203WNV-01SA-*-*	--	3.00
2	TU1203WNV-02SA-*-*	1.20	4.20
3	TU1203WNV-03SA-*-*	2.40	5.40
4	TU1203WNV-04SA-*-*	3.60	6.60
5	TU1203WNV-05SA-*-*	4.80	7.80
6	TU1203WNV-06SA-*-*	6.00	9.00

TU1211 SERIES

1.25mm Pitch Wire To Board Connector



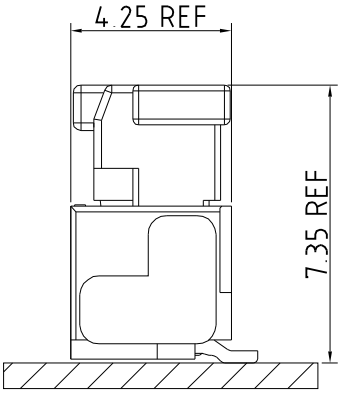
Specification

Circuits	1x02 - 1x15
Pitch	1.25mm
Current Rating	1A AC/DC
Voltage Rating	50V AC/DC
Contact Resistance	30mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #26 - #30

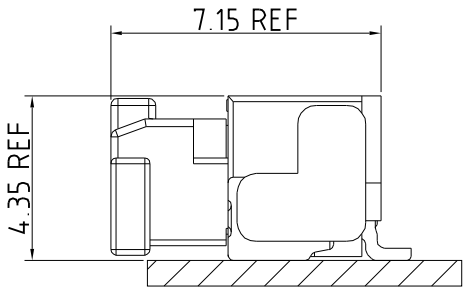
TU1211

Assembly Layout

Vertical Type



Right Angle Type



TU1211 * -1x NP * - * - *
① ② ③ ④ ⑤ ⑥

① Part No. TU1211	④ Mount Type SK: SMT With Lock Type Wafer	⑥ Product Color Blank : As Specified C* : Color of number
② Connection Type: HNO : Terminal Socket WNR : Right Angle Wafer WNV : Vertical Wafer	⑤ Finish Black: As Specified GO : Gold-flash G*: Gold *u" Over Nickel	
③ Number of Contacts: 1xNP : Single Row		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1211 SERIES

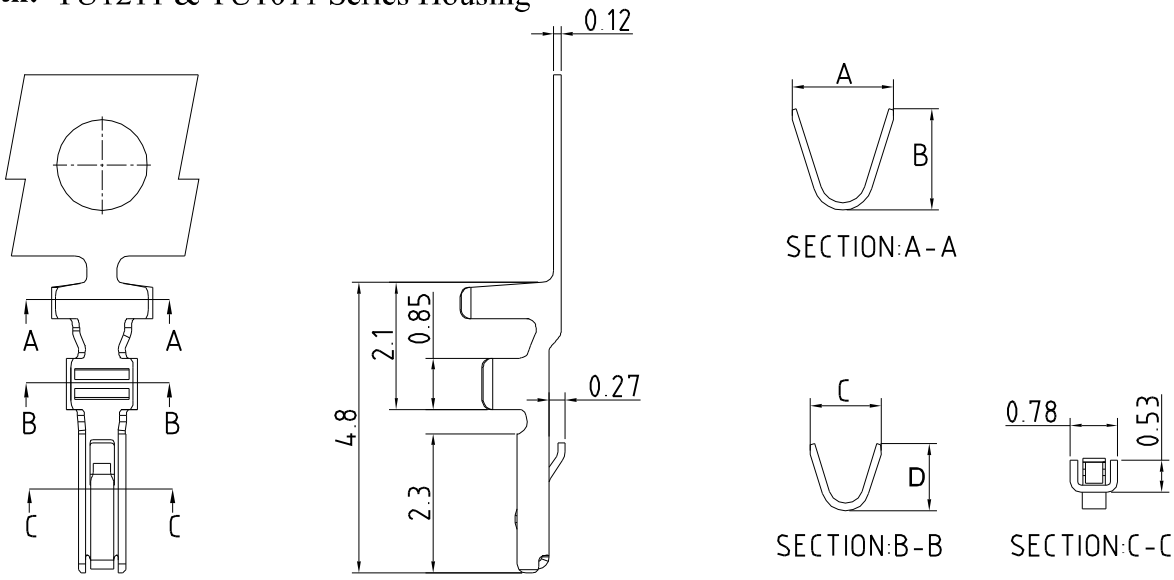
1.25mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU1211 & TU1011 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TU1211TBO-*	AWG #26-#30	1.00mm(MAX.)	1.67	1.67	1.17	1.11	Brass	See note	15,000 pcs
TU1211TPO-*							Phosphor bronze		
TU1211TBL-*	AWG #28-#32	0.80mm(MAX.)	1.3	1.4	1.0	0.9	Brass		
TU1211TPL-*							Phosphor bronze		

Note:
For this product in a different specification please contact TYU for more information

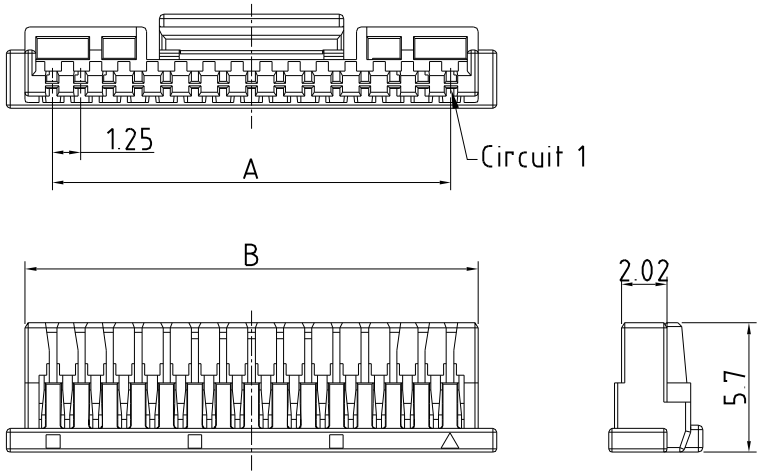
Housing

Features

Available Number of Circuits: 1x02 - 1x15

Material: Regular Thermoplastic 94V-0

Use with: TU1211T*O-* Crimp Terminal



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1211HNO-1x02K-*	1.25	3.75
3	TU1211HNO-1x03K-*	2.50	5.00
4	TU1211HNO-1x04K-*	3.75	6.25
5	TU1211HNO-1x05K-*	5.00	7.50
6	TU1211HNO-1x06K-*	6.25	8.75
7	TU1211HNO-1x07K-*	7.50	10.00
8	TU1211HNO-1x08K-*	8.75	11.25
9	TU1211HNO-1x09K-*	10.00	12.50
10	TU1211HNO-1x10K-*	11.25	13.75
11	TU1211HNO-1x11K-*	12.50	15.00
12	TU1211HNO-1x12K-*	13.75	16.25
13	TU1211HNO-1x13K-*	15.00	17.50
14	TU1211HNO-1x14K-*	16.25	18.75
15	TU1211HNO-1x15K-*	17.50	20.00

TU1211 SERIES

1.25mm Pitch Wire To Board Connector

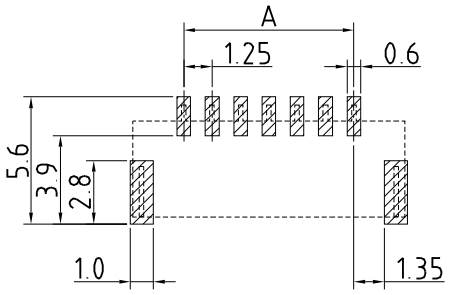
Unit : mm

Wafer

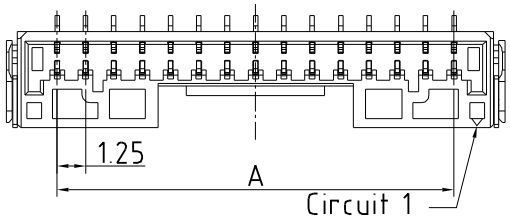
Vertical SMT Type

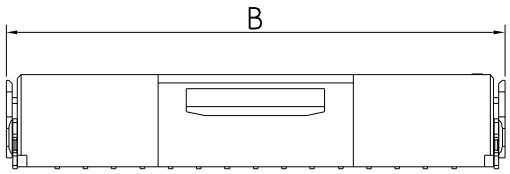
Features

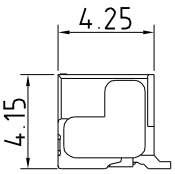
Available Number of Circuits: 1x02 - 1x15
Material: High Temperature Thermoplastic 94V-0
Contact : 0.2mm(.008") Copper Alloy, Tin-plated
Mates with : TU1211 Series Housing



P.C.B LAYOUT







Dimension and Order Information

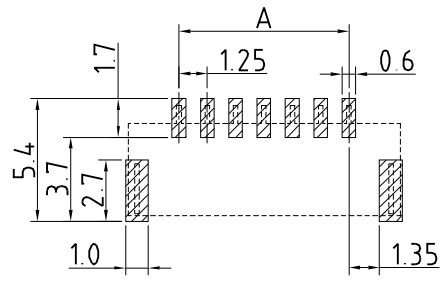
Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1211WNV-1x02SK -*-*	1.25	5.75
3	TU1211WNV-1x03SK -*-*	2.50	7.00
4	TU1211WNV-1x04SK -*-*	3.75	8.25
5	TU1211WNV-1x05SK -*-*	5.00	9.00
6	TU1211WNV-1x06SK -*-*	6.25	10.75
7	TU1211WNV-1x07SK -*-*	7.50	12.00
8	TU1211WNV-1x08SK -*-*	8.75	13.25
9	TU1211WNV-1x09SK -*-*	10.00	14.50
10	TU1211WNV-1x10SK -*-*	11.25	15.75
11	TU1211WNV-1x11SK -*-*	12.50	17.00
12	TU1211WNV-1x12SK -*-*	13.75	18.25
13	TU1211WNV-1x13SK -*-*	15.00	19.50
14	TU1211WNV-1x14SK -*-*	16.25	20.75
15	TU1211WNV-1x15SK -*-*	17.50	22.00

Wafer

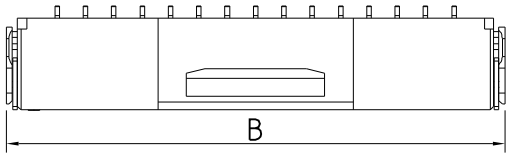
Right Angle SMT TYPE

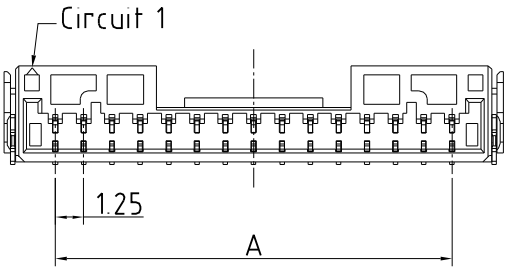
Features

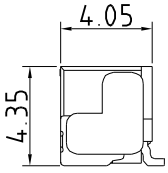
Available Number of Circuits: 1x02 - 1x15
Material: High Temperature Thermoplastic 94V-0
Contact : 0.2mm(.008") Copper Alloy, Tin-plated
Mates with : TU1211 Series Housing



P.C.B LAYOUT





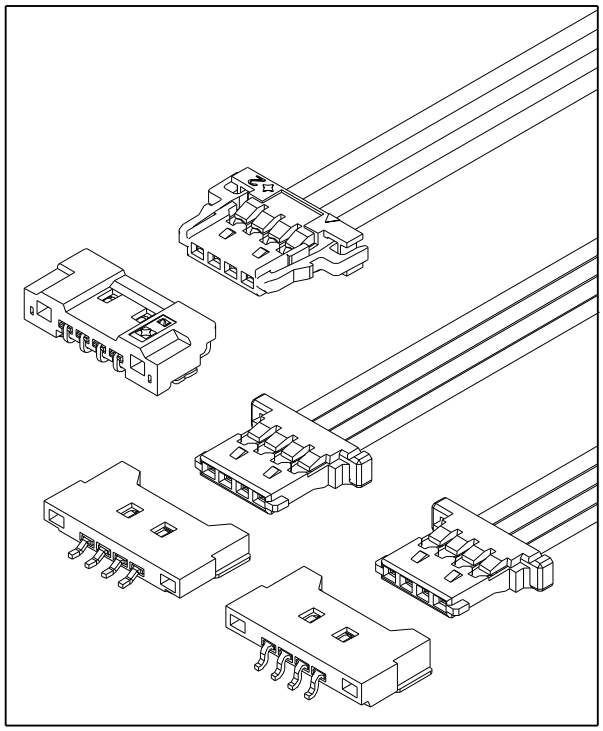


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1211WNR-1x02SK -*-*	1.25	5.75
3	TU1211WNR-1x03SK -*-*	2.50	7.00
4	TU1211WNR-1x04SK -*-*	3.75	8.25
5	TU1211WNR-1x05SK -*-*	5.00	9.00
6	TU1211WNR-1x06SK -*-*	6.25	10.75
7	TU1211WNR-1x07SK -*-*	7.50	12.00
8	TU1211WNR-1x08SK -*-*	8.75	13.25
9	TU1211WNR-1x09SK -*-*	10.00	14.50
10	TU1211WNR-1x10SK -*-*	11.25	15.75
11	TU1211WNR-1x11SK -*-*	12.50	17.00
12	TU1211WNR-1x12SK -*-*	13.75	18.25
13	TU1211WNR-1x13SK -*-*	15.00	19.50
14	TU1211WNR-1x14SK -*-*	16.25	20.75
15	TU1211WNR-1x15SK -*-*	17.50	22.00

TU1212 SERIES

1.25mm Pitch Wire To Board Connector

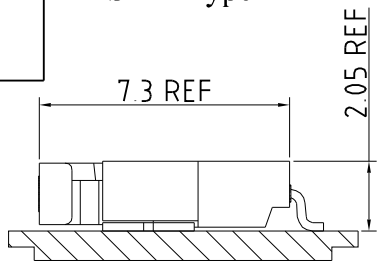


Specification

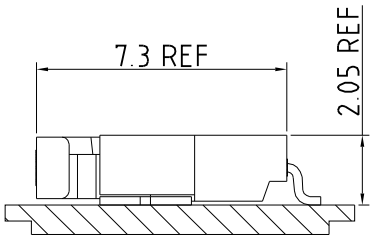
Circuits	02 - 30
Pitch	1.25mm
Current Rating	1A AC/DC
Voltage Rating	100V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	250V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #26 - #34

Assembly Layout

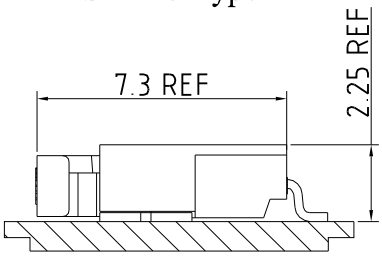
Right Angle
SMT Type



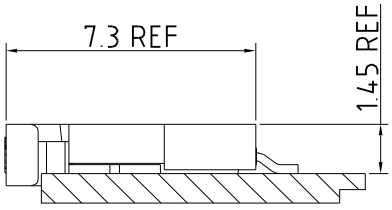
Right Angle
SMT B Type



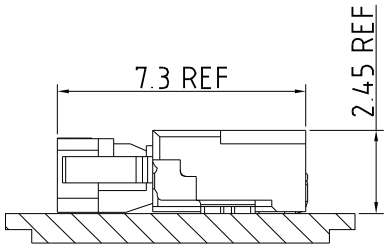
Right Angle
SMT C Type



Right Angle
SMT Inside Type



Right Angle
SMT Post Latch Type



TU1212 * - NP * - * - * - *
① ② ③ ④ ⑤ ⑥ ⑦

① Part No. TU1212

② Connection Type:
HNO : Terminal Socket
WBR : Right Angle Wafer

③ Number of Contacts:
NP : Circuits

④ Mount Type
B : B Type
K : Latch Type
S : SMT-Type Wafer
SB : SMT B Type Wafer
SC : SMT C Type Wafer
SI : SMT Inside-Type Wafer
SKF: SMT Post Latch Type Wafer

⑤ Contact Plating Code
Blank : As Specified
GO : Gold-flash over Nickel
G*:Gold *u" on Contact Area

⑥ Material Code
Blank : As Specified
M8 : LCP UL 94V-0(Housing)

⑦ Product Color
Blank : As Specified
C* : Color of number

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1212 SERIES

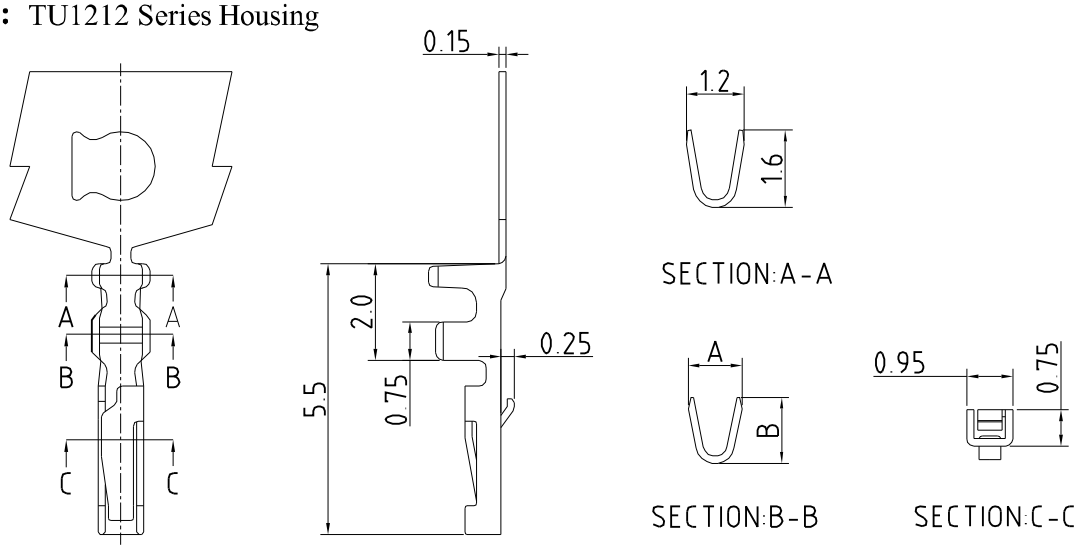
1.25mm Pitch Wire To Board Connector

Terminal

Unit : mm

Features

Use with: TU1212 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)		Material	Finish	Q'ty/Reel
			A	B			
TU1212TPO-*	AWG #26-#32	0.90mm(MAX.)	1.2	1.35	Phosphor bronze	See note	15,000 pcs
TU1212TPL-*	AWG #32-#34		1.1	1.2			

Note:

For this product in a different specification please contact TYU for more information

Housing

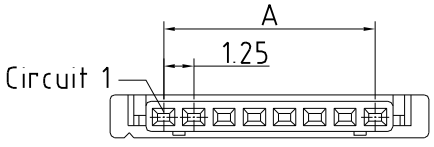
Features

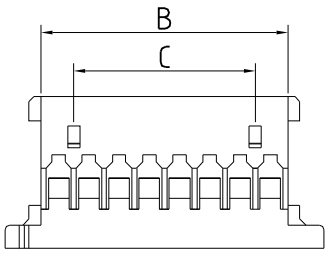
Available Number of Circuits: 02 - 30

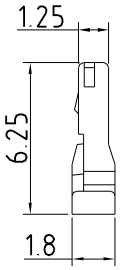
Material: High Temperature Thermoplastic 94V-0 or Regular Thermoplastic 94V-0

Use with: TU1212 Crimp Terminal

Mates with : TU1212 Series Wafer







Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
2	TU1212HNO-02	1.25	2.70	--
3	TU1212HNO-03	2.50	3.95	--
4	TU1212HNO-04	3.75	5.20	2.50
5	TU1212HNO-05	5.00	6.45	3.75
6	TU1212HNO-06	6.25	7.70	5.00
7	TU1212HNO-07	7.50	8.95	6.25
8	TU1212HNO-08	8.75	10.20	7.50
9	TU1212HNO-09	10.00	11.45	8.75
10	TU1212HNO-10	11.25	12.70	10.00
11	TU1212HNO-11	12.50	13.95	11.25
12	TU1212HNO-12	13.75	15.20	12.50
13	TU1212HNO-13	15.00	16.45	13.75
14	TU1212HNO-14	16.25	17.70	15.00
15	TU1212HNO-15	17.50	18.95	16.25
16	TU1212HNO-16	18.75	20.20	17.50
17	TU1212HNO-17	20.00	21.45	18.75
18	TU1212HNO-18	21.25	22.70	20.00
19	TU1212HNO-19	22.50	23.95	21.25
20	TU1212HNO-20	23.75	25.20	22.50
22	TU1212HNO-22-M8	26.25	27.70	22.50
24	TU1212HNO-24-M8	28.75	30.20	22.50
26	TU1212HNO-26-M8	31.25	32.70	22.50
28	TU1212HNO-28-M8	33.75	35.20	22.50
30	TU1212HNO-30-M8	36.25	37.70	22.50

TU1212 SERIES

1.25mm Pitch Wire To Board Connector

Unit : mm

Housing

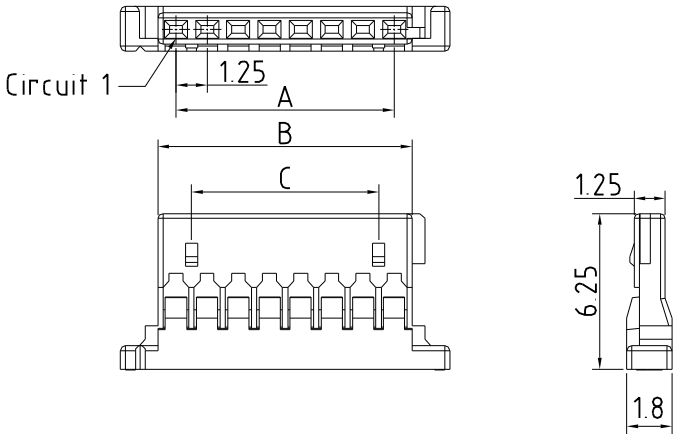
Features

Available Number of Circuits: 02 - 30

Material: High Temperature Thermoplastic 94V-0 or Regular Thermoplastic 94V-0

Use with: TU1212 Crimp Terminal

Mates with : TU1212 B & C Type Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
2	TU1212HNO-02B	1.25	2.70	--
3	TU1212HNO-03B	2.50	3.95	--
4	TU1212HNO-04B	3.75	5.20	2.50
5	TU1212HNO-05B	5.00	6.45	3.75
6	TU1212HNO-06B	6.25	7.70	5.00
7	TU1212HNO-07B	7.50	8.95	6.25
8	TU1212HNO-08B	8.75	10.20	7.50
9	TU1212HNO-09B	10.00	11.45	8.75
10	TU1212HNO-10B	11.25	12.70	10.00
11	TU1212HNO-11B	12.50	13.95	11.25
12	TU1212HNO-12B	13.75	15.20	12.50
13	TU1212HNO-13B	15.00	16.45	13.75
14	TU1212HNO-14B	16.25	17.70	15.00
15	TU1212HNO-15B	17.50	18.95	16.25
16	TU1212HNO-16B	18.75	20.20	17.50
17	TU1212HNO-17B	20.00	21.45	18.75
18	TU1212HNO-18B	21.25	22.70	20.00
19	TU1212HNO-19B	22.50	23.95	21.25
20	TU1212HNO-20B	23.75	25.20	22.50
22	TU1212HNO-22B-M8	26.25	27.70	22.50
24	TU1212HNO-24B-M8	28.75	30.20	22.50
26	TU1212HNO-26B-M8	31.25	32.70	22.50
28	TU1212HNO-28B-M8	33.75	35.20	22.50
30	TU1212HNO-30B-M8	36.25	37.70	22.50

Housing

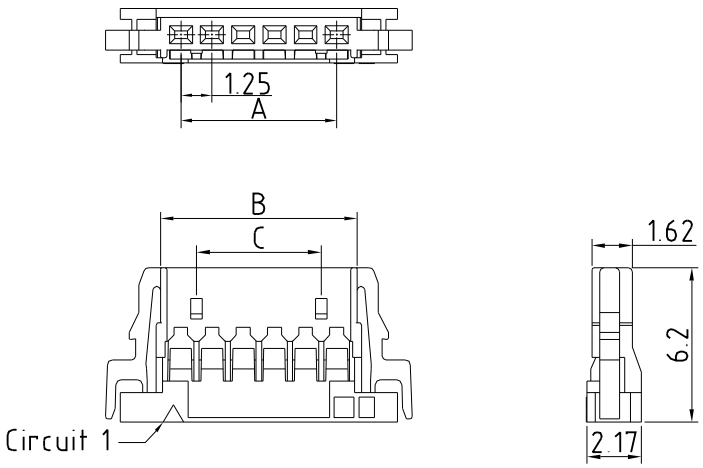
Features

Available Number of Circuits: 02 - 15

Material: High Temperature Thermoplastic 94V-0

Use with: TU1212 Crimp Terminal

Mates with : TU1212 K Type Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
2	TU1212HNO-02K-M8	1.25	2.90	--
3	TU1212HNO-03K-M8	2.50	4.15	--
4	TU1212HNO-04K-M8	3.75	5.40	2.50
5	TU1212HNO-05K-M8	5.00	6.65	3.75
6	TU1212HNO-06K-M8	6.25	7.90	5.00
7	TU1212HNO-07K-M8	7.50	9.15	6.25
8	TU1212HNO-08K-M8	8.75	10.40	7.50
9	TU1212HNO-09K-M8	10.00	11.65	8.75
10	TU1212HNO-10K-M8	11.25	12.90	10.00
11	TU1212HNO-11K-M8	12.50	14.15	11.25
12	TU1212HNO-12K-M8	13.75	15.40	12.50
13	TU1212HNO-13K-M8	15.00	16.65	13.75
14	TU1212HNO-14K-M8	16.25	17.90	15.00
15	TU1212HNO-15K-M8	17.50	19.15	16.25

TU1212 SERIES

1.25mm Pitch Wire To Board Connector

Unit : mm

Wafer — Right Angle SMT Type

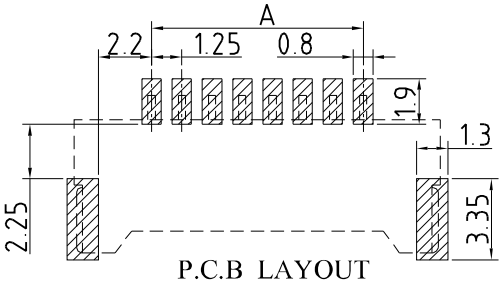
Features

Available Number of Circuits : 02 - 30

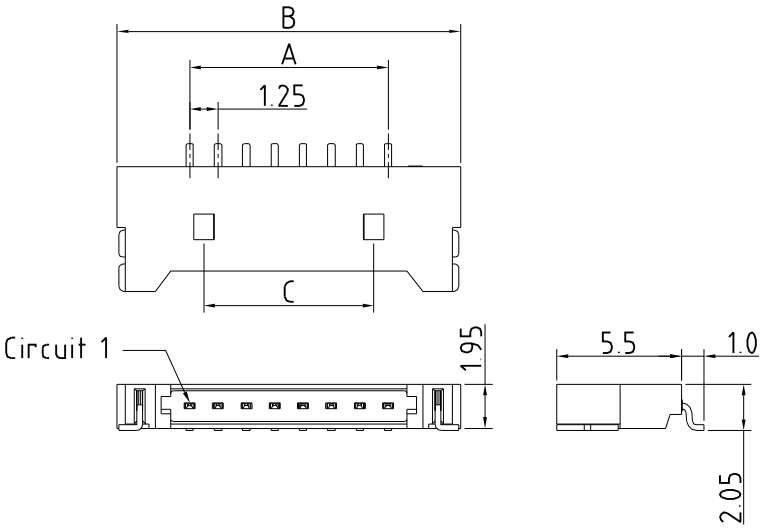
Material : High Temperature Thermoplastic 94V-0

Contact: 0.25mm(.012") Copper Alloy , Tin-plated

Mates with : TU1212 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
2	TU1212WBR-02S-*-*	1.25	7.65	--
3	TU1212WBR-03S-*-*	2.50	8.90	--
4	TU1212WBR-04S-*-*	3.75	10.15	2.50
5	TU1212WBR-05S-*-*	5.00	11.40	3.75
6	TU1212WBR-06S-*-*	6.25	12.65	5.00
7	TU1212WBR-07S-*-*	7.50	13.90	6.25
8	TU1212WBR-08S-*-*	8.75	15.15	7.50
9	TU1212WBR-09S-*-*	10.00	16.40	8.75
10	TU1212WBR-10S-*-*	11.25	17.65	10.00
11	TU1212WBR-11S-*-*	12.50	18.90	11.25
12	TU1212WBR-12S-*-*	13.75	20.15	12.50
13	TU1212WBR-13S-*-*	15.00	21.40	13.75
14	TU1212WBR-14S-*-*	16.25	22.65	15.00
15	TU1212WBR-15S-*-*	17.50	23.90	16.25
16	TU1212WBR-16S-*-*	18.75	25.15	17.50
18	TU1212WBR-18S-*-*	21.25	27.65	20.00
20 ~ 30	TU1212WBR-20S-*-* ~ TU1212WBR-30S-*-*	23.75 ~ 36.25	30.15 ~ 42.65	22.50

Wafer — Right Angle SMT B Type

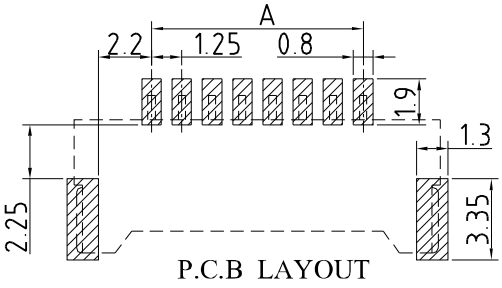
Features

Available Number of Circuits : 02 - 30

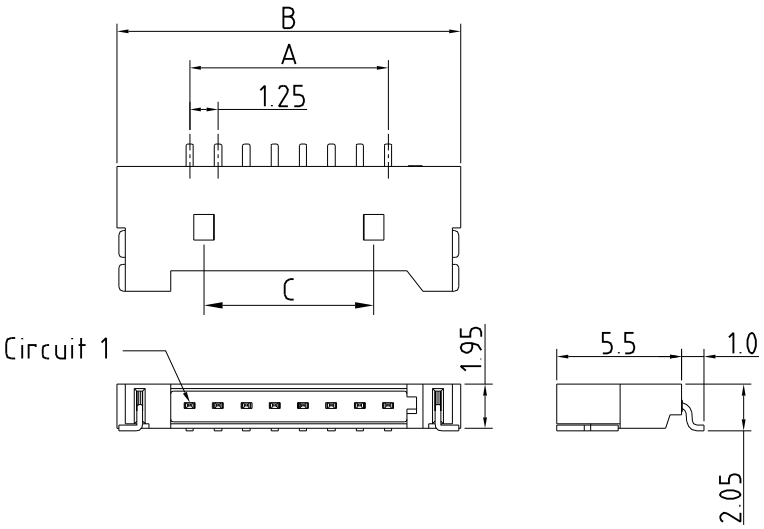
Material : High Temperature Thermoplastic 94V-0

Contact: 0.25mm(.012") Copper Alloy , Tin-plated

Mates with : TU1212 B Type Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
2	TU1212WBR-02SB-*-*	1.25	7.65	--
3	TU1212WBR-03SB-*-*	2.50	8.90	--
4	TU1212WBR-04SB-*-*	3.75	10.15	2.50
5	TU1212WBR-05SB-*-*	5.00	11.40	3.75
6	TU1212WBR-06SB-*-*	6.25	12.65	5.00
7	TU1212WBR-07SB-*-*	7.50	13.90	6.25
8	TU1212WBR-08SB-*-*	8.75	15.15	7.50
9	TU1212WBR-09SB-*-*	10.00	16.40	8.75
10	TU1212WBR-10SB-*-*	11.25	17.65	10.00
11	TU1212WBR-11SB-*-*	12.50	18.90	11.25
12	TU1212WBR-12SB-*-*	13.75	20.15	12.50
13	TU1212WBR-13SB-*-*	15.00	21.40	13.75
14	TU1212WBR-14SB-*-*	16.25	22.65	15.00
15	TU1212WBR-15SB-*-*	17.50	23.90	16.25
16	TU1212WBR-16SB-*-*	18.75	25.15	17.50
18	TU1212WBR-18SB-*-*	21.25	27.65	20.00
20 ~ 30	TU1212WBR-20SB-*-* ~ TU1212WBR-30SB-*-*	23.75 ~ 36.25	30.15 ~ 42.65	22.50

TU1212 SERIES

1.25mm Pitch Wire To Board Connector

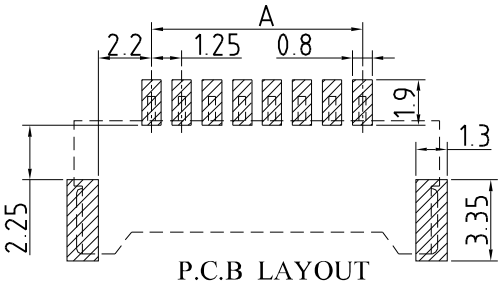
Unit : mm

Wafer

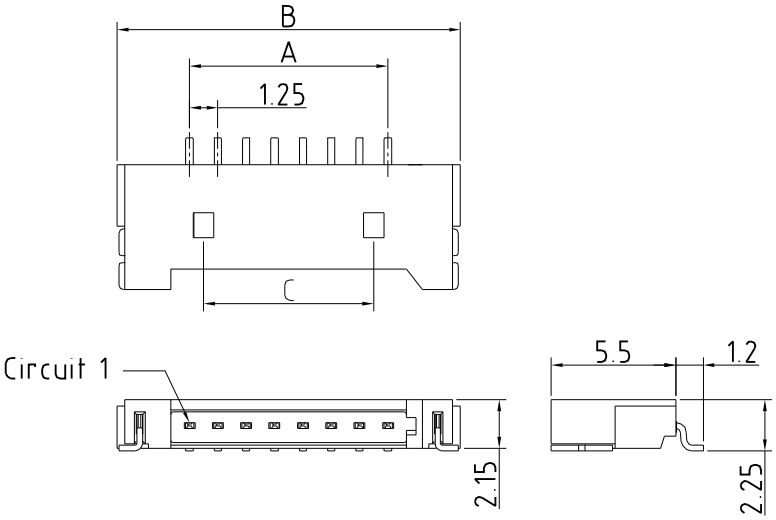
Right Angle SMT C Type

Features

Available Number of Circuits : 02 - 30
Material : High Temperature Thermoplastic 94V-0
Contact: 0.25mm(.012") Copper Alloy , Tin-plated
Mates with : TU1212 B Type Series Housing



P.C.B LAYOUT



Dimension and Order Information

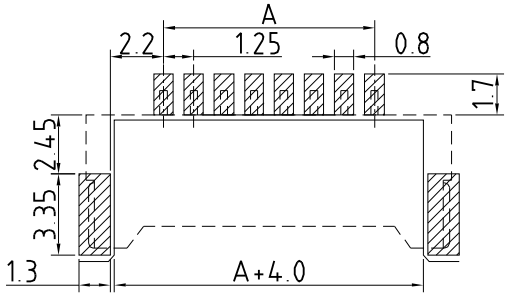
Circuits	Part No.	DIM.(mm)		
		A	B	C
2	TU1212WBR-02SC-*-*	1.25	7.65	--
3	TU1212WBR-03SC-*-*	2.50	8.90	--
4	TU1212WBR-04SC-*-*	3.75	10.15	2.50
5	TU1212WBR-05SC-*-*	5.00	11.40	3.75
6	TU1212WBR-06SC-*-*	6.25	12.65	5.00
7	TU1212WBR-07SC-*-*	7.50	13.90	6.25
8	TU1212WBR-08SC-*-*	8.75	15.15	7.50
9	TU1212WBR-09SC-*-*	10.00	16.40	8.75
10	TU1212WBR-10SC-*-*	11.25	17.65	10.00
11	TU1212WBR-11SC-*-*	12.50	18.90	11.25
12	TU1212WBR-12SC-*-*	13.75	20.15	12.50
13	TU1212WBR-13SC-*-*	15.00	21.40	13.75
14	TU1212WBR-14SC-*-*	16.25	22.65	15.00
15	TU1212WBR-15SC-*-*	17.50	23.90	16.25
16	TU1212WBR-16SC-*-*	18.75	25.15	17.50
18	TU1212WBR-18SC-*-*	21.25	27.65	20.00
20 ~ 30	TU1212WBR-20SC-*-* ~ TU1212WBR-30SC-*-*	23.75 ~ 36.25	30.15 ~ 42.65	22.50

Wafer

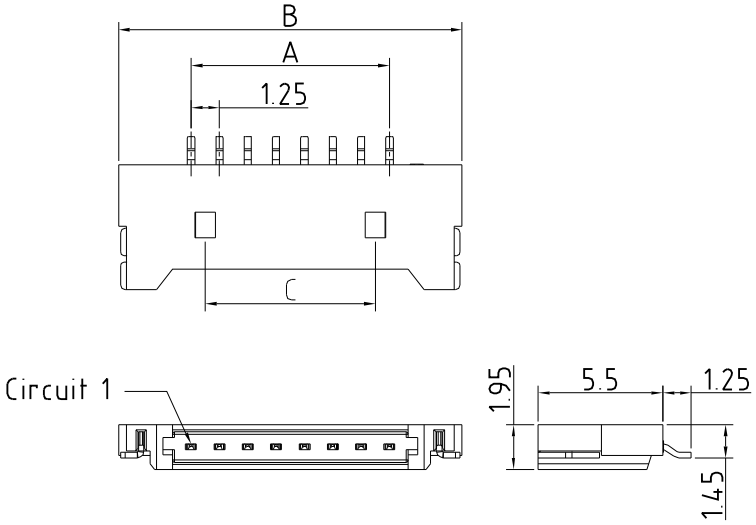
Right Angle Inside SMT Type

Features

Available Number of Circuits : 02 - 30
Material : High Temperature Thermoplastic 94V-0
Contact: 0.25mm(.012") Copper Alloy , Tin-plated
Mates with : TU1212 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
2	TU1212WBR-02SI-*-*	1.25	7.65	--
3	TU1212WBR-03SI-*-*	2.50	8.90	--
4	TU1212WBR-04SI-*-*	3.75	10.15	2.50
5	TU1212WBR-05SI-*-*	5.00	11.40	3.75
6	TU1212WBR-06SI-*-*	6.25	12.65	5.00
7	TU1212WBR-07SI-*-*	7.50	13.90	6.25
8	TU1212WBR-08SI-*-*	8.75	15.15	7.50
9	TU1212WBR-09SI-*-*	10.00	16.40	8.75
10	TU1212WBR-10SI-*-*	11.25	17.65	10.00
11	TU1212WBR-11SI-*-*	12.50	18.90	11.25
12	TU1212WBR-12SI-*-*	13.75	20.15	12.50
13	TU1212WBR-13SI-*-*	15.00	21.40	13.75
14	TU1212WBR-14SI-*-*	16.25	22.65	15.00
15	TU1212WBR-15SI-*-*	17.50	23.90	16.25
16	TU1212WBR-16SI-*-*	18.75	25.15	17.50
18	TU1212WBR-18SI-*-*	21.25	27.65	20.00
20 ~ 30	TU1212WBR-20SI-*-* ~ TU1212WBR-30SI-*-*	23.75 ~ 36.25	30.15 ~ 42.65	22.50

TU1212 SERIES

1.25mm Pitch Wire To Board Connector

Unit : mm

Wafer

Right Angle Post Latch SMT Type

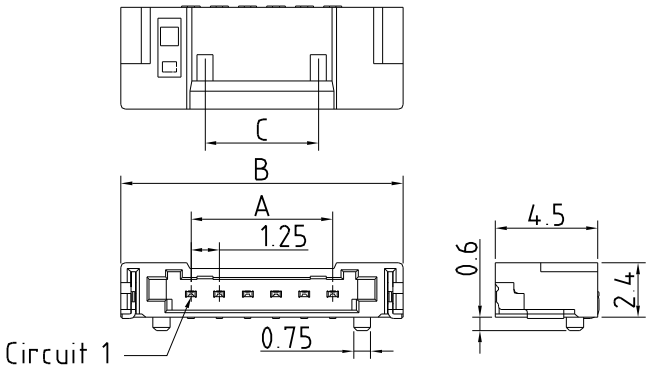
Features

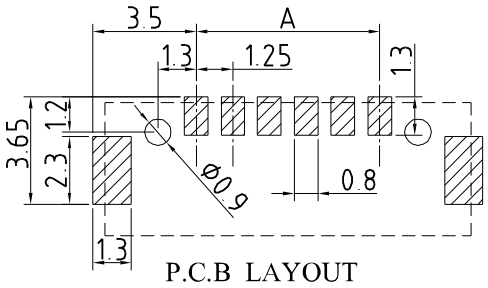
Available Number of Circuits : 02 - 15

Material : High Temperature Thermoplastic 94V-0

Contact: 0.25mm(.012") Copper Alloy , Tin-plated

Mates with : TU1212 K Type Series Housing





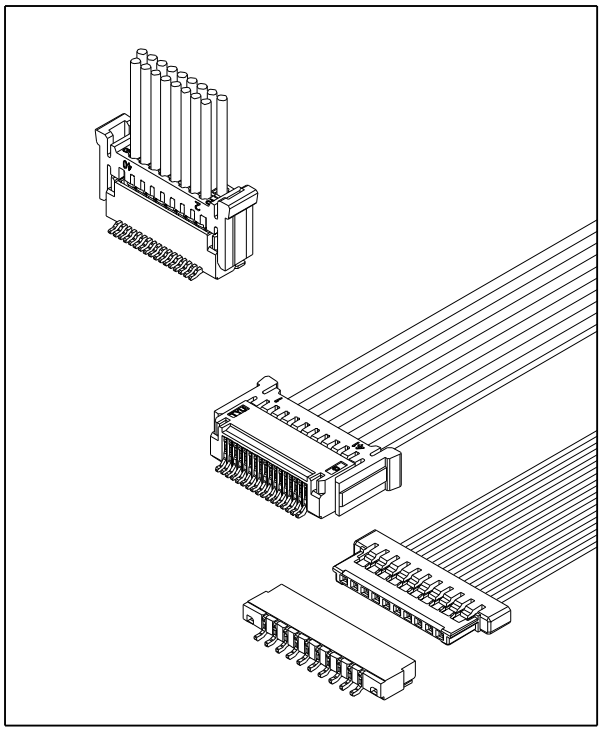
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
2	TU1212WBR-02SKF-*-*	1.25	7.45	--
3	TU1212WBR-03SKF-*-*	2.50	8.70	--
4	TU1212WBR-04SKF-*-*	3.75	9.95	2.50
5	TU1212WBR-05SKF-*-*	5.00	11.20	3.75
6	TU1212WBR-06SKF-*-*	6.25	12.45	5.00
7	TU1212WBR-07SKF-*-*	7.50	13.70	6.25
8	TU1212WBR-08SKF-*-*	8.75	14.95	7.50
9	TU1212WBR-09SKF-*-*	10.00	16.20	8.75
10	TU1212WBR-10SKF-*-*	11.25	17.45	10.00
11	TU1212WBR-11SKF-*-*	12.50	18.70	11.25
12	TU1212WBR-12SKF-*-*	13.75	19.95	12.50
13	TU1212WBR-13SKF-*-*	15.00	21.20	13.75
14	TU1212WBR-14SKF-*-*	16.25	22.45	15.00
15	TU1212WBR-15SKF-*-*	17.50	23.70	16.25

TU1213 SERIES

1.25mm Pitch Wire To Board Connector

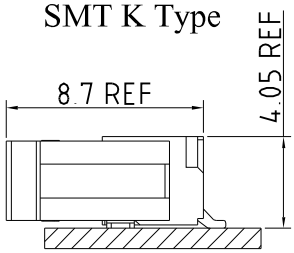


Specification

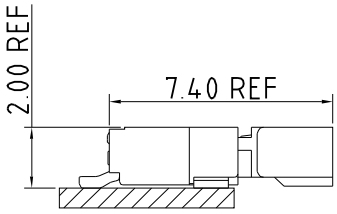
Circuits	02-30 , 05-41(DUAL ROW)
Pitch	1.25mm
Current Rating	1A AC/DC 2A AC/DC (AWG#28 2~7P)
Voltage Rating	50V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #28 - #34

Assembly Layout

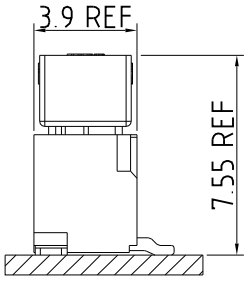
Right Angle Dual Row
SMT K Type



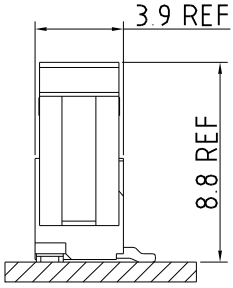
Right Angle Single Row
SMT-Type



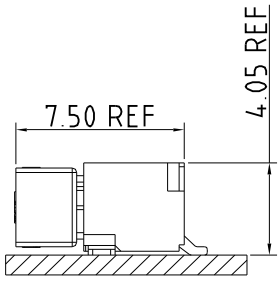
Vertical Dual Row
SMT-Type



Vertical Dual Row
SMT K Type



Right Angle Dual Row
SMT-Type



TU1213 * - NP * - *
① ② ③ ④ ⑤

① Part No. TU1213	④ Mount Type S : SMT-Type Wafer E : E Type D : Dual Row K: Lock Type DK: Dual Row Lock Type Wafer	⑤ Material Code Blank : As Specified M8 : LCP UL 94V-0
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer		
③ Number of Contacts: NP : Circuits	⑤ Contact Plating Code Blank : As Specified GO : Gold-flash over Nickel	

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1213 SERIES

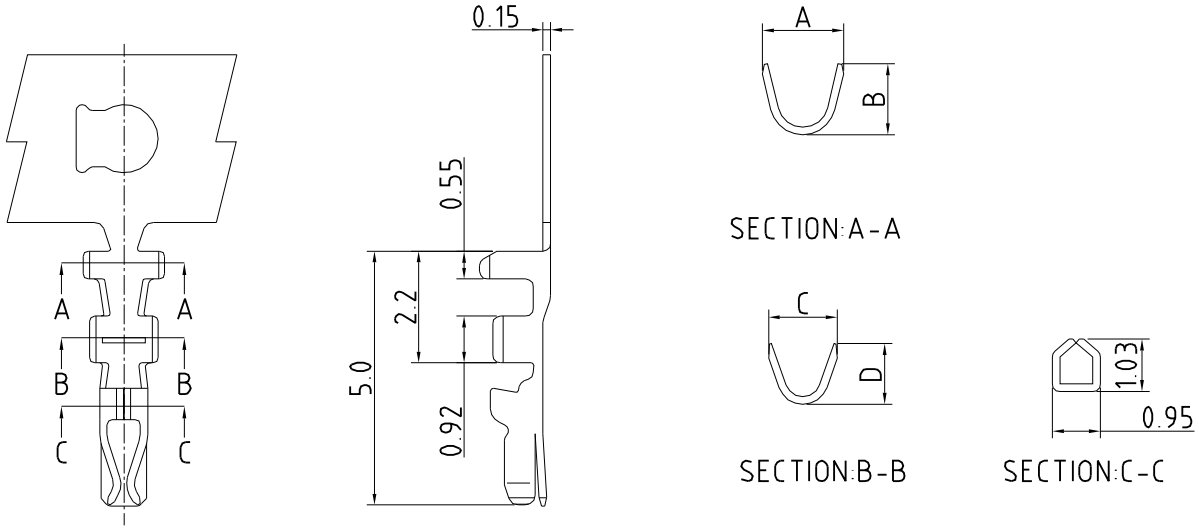
1.25mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU1213 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TU1213TPL-*D	AWG #32-#34	0.50mm(MAX.)	1.2	1.0	1.15	0.8	Phosphor bronze	See note	15,000pcs
TU1213TPO-*D	AWG #28-#32	0.90mm(MAX.)	1.6	1.4	1.35	1.2			

Note:

For this product in a different specification please contact TYU for more information

Housing

Single Row

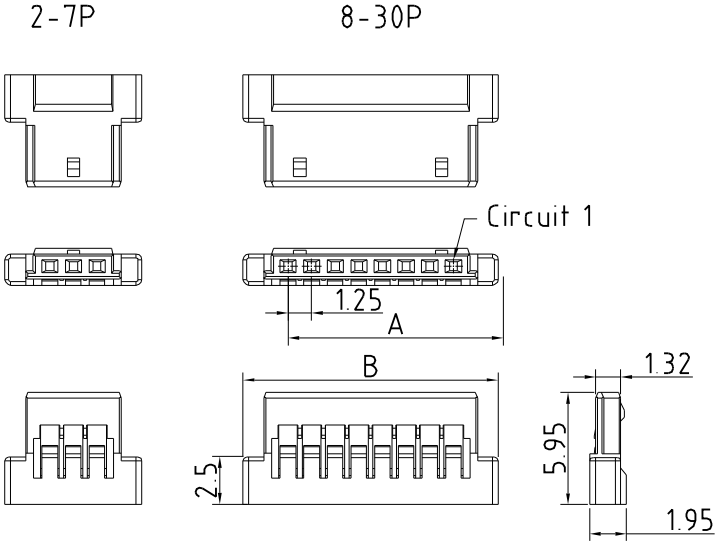
Features

Available Number of Circuits: 02 - 30

Material: Regular Thermoplastic 94V-0

Use with: TU1213 Crimp Terminal

Mates with : TU1213 Single Row Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1213HNO-02	1.25	6.00
3	TU1213HNO-03	2.50	7.25
4	TU1213HNO-04	3.75	8.50
5	TU1213HNO-05	5.00	9.75
6	TU1213HNO-06	6.25	11.00
7	TU1213HNO-07	7.50	12.25
8	TU1213HNO-08	8.75	13.50
9	TU1213HNO-09	10.00	14.75
10	TU1213HNO-10	11.25	16.00
11	TU1213HNO-11	12.50	17.25
12	TU1213HNO-12	13.75	18.50
13	TU1213HNO-13	15.00	19.75
14	TU1213HNO-14	16.25	21.00
15	TU1213HNO-15	17.50	22.25
20	TU1213HNO-20	23.75	28.50
25	TU1213HNO-25	30.00	34.75
30	TU1213HNO-30	36.25	41.00

TU1213 SERIES

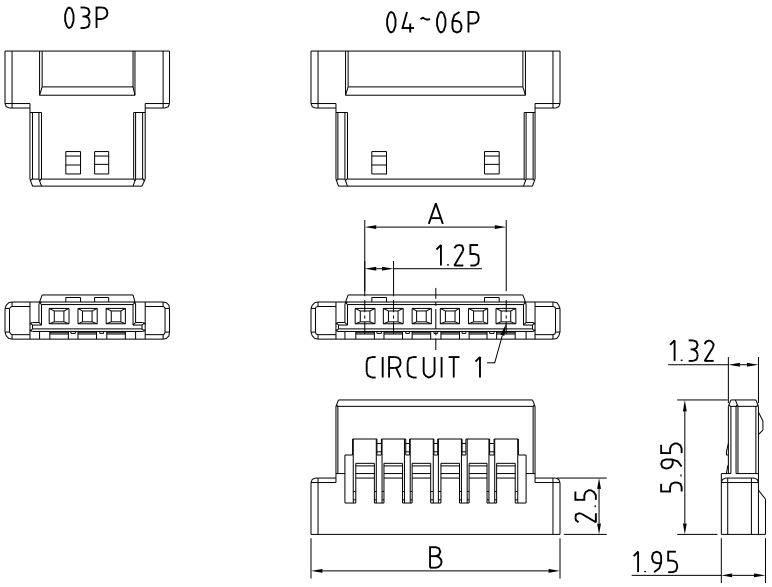
1.25mm Pitch Wire To Board Connector

Unit : mm

Housing

Single Row E-TYPE

Features
Available Number of Circuits : 03 - 06
Material : Regular Thermoplastic 94V-0
Use with : TU1213 Crimp Terminal
Mates with : TU1213 Single Row



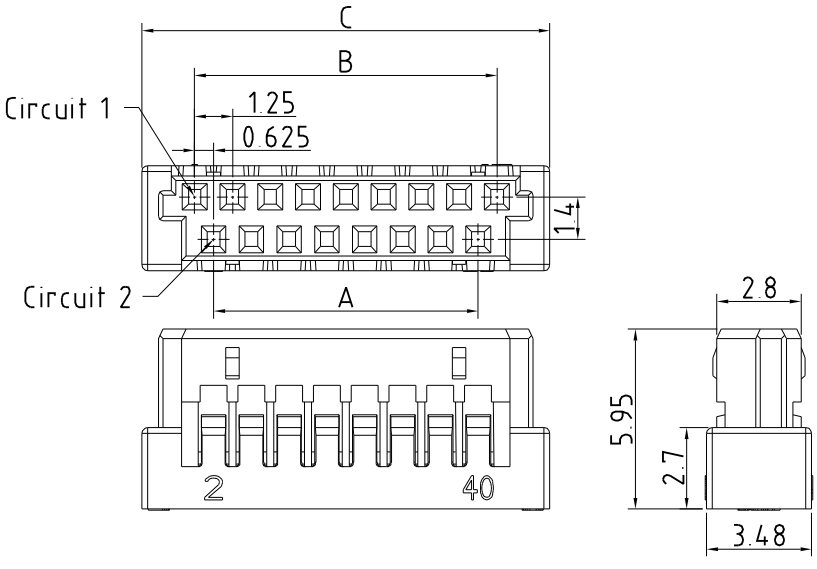
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
3	TU1213HNO-03E	2.50	7.25
4	TU1213HNO-04E	3.75	8.50
5	TU1213HNO-05E	5.00	9.75
6	TU1213HNO-06E	6.25	11.00

Housing

Dual Row

Features
Available Number of Circuits : 05 - 41
Material : Regular Thermoplastic 94V-0
Use with : TU1213 Crimp Terminal
Mates with : TU1213 Dual Row Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
5	TU1213HNO-05D-*	1.25	2.50	6.00
7	TU1213HNO-07D-*	2.50	3.75	7.25
9	TU1213HNO-09D-*	3.75	5.00	8.50
11	TU1213HNO-11D-*	5.00	6.25	9.75
13	TU1213HNO-13D-*	6.25	7.50	11.00
15	TU1213HNO-15D-*	7.50	8.75	12.25
17	TU1213HNO-17D-*	8.75	10.00	13.50
19	TU1213HNO-19D-*	10.00	11.25	14.75
21	TU1213HNO-21D-*	11.25	12.50	16.00
23	TU1213HNO-23D-*	12.50	13.75	17.25
25	TU1213HNO-25D-*	13.75	15.00	18.50
27	TU1213HNO-27D-*	15.00	16.25	19.75
31	TU1213HNO-31D-*	17.50	18.75	22.25
41	TU1213HNO-41D-*	23.75	25.00	28.50

TU1213 SERIES

1.25mm Pitch Wire To Board Connector

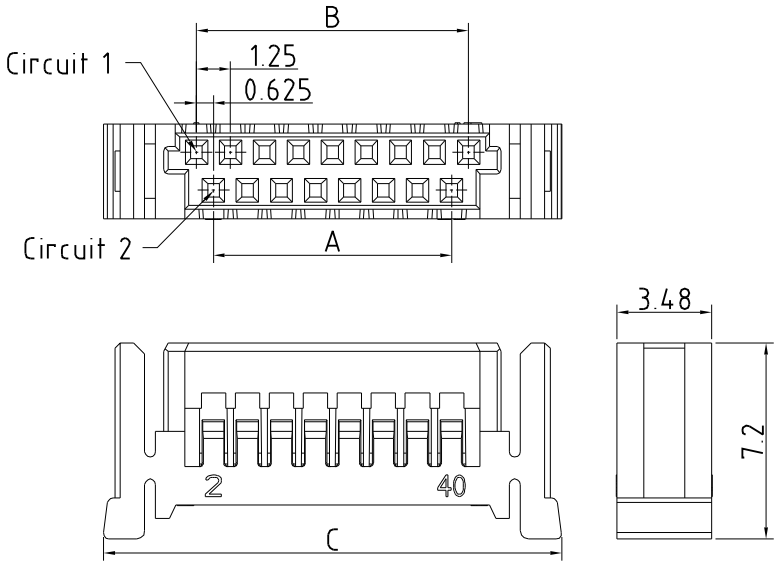
Unit : mm

Housing

Dual Row K-TYPE

Features

Available Number of Circuits : 05 - 41
Material : Regular Thermoplastic 94V-0
Use with : TU1213 Crimp Terminal
Mates with : TU1213 Dual Row K Type Series Wafer



Dimension and Order Information

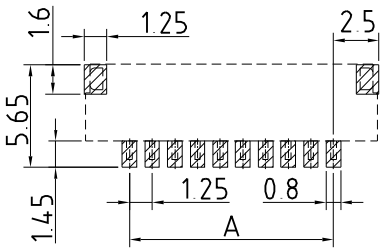
Circuits	Part No.	DIM.(mm)		
		A	B	C
5	TU1213HNO-05DK*	1.25	2.50	9.34
7	TU1213HNO-07DK*	2.50	3.75	10.59
9	TU1213HNO-09DK*	3.75	5.00	11.84
11	TU1213HNO-11DK*	5.00	6.25	13.09
13	TU1213HNO-13DK*	6.25	7.50	14.34
15	TU1213HNO-15DK*	7.50	8.75	15.59
17	TU1213HNO-17DK*	8.75	10.00	16.84
19	TU1213HNO-19DK*	10.00	11.25	18.09
21	TU1213HNO-21DK*	11.25	12.50	19.34
23	TU1213HNO-23DK*	12.50	13.75	20.59
25	TU1213HNO-25DK*	13.75	15.00	21.84
27	TU1213HNO-27DK*	15.00	16.25	23.09
31	TU1213HNO-31DK*	17.50	18.75	25.59
41	TU1213HNO-41DK*	23.75	25.00	31.84

Wafer

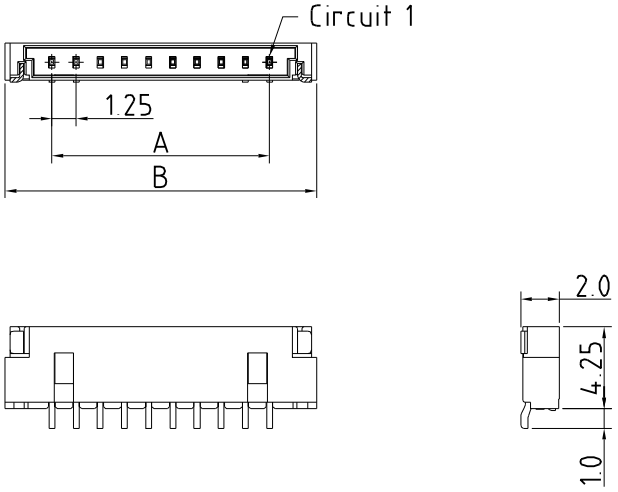
Right Angle Single Row SMT Type

Features

Available Number of Circuits : 02 - 30
Material : High Temperature Thermoplastic 94V-0
Contact : 0.3mm(.012") Copper Alloy, Tin-plated
Mates with : TU1213 Series Single Row Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1213WNR-02S-*-*	1.25	6.10
3	TU1213WNR-03S-*-*	2.50	7.35
4	TU1213WNR-04S-*-*	3.75	8.60
5	TU1213WNR-05S-*-*	5.00	9.85
6	TU1213WNR-06S-*-*	6.25	11.10
7	TU1213WNR-07S-*-*	7.50	12.35
8	TU1213WNR-08S-*-*	8.75	13.60
9	TU1213WNR-09S-*-*	10.00	14.85
10	TU1213WNR-10S-*-*	11.25	16.10
14	TU1213WNR-14S-*-*	16.25	21.10
15	TU1213WNR-15S-*-*	17.50	22.35
20	TU1213WNR-20S-*-*	23.75	28.60
25	TU1213WNR-25S-*-*	30.00	34.85
30	TU1213WNR-30S-*-*	36.25	41.10

TU1213 SERIES

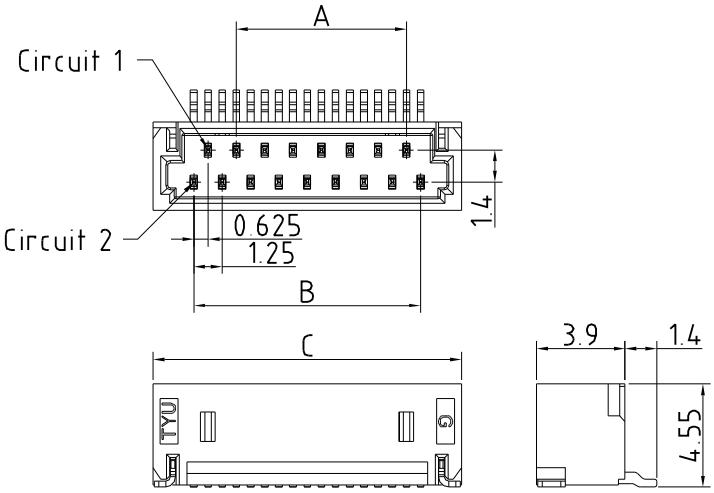
1.25mm Pitch Wire To Board Connector

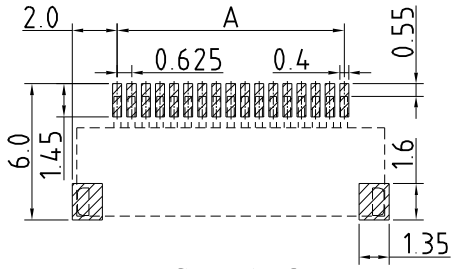
Unit : mm

Wafer Vertical Dual Row SMT Type

Features

Available Number of Circuits : 05 - 41
Material : High Temperature Thermoplastic 94V-0
Contact : 0.3mm(.012") Copper Alloy, Tin-plated
Mates with : TU1213 Series Dual Row Housing





P.C.B LAYOUT

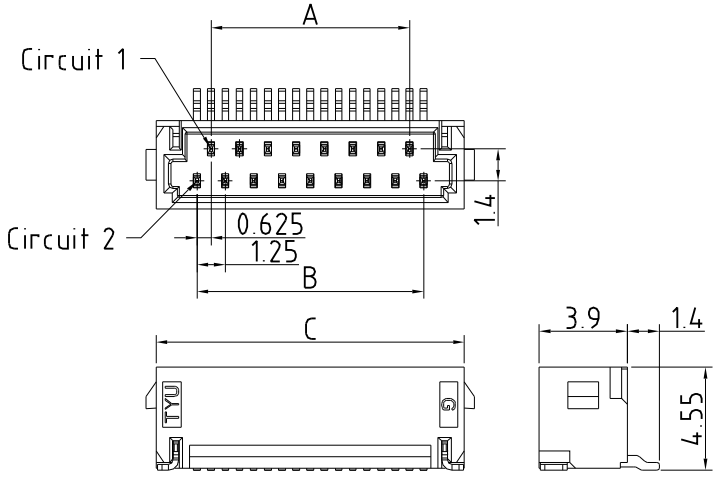
Dimension and Order Information

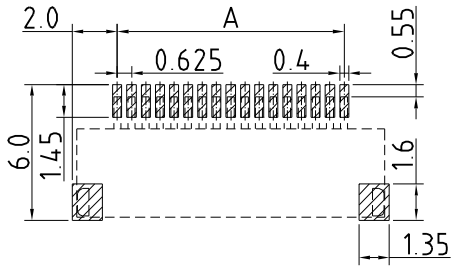
Circuits	Part No.	DIM.(mm)		
		A	B	C
5	TU1213WNV-05D-*	1.25	2.50	6.10
7	TU1213WNV-07D-*	2.50	3.75	7.35
9	TU1213WNV-09D-*	3.75	5.00	8.60
11	TU1213WNV-11D-*	5.00	6.25	9.85
13	TU1213WNV-13D-*	6.25	7.50	11.10
15	TU1213WNV-15D-*	7.50	8.75	12.35
17	TU1213WNV-17D-*	8.75	10.00	13.60
19	TU1213WNV-19D-*	10.00	11.25	14.85
21	TU1213WNV-21D-*	11.25	12.50	16.10
23	TU1213WNV-23D-*	12.50	13.75	17.35
25	TU1213WNV-25D-*	13.75	15.00	18.60
27	TU1213WNV-27D-*	15.00	16.25	19.85
31	TU1213WNV-31D-*	17.50	18.75	22.35
41	TU1213WNV-41D-*	23.75	25.00	28.60

Wafer Vertical Dual Row SMT K Type

Features

Available Number of Circuits : 05 - 41
Material : High Temperature Thermoplastic 94V-0
Contact : 0.3mm(.012") Copper Alloy, Tin-plated
Mates with : TU1213 Series Dual Row K TYPE Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
5	TU1213WNV-05DK-*	1.25	2.50	6.10
7	TU1213WNV-07DK-*	2.50	3.75	7.35
9	TU1213WNV-09DK-*	3.75	5.00	8.60
11	TU1213WNV-11DK-*	5.00	6.25	9.85
13	TU1213WNV-13DK-*	6.25	7.50	11.10
15	TU1213WNV-15DK-*	7.50	8.75	12.35
17	TU1213WNV-17DK-*	8.75	10.00	13.60
19	TU1213WNV-19DK-*	10.00	11.25	14.85
21	TU1213WNV-21DK-*	11.25	12.50	16.10
23	TU1213WNV-23DK-*	12.50	13.75	17.35
25	TU1213WNV-25DK-*	13.75	15.00	18.60
27	TU1213WNV-27DK-*	15.00	16.25	19.85
31	TU1213WNV-31DK-*	17.50	18.75	22.35
41	TU1213WNV-41DK-*	23.75	25.00	28.60

TU1213 SERIES

1.25mm Pitch Wire To Board Connector

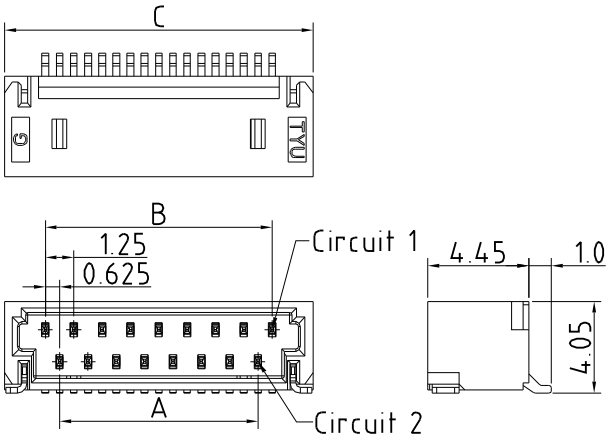
Unit : mm

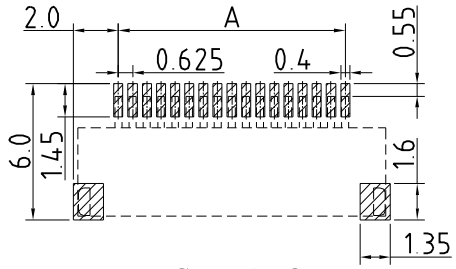
Wafer

Right Angle Dual Row SMT Type

Features

Available Number of Circuits : 05 - 41
Material : High Temperature Thermoplastic 94V-0
Contact : 0.3mm(.012") Copper Alloy, Tin-plated
Mates with : TU1213 Series Dual Row Housing





P.C.B LAYOUT

Dimension and Order Information

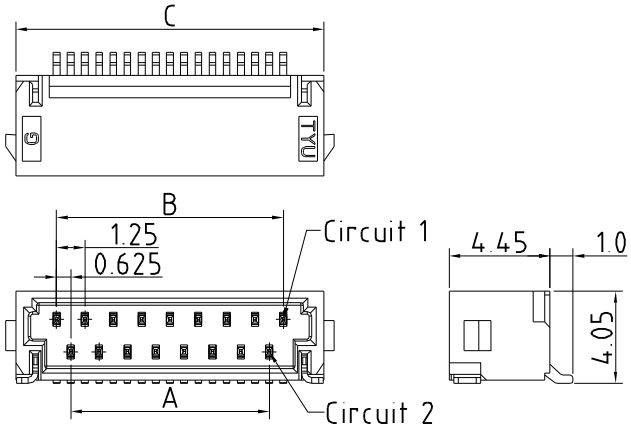
Circuits	Part No.	DIM.(mm)		
		A	B	C
5	TU1213WNR-05D-*	1.25	2.50	6.10
7	TU1213WNR-07D-*	2.50	3.75	7.35
9	TU1213WNR-09D-*	3.75	5.00	8.60
11	TU1213WNR-11D-*	5.00	6.25	9.85
13	TU1213WNR-13D-*	6.25	7.50	11.10
15	TU1213WNR-15D-*	7.50	8.75	12.35
17	TU1213WNR-17D-*	8.75	10.00	13.60
19	TU1213WNR-19D-*	10.00	11.25	14.85
21	TU1213WNR-21D-*	11.25	12.50	16.10
23	TU1213WNR-23D-*	12.50	13.75	17.35
25	TU1213WNR-25D-*	13.75	15.00	18.60
27	TU1213WNR-27D-*	15.00	16.25	19.85
31	TU1213WNR-31D-*	17.50	18.75	22.35
41	TU1213WNR-41D-*	23.75	25.00	28.60

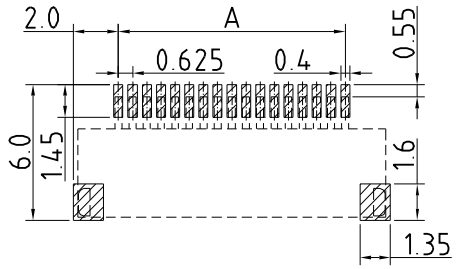
Wafer

Right Angle Dual Row SMT K Type

Features

Available Number of Circuits : 05 - 41
Material : High Temperature Thermoplastic 94V-0
Contact : 0.3mm(.012") Copper Alloy, Tin-plated
Mates with : TU1213 Series Dual Row K TYPE Housing





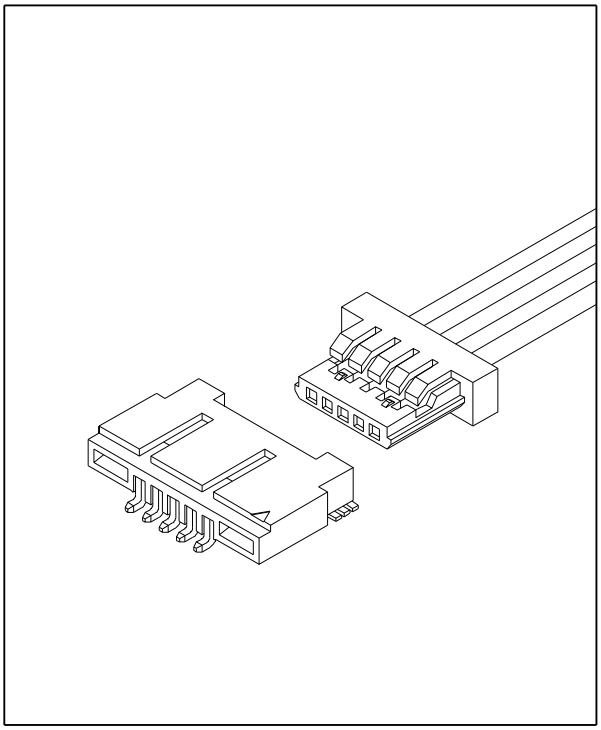
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
5	TU1213WNR-05DK-*	1.25	2.50	6.10
7	TU1213WNR-07DK-*	2.50	3.75	7.35
9	TU1213WNR-09DK-*	3.75	5.00	8.60
11	TU1213WNR-11DK-*	5.00	6.25	9.85
13	TU1213WNR-13DK-*	6.25	7.50	11.10
15	TU1213WNR-15DK-*	7.50	8.75	12.35
17	TU1213WNR-17DK-*	8.75	10.00	13.60
19	TU1213WNR-19DK-*	10.00	11.25	14.85
21	TU1213WNR-21DK-*	11.25	12.50	16.10
23	TU1213WNR-23DK-*	12.50	13.75	17.35
25	TU1213WNR-25DK-*	13.75	15.00	18.60
27	TU1213WNR-27DK-*	15.00	16.25	19.85
31	TU1213WNR-31DK-*	17.50	18.75	22.35
41	TU1213WNR-41DK-*	23.75	25.00	28.60

TU1217 SERIES

1.25mm Pitch Wire To Board Connector

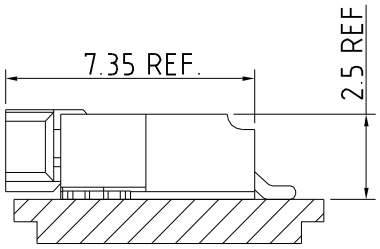


Specification

Circuits	02 - 30
Pitch	1.25mm
Current Rating	1A AC/DC
Voltage Rating	150V AC/DC
Contact Resistance	30mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #28 - #32

Assembly Layout

Right Angle Type



TU1217 * - NP * - * - * - *
① ② ③ ④ ⑤ ⑥ ⑦

① Part No. TU1217	④ Mount Type S : SMT-Type Wafer SF : SMT-Type Wafer With Post	⑥ Contact Plating Code Blank : As Specified GO : Gold-flash over Nickel
② Connection Type: HNO : Terminal Socket WNR : Right Angle Wafer	⑤ Other W1:Without Window	⑦ Product Color Blank : As Specified C* : Color of number
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1217 SERIES

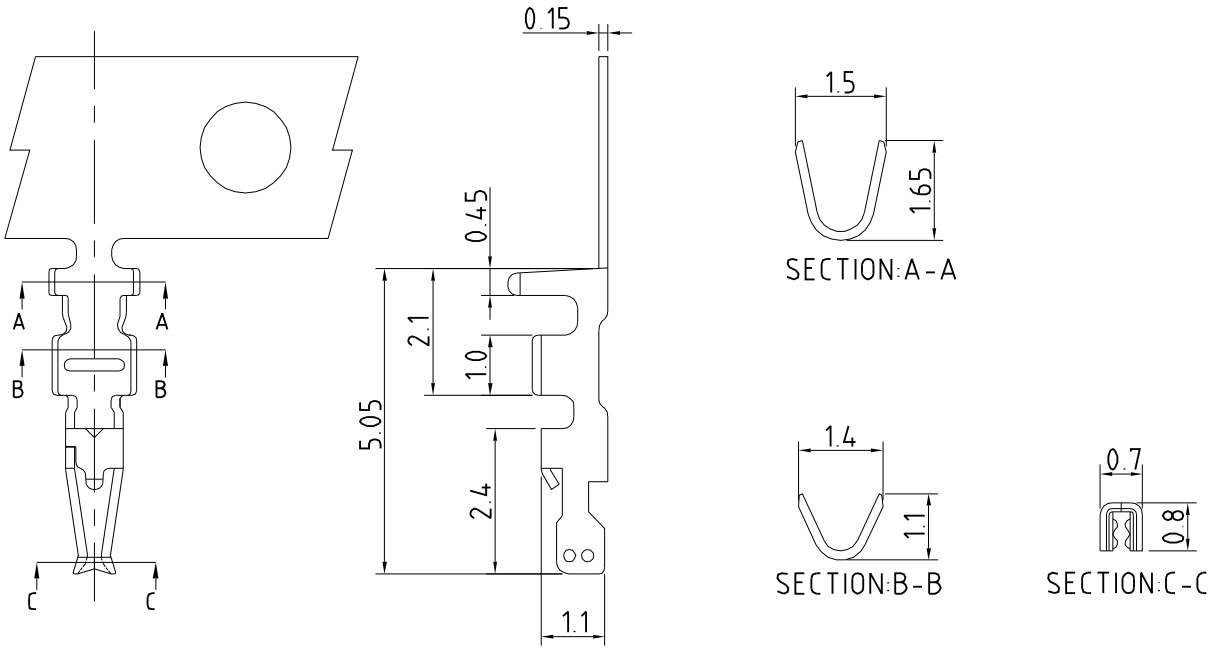
1.25mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU1217 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU1217TPO-*	AWG #28-#32	0.90mm(MAX.)	Phosphor bronze	See note	15,000 pcs

Note:

For this product in a different specification please contact TYU for more information

Housing

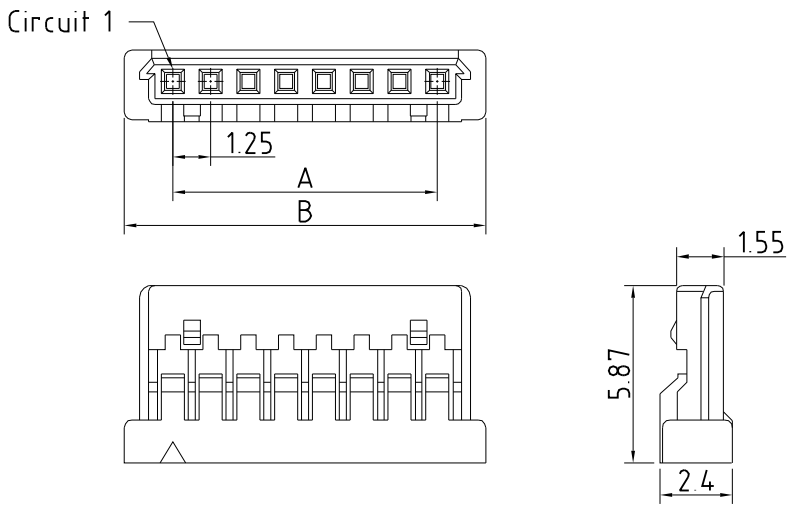
Features

Available Number of Circuits: 02 - 30

Material: Regular Thermoplastic 94V-0

Use with: TU1217 Crimp Terminal

Mates with : TU1217 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1217HNO-02	1.25	4.45
3	TU1217HNO-03	2.50	5.70
4	TU1217HNO-04	3.75	6.95
5	TU1217HNO-05	5.00	8.20
6	TU1217HNO-06	6.25	9.45
7	TU1217HNO-07	7.50	10.70
8	TU1217HNO-08	8.75	11.95
9	TU1217HNO-09	10.00	13.20
10	TU1217HNO-10	11.25	14.45
11	TU1217HNO-11	12.50	15.70
12	TU1217HNO-12	13.75	16.95
13	TU1217HNO-13	15.00	18.20
14	TU1217HNO-14	16.25	19.45
15	TU1217HNO-15	17.50	20.70
20	TU1217HNO-20	23.75	26.95
25	TU1217HNO-25	30.00	33.20
30	TU1217HNO-30	36.25	39.45

TU1217 SERIES

1.25mm Pitch Wire To Board Connector

Unit : mm

Wafer

Right Angle SMT Type

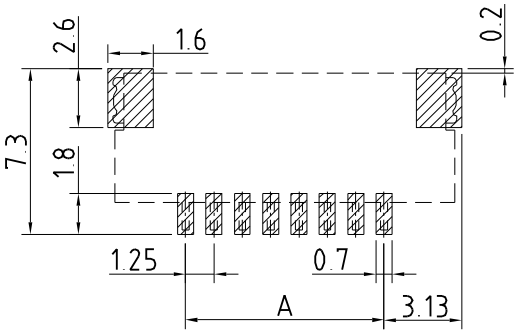
Features

Available Number of Circuits : 02 - 30

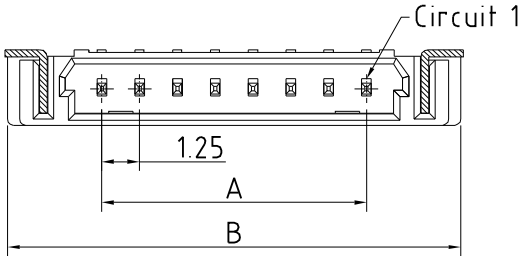
Material : High Temperature Thermoplastic 94V-0

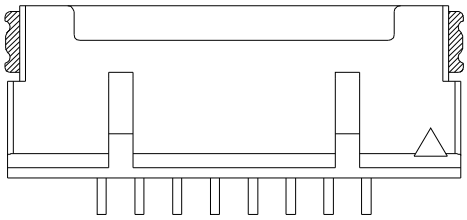
Contact: 0.3mm(.012") Copper Alloy , Tin-plated

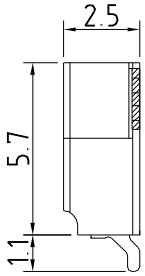
Mates with : TU1217 Series Housing



P.C.B LAYOUT







Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1217WNR-02S-*-*	1.25	7.45
3	TU1217WNR-03S-*-*	2.50	8.70
4	TU1217WNR-04S-*-*	3.75	9.95
5	TU1217WNR-05S-*-*	5.00	11.20
6	TU1217WNR-06S-*-*	6.25	12.45
7	TU1217WNR-07S-*-*	7.50	13.70
8	TU1217WNR-08S-*-*	8.75	14.95
9	TU1217WNR-09S-*-*	10.00	16.20
10	TU1217WNR-10S-*-*	11.25	17.45
12	TU1217WNR-12S-*-*	13.75	19.95
15	TU1217WNR-15S-*-*	17.50	23.70
20	TU1217WNR-20S-*-*	23.75	29.95
25	TU1217WNR-25S-*-*	30.00	36.20
30	TU1217WNR-30S-*-*	36.25	42.45

Wafer

Right Angle SMT Type With Boss

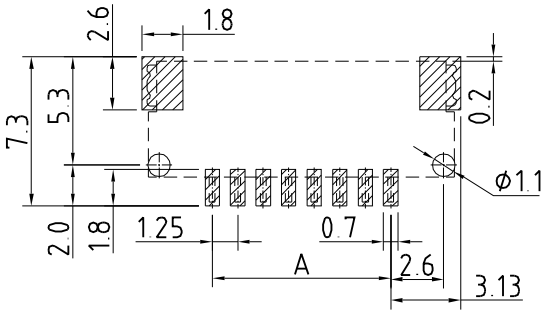
Features

Available Number of Circuits : 02 - 30

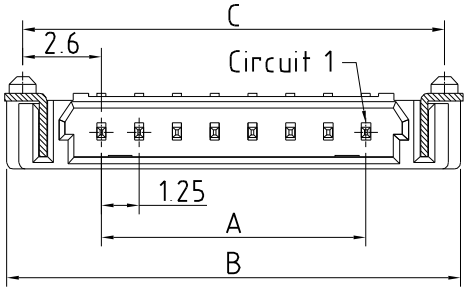
Material : High Temperature Thermoplastic 94V-0

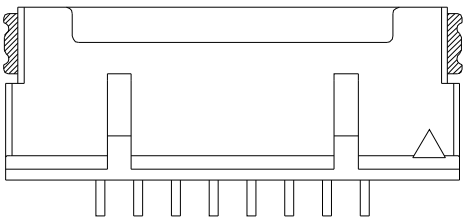
Contact: 0.3mm(.012") Copper Alloy , Tin-plated

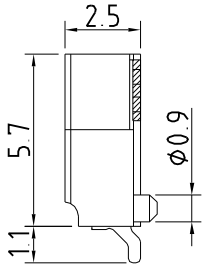
Mates with : TU1217 Series Housing



P.C.B LAYOUT







Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1217WNR-02SF-*-*	1.25	7.50
3	TU1217WNR-03SF-*-*	2.50	8.75
4	TU1217WNR-04SF-*-*	3.75	10.00
5	TU1217WNR-05SF-*-*	5.00	11.25
6	TU1217WNR-06SF-*-*	6.25	12.50
7	TU1217WNR-07SF-*-*	7.50	13.75
8	TU1217WNR-08SF-*-*	8.75	15.00
9	TU1217WNR-09SF-*-*	10.00	16.25
10	TU1217WNR-10SF-*-*	11.25	17.50
12	TU1217WNR-12SF-*-*	13.75	20.00
15	TU1217WNR-15SF-*-*	17.50	23.75
20	TU1217WNR-20SF-*-*	23.75	30.00
25	TU1217WNR-25SF-*-*	30.00	36.25
30	TU1217WNR-30SF-*-*	36.25	42.50

TU1217 SERIES

1.25mm Pitch Wire To Board Connector

Unit : mm

Wafer

Right Angle SMT W1-Type

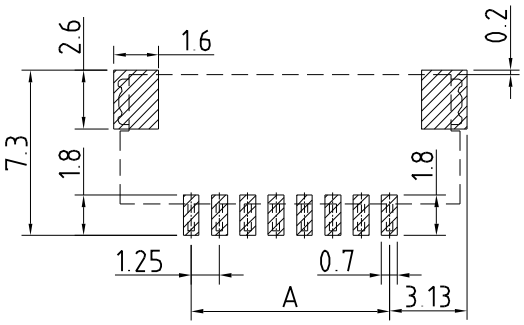
Features

Available Number of Circuits : 02 - 30

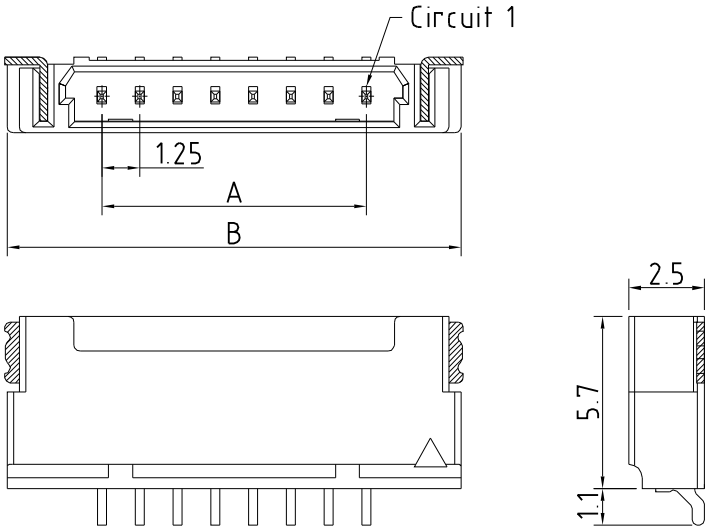
Material : High Temperature Thermoplastic 94V-0

Contact: 0.3mm(.012") Copper Alloy , Tin-plated

Mates with : TU1217 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1217WNR-02S-W1-*	1.25	7.45
3	TU1217WNR-03S-W1-*	2.50	8.70
4	TU1217WNR-04S-W1-*	3.75	9.95
5	TU1217WNR-05S-W1-*	5.00	11.20
6	TU1217WNR-06S-W1-*	6.25	12.45
7	TU1217WNR-07S-W1-*	7.50	13.70
8	TU1217WNR-08S-W1-*	8.75	14.95
9	TU1217WNR-09S-W1-*	10.00	16.20
10	TU1217WNR-10S-W1-*	11.25	17.45
12	TU1217WNR-12S-W1-*	13.75	19.95
15	TU1217WNR-15S-W1-*	17.50	23.70
20	TU1217WNR-20S-W1-*	23.75	29.95
25	TU1217WNR-25S-W1-*	30.00	36.20
30	TU1217WNR-30S-W1-*	36.25	42.45

Wafer

Right Angle SMT W1-Type With Post

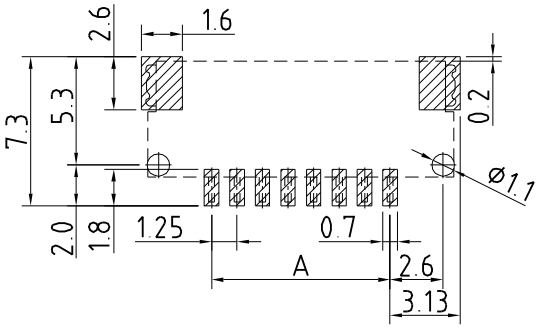
Features

Available Number of Circuits : 02 - 30

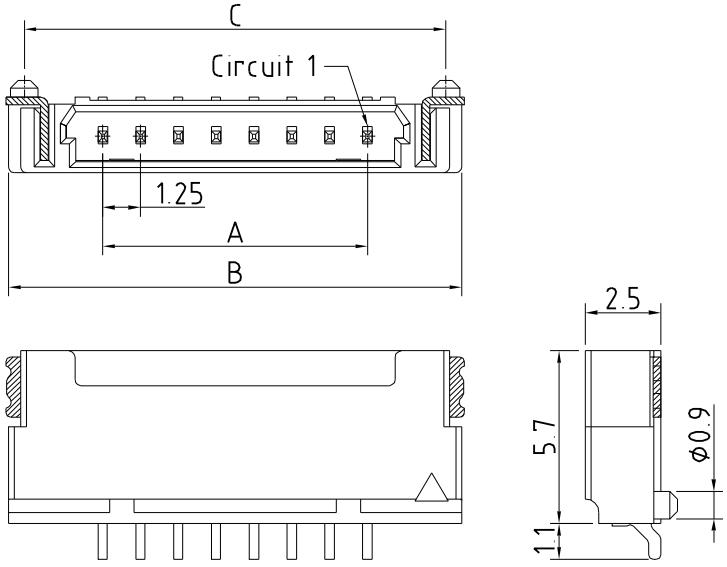
Material : High Temperature Thermoplastic 94V-0

Contact: 0.3mm(.012") Copper Alloy , Tin-plated

Mates with : TU1217 Series Housing



P.C.B LAYOUT

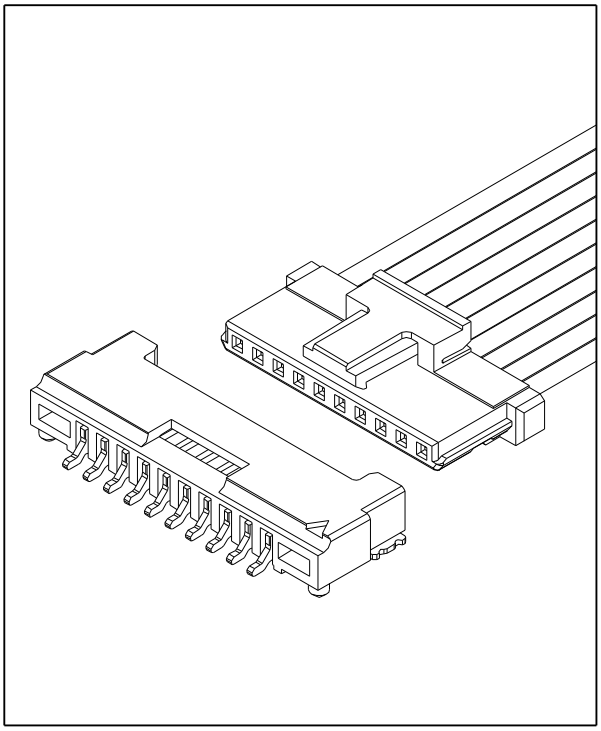


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1217WNR-02SF-W1-*	1.25	7.45
3	TU1217WNR-03SF-W1-*	2.50	8.70
4	TU1217WNR-04SF-W1-*	3.75	9.95
5	TU1217WNR-05SF-W1-*	5.00	11.20
6	TU1217WNR-06SF-W1-*	6.25	12.45
7	TU1217WNR-07SF-W1-*	7.50	13.70
8	TU1217WNR-08SF-W1-*	8.75	14.95
9	TU1217WNR-09SF-W1-*	10.00	16.20
10	TU1217WNR-10SF-W1-*	11.25	17.45
12	TU1217WNR-12SF-W1-*	13.75	19.95
15	TU1217WNR-15SF-W1-*	17.50	23.70
20	TU1217WNR-20SF-W1-*	23.75	29.95
25	TU1217WNR-25SF-W1-*	30.00	36.20
30	TU1217WNR-30SF-W1-*	36.25	42.45

TU1218 SERIES

1.25mm Pitch Wire To Board Connector

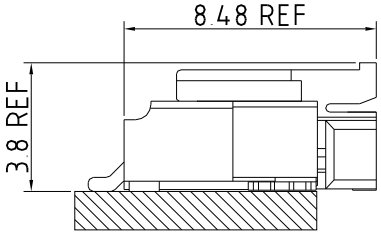


Specification

Circuits	02 - 30
Pitch	1.25mm
Current Rating	1A AC/DC
Voltage Rating	150V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #28 - #34

Assembly Layout

Right Angle SMT-Type



TU1218 * - NP * - *
① ② ③ ④ ⑤

① Part No. TU1218	④ Mount Type S : SMT-Type Wafer SF : SMT-Type Wafer With Post	
② Connection Type: HNO : Terminal Socket WNR : Right Angle Wafer	⑤ Contact Plating Code Blank : As Specified	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1218 SERIES

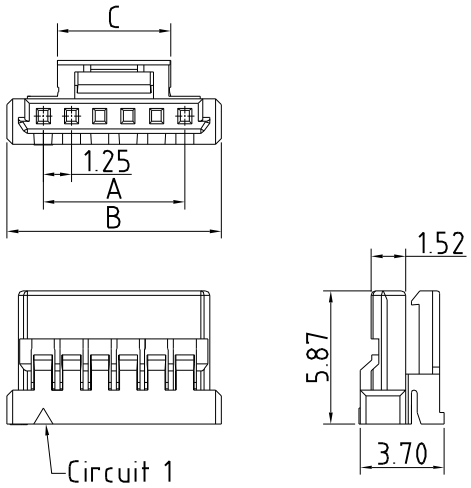
1.25mm Pitch Wire To Board Connector

Unit : mm

Housing

Features

Available Number of Circuits : 02 - 30
Material : Regular Thermoplastic 94V-0
Use with: TU1213 Crimp Terminal
Mates with : TU1218 Series Wafer



Dimension and Order Information

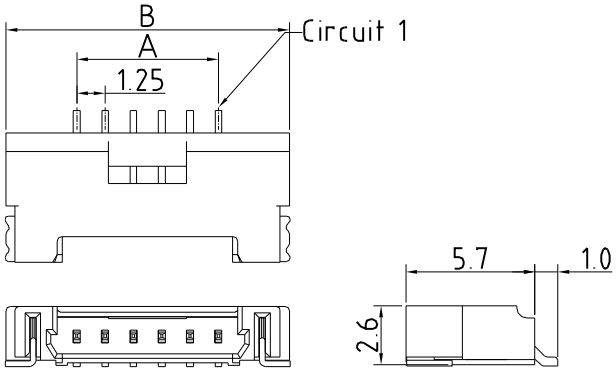
Circuits	Part No.	DIM.(mm)		
		A	B	C
2	TU1218HNO-02	1.25	4.45	2.25
3	TU1218HNO-03	2.50	5.70	3.50
4	TU1218HNO-04	3.75	6.95	5.00
5	TU1218HNO-05	5.00	8.20	5.00
6	TU1218HNO-06	6.25	9.45	5.00
7	TU1218HNO-07	7.50	10.70	5.00
8	TU1218HNO-08	8.75	11.95	5.00
9	TU1218HNO-09	10.00	13.20	5.00
10	TU1218HNO-10	11.25	14.45	5.00
11	TU1218HNO-11	12.50	15.70	7.20
12	TU1218HNO-12	13.75	16.95	7.20
13	TU1218HNO-13	15.00	18.20	7.20
14	TU1218HNO-14	16.25	19.45	7.20
15	TU1218HNO-15	17.50	20.70	7.20
20	TU1218HNO-20	23.75	26.95	7.20
25	TU1218HNO-25	30.00	33.20	7.20
30	TU1218HNO-30	36.25	39.45	7.20

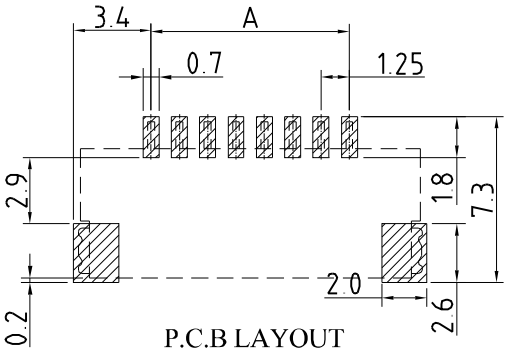
Wafer

Right Angle SMT -Type

Features

Available Number of Circuits : 02 - 30
Material : High Temperature Thermoplastic 94V-0
Contact: 0.3mm(.012") Copper Alloy , Tin-plated
Mates with : TU1218 Series Housing





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1218WNR-02S-*-*	1.25	7.50
3	TU1218WNR-03S-*-*	2.50	8.75
4	TU1218WNR-04S-*-*	3.75	10.00
5	TU1218WNR-05S-*-*	5.00	11.25
6	TU1218WNR-06S-*-*	6.25	12.50
7	TU1218WNR-07S-*-*	7.50	13.75
8	TU1218WNR-08S-*-*	8.75	15.00
9	TU1218WNR-09S-*-*	10.00	16.25
10	TU1218WNR-10S-*-*	11.25	17.50
11	TU1218WNR-11S-*-*	12.50	18.75
12	TU1218WNR-12S-*-*	13.75	20.00
13	TU1218WNR-13S-*-*	15.00	21.25
14	TU1218WNR-14S-*-*	16.25	22.50
15	TU1218WNR-15S-*-*	17.50	23.75
20	TU1218WNR-20S-*-*	23.75	30.00
25	TU1218WNR-25S-*-*	30.00	36.25
30	TU1218WNR-30S-*-*	36.25	42.50

TU1218 SERIES

1.25mm Pitch Wire To Board Connector

Unit : mm

Wafer

Right Angle SMT -Type With Post

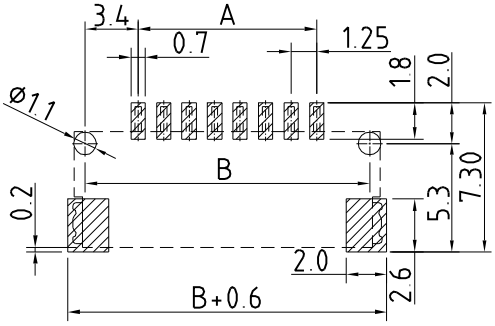
Features

Available Number of Circuits : 02 - 30

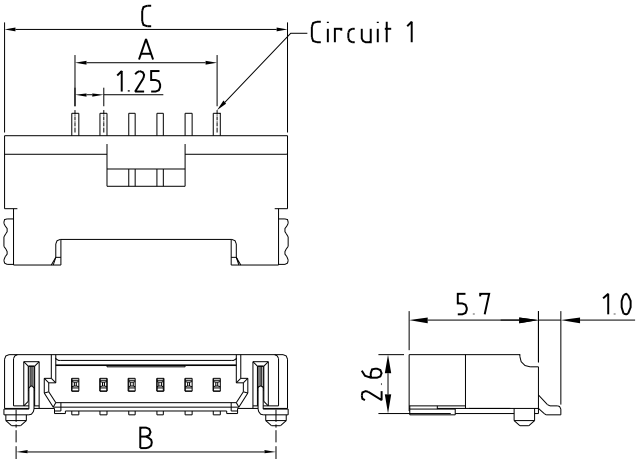
Material : High Temperature Thermoplastic 94V-0

Contact: 0.3mm(.012") Copper Alloy , Tin-plated

Mates with : TU1218 Series Housing



P.C.B LAYOUT

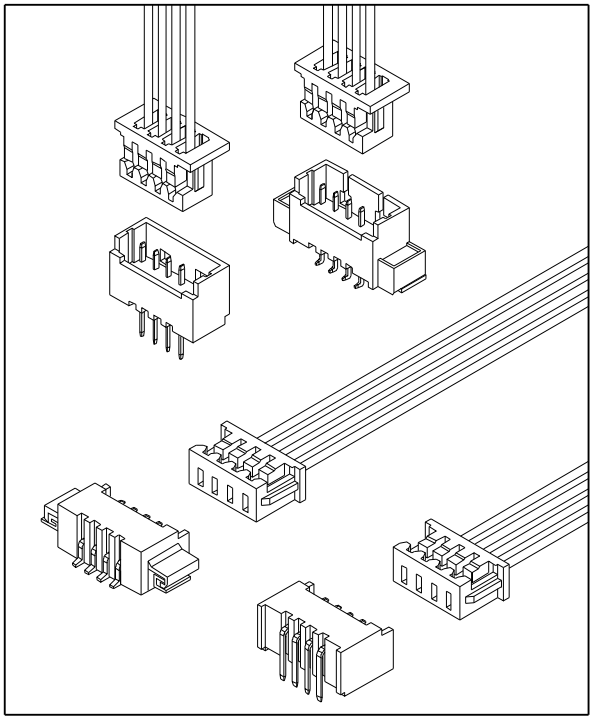


Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
2	TU1218WNR-02SF-*-*	1.25	6.45	7.50
3	TU1218WNR-03SF-*-*	2.50	7.70	8.75
4	TU1218WNR-04SF-*-*	3.75	8.95	10.00
5	TU1218WNR-05SF-*-*	5.00	10.20	11.25
6	TU1218WNR-06SF-*-*	6.25	11.45	12.50
7	TU1218WNR-07SF-*-*	7.50	12.70	13.75
8	TU1218WNR-08SF-*-*	8.75	13.95	15.00
9	TU1218WNR-09SF-*-*	10.00	15.20	16.25
10	TU1218WNR-10SF-*-*	11.25	16.45	17.50
11	TU1218WNR-11SF-*-*	12.50	17.70	18.75
12	TU1218WNR-12SF-*-*	13.75	18.95	20.00
13	TU1218WNR-13SF-*-*	15.00	20.20	21.25
14	TU1218WNR-14SF-*-*	16.25	21.45	22.50
15	TU1218WNR-15SF-*-*	17.50	22.70	23.75
20	TU1218WNR-20SF-*-*	23.75	28.95	30.00
25	TU1218WNR-25SF-*-*	30.00	35.20	36.25
30	TU1218WNR-30SF-*-*	36.25	41.45	42.50

TU1252 SERIES

1.25mm Pitch Wire To Board Connector



Specification

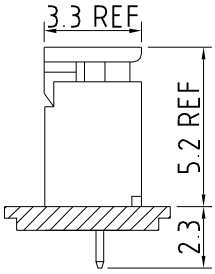
Circuits	02 - 20
Pitch	1.25mm
Current Rating	3A AC/DC (AWG#26) 2.3A AC/DC (AWG#28) 1A AC/DC (AWG#30~34)
Voltage Rating	100V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	250V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #28 - #34
Applicable P.C.B Thickness	0.8mm-1.2mm
Applicable P.C.B Hole Dia.	ϕ 0.5mm ± 0.05

TU1252

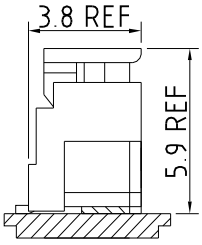
Assembly Layout

Vertical Type

DIP-Type

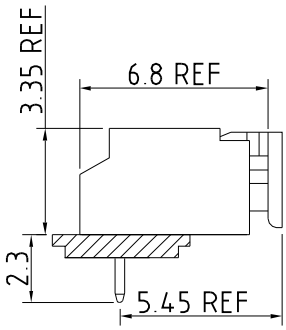


SMT-Type

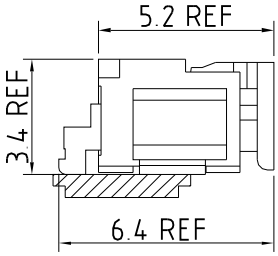


Right Angle Type

DIP-Type



SMT-Type



TU1252 * - NP * - * - * - *
① ② ③ ④ ⑤ ⑥ ⑦

① Part No. TU1252	④ Mount Type Blank : DIP-Type Wafer S : SMT-Type Wafer	⑥ Material Code Blank : As Specified M7 : Nylon 9T UL 94V-0
② Connection Type: HNO : Terminal Socket WNV : Straight Wafer WNR : Right Angle Wafer	⑤ Contact Plating Code Blank : As Specified GO : Gold-flash over Nickel G*: Gold *u" Over Nickel	⑦ Product Color Blank : As Specified C* : Color of number
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1252 SERIES

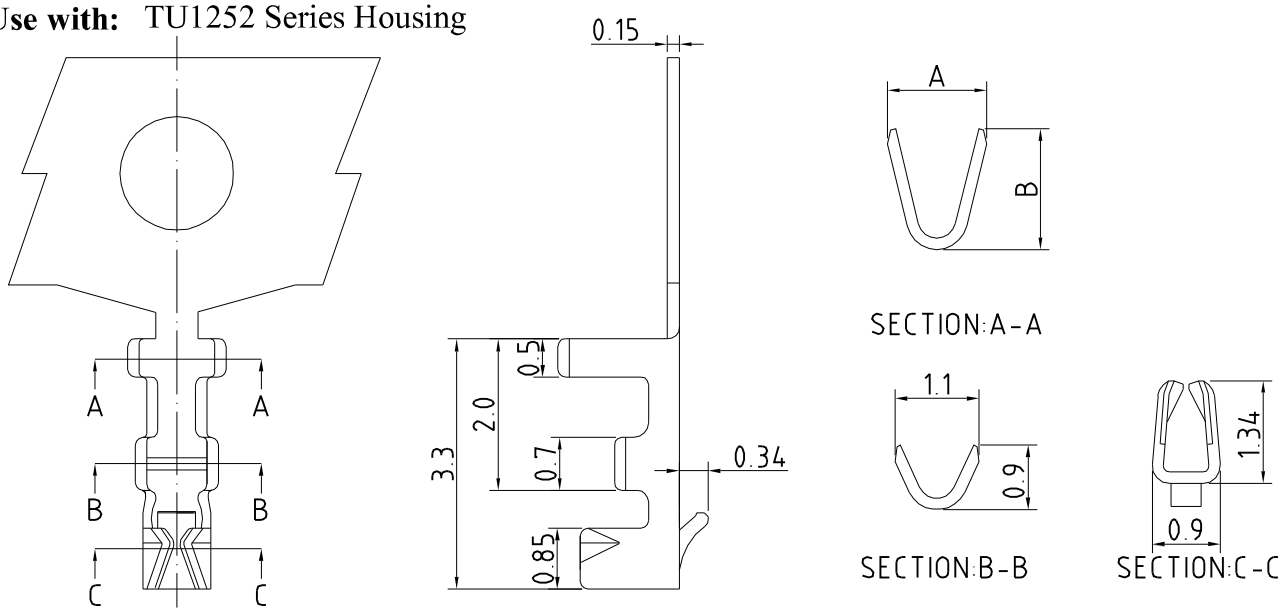
1.25mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU1252 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)		Material	Finish	Q'ty/Reel
			A	B			
TU1252TPL-*	AWG #32-#34	0.60mm(MAX.)	1.2	1.0	Phosphor bronze	See note	15,000pcs
TU1252TPO-*	AWG #28-#32	1.00mm(MAX.)	1.4	1.6			

Note:

For this product in a different specification please contact TYU for more information

Housing

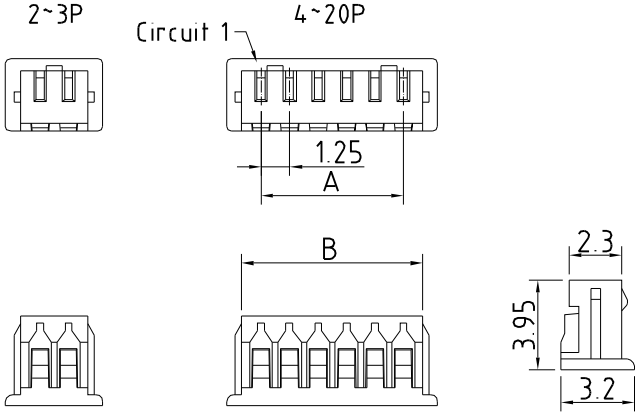
Features

Available Number of Circuits: 02 - 20

Material: :Regular Thermoplastic 94V-0

Use with: TU1252 Crimp Terminal

Mates with : TU1252 Series Wafer or
TY1252 Female Housing



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1252HNO-02-*	1.25	2.95
3	TU1252HNO-03-*	2.50	4.20
4	TU1252HNO-04-*	3.75	5.45
5	TU1252HNO-05-*	5.00	6.70
6	TU1252HNO-06-*	6.25	7.95
7	TU1252HNO-07-*	7.50	9.20
8	TU1252HNO-08-*	8.75	10.45
9	TU1252HNO-09-*	10.00	11.70
10	TU1252HNO-10-*	11.25	12.95
11	TU1252HNO-11-*	12.50	14.20
12	TU1252HNO-12-*	13.75	15.45
13	TU1252HNO-13-*	15.00	16.70
14	TU1252HNO-14-*	16.25	17.95
15	TU1252HNO-15-*	17.50	19.20
16	TU1252HNO-16-*	18.75	20.45
17	TU1252HNO-17-*	20.00	21.70
18	TU1252HNO-18-*	21.25	22.95
19	TU1252HNO-19-*	22.50	24.20
20	TU1252HNO-20-*	23.75	25.45

TU1252 SERIES

1.25mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical

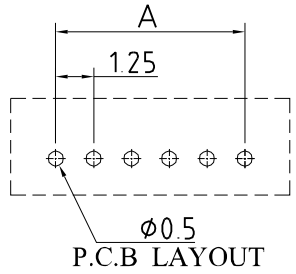
Features

Available Number of Circuits : 02 - 20

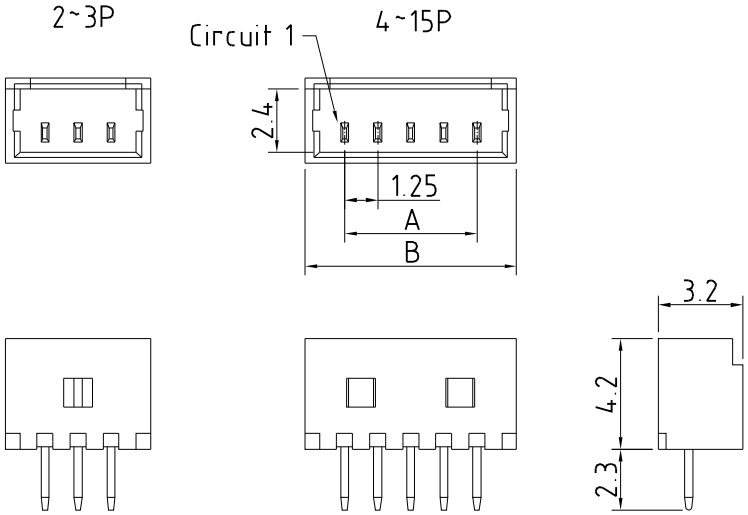
Material : High Temperature Thermoplastic 94V-0

Contact : 0.3mm(.012") Copper Alloy , Tin-plated

Mates with : TU1252 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1252WNV-02-*-*	1.25	4.25
3	TU1252WNV-03-*-*	2.50	5.50
4	TU1252WNV-04-*-*	3.75	6.75
5	TU1252WNV-05-*-*	5.00	8.00
6	TU1252WNV-06-*-*	6.25	9.25
7	TU1252WNV-07-*-*	7.50	10.50
8	TU1252WNV-08-*-*	8.75	11.75
9	TU1252WNV-09-*-*	10.00	13.00
10	TU1252WNV-10-*-*	11.25	14.25
11	TU1252WNV-11-*-*	12.50	15.50
12	TU1252WNV-12-*-*	13.75	16.75
13	TU1252WNV-13-*-*	15.00	18.00
14	TU1252WNV-14-*-*	16.25	19.25
15	TU1252WNV-15-*-*	17.50	20.50
16	TU1252WNV-16-*-*	18.75	21.75
17	TU1252WNV-17-*-*	20.00	23.00
18	TU1252WNV-18-*-*	21.25	24.25
19	TU1252WNV-19-*-*	22.50	25.50
20	TU1252WNV-20-*-*	23.75	26.75

Wafer Right Angle

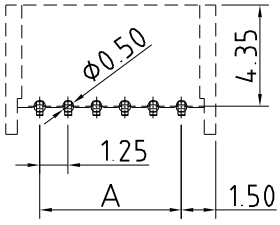
Features

Available Number of Circuits : 02 - 20

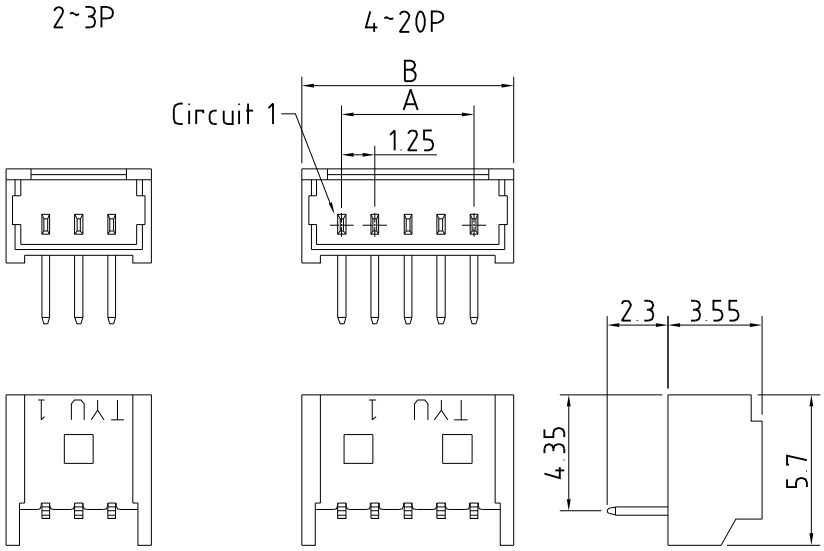
Material : High Temperature Thermoplastic 94V-0

Contact : 0.3mm(.012") Copper Alloy , Tin-plated

Mates with : TU1252 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1252WNR-02-*-*	1.25	4.25
3	TU1252WNR-03-*-*	2.50	5.50
4	TU1252WNR-04-*-*	3.75	6.75
5	TU1252WNR-05-*-*	5.00	8.00
6	TU1252WNR-06-*-*	6.25	9.25
7	TU1252WNR-07-*-*	7.50	10.50
8	TU1252WNR-08-*-*	8.75	11.75
9	TU1252WNR-09-*-*	10.00	13.00
10	TU1252WNR-10-*-*	11.25	14.25
11	TU1252WNR-11-*-*	12.50	15.50
12	TU1252WNR-12-*-*	13.75	16.75
13	TU1252WNR-13-*-*	15.00	18.00
14	TU1252WNR-14-*-*	16.25	19.25
15	TU1252WNR-15-*-*	17.50	20.50
16	TU1252WNR-16-*-*	18.75	21.75
17	TU1252WNR-17-*-*	20.00	23.00
18	TU1252WNR-18-*-*	21.25	24.25
19	TU1252WNR-19-*-*	22.50	25.50
20	TU1252WNR-20-*-*	23.75	25.75

TU1252 SERIES

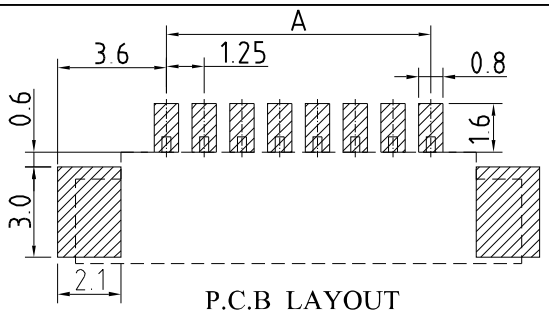
1.25mm Pitch Wire To Board Connector

Unit : mm

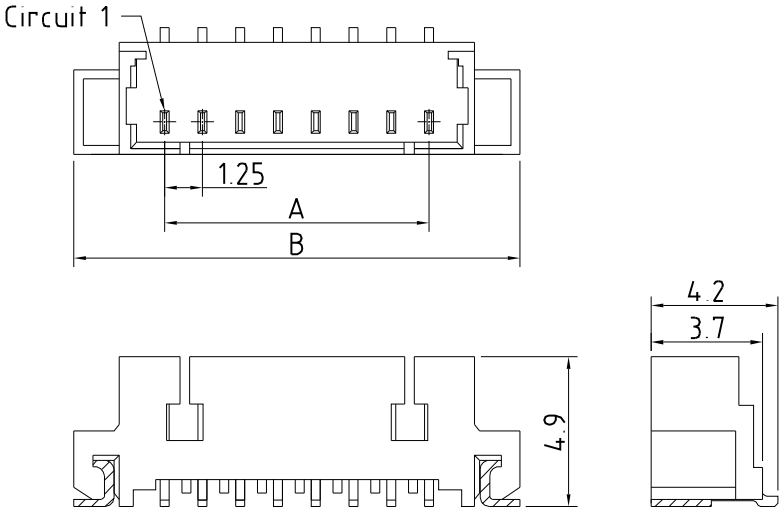
Wafer Vertical SMT Type

Features

Available Number of Circuits : 02 - 20
Material : High Temperature Thermoplastic 94V-0
Contact : 0.3mm(.012") Copper Alloy , Tin-plated
Mates with : TU1252 Series Housing



P.C.B LAYOUT



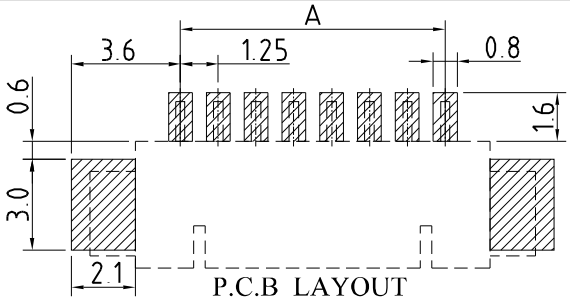
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1252WNV-02S-*-*	1.25	7.25
3	TU1252WNV-03S-*-*	2.50	8.50
4	TU1252WNV-04S-*-*	3.75	9.75
5	TU1252WNV-05S-*-*	5.00	11.20
6	TU1252WNV-06S-*-*	6.25	12.25
7	TU1252WNV-07S-*-*	7.50	13.50
8	TU1252WNV-08S-*-*	8.75	14.75
9	TU1252WNV-09S-*-*	10.00	16.00
10	TU1252WNV-10S-*-*	11.25	17.25
11	TU1252WNV-11S-*-*	12.50	18.50
12	TU1252WNV-12S-*-*	13.75	19.75
13	TU1252WNV-13S-*-*	15.00	21.00
14	TU1252WNV-14S-*-*	16.25	22.25
15	TU1252WNV-15S-*-*	17.50	23.50
16	TU1252WNV-16S-*-*	18.75	24.75
17	TU1252WNV-17S-*-*	20.00	26.00
18	TU1252WNV-18S-*-*	21.25	27.25
19	TU1252WNV-19S-*-*	22.50	28.50
20	TU1252WNV-20S-*-*	23.75	29.75

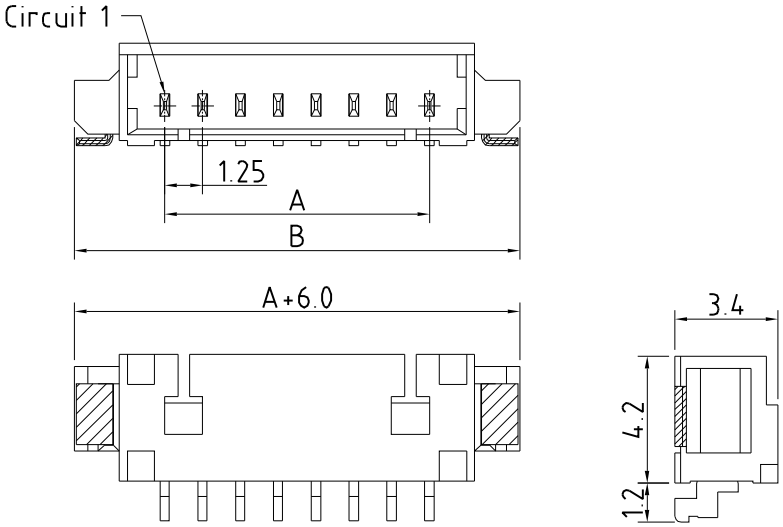
Wafer Right Angle SMT Type

Features

Available Number of Circuits : 02 - 20
Material : High Temperature Thermoplastic 94V-0
Contact: 0.3mm(.012") Copper Alloy , Tin-plated
Mates with : TU1252 Series Housing



P.C.B LAYOUT

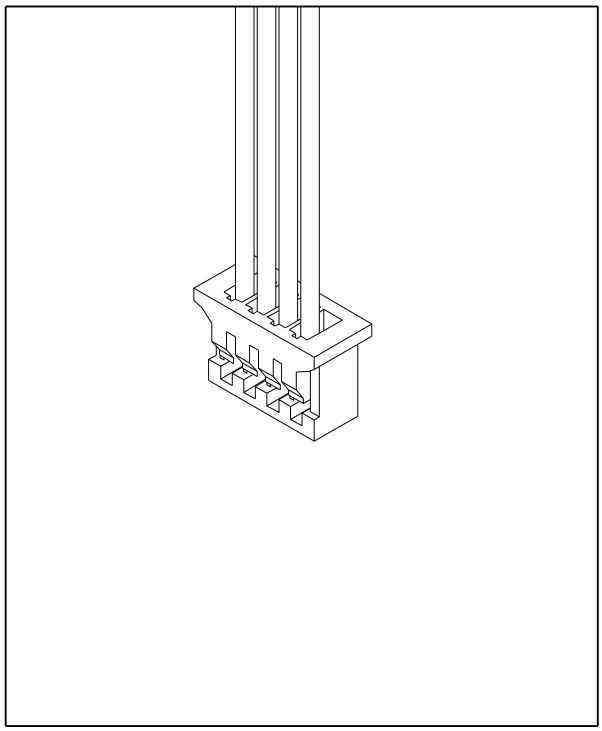


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1252WNR-02S-*-*	1.25	7.35
3	TU1252WNR-03S-*-*	2.50	8.50
4	TU1252WNR-04S-*-*	3.75	7.95
5	TU1252WNR-05S-*-*	5.00	11.00
6	TU1252WNR-06S-*-*	6.25	12.25
7	TU1252WNR-07S-*-*	7.50	13.50
8	TU1252WNR-08S-*-*	8.75	14.75
9	TU1252WNR-09S-*-*	10.00	16.00
10	TU1252WNR-10S-*-*	11.25	17.25
11	TU1252WNR-11S-*-*	12.50	18.50
12	TU1252WNR-12S-*-*	13.75	19.75
13	TU1252WNR-13S-*-*	15.00	21.00
14	TU1252WNR-14S-*-*	16.25	22.25
15	TU1252WNR-15S-*-*	17.50	23.50
16	TU1252WNR-16S-*-*	18.75	24.75
20	TU1252WNR-20S-*-*	20.00	26.00
20	TU1252WNR-20S-*-*	21.25	27.25
20	TU1252WNR-20S-*-*	22.50	28.50
20	TU1252WNR-20S-*-*	23.75	29.75

TU1253 SERIES

1.25mm Pitch Wire To Board Connector



Specification

Circuits	02 - 15
Pitch	1.25mm
Current Rating	1A AC/DC
Voltage Rating	100V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #28 - #32

Assembly Layout

TU1253 * - NP
① ② ③

① Part No. TU1253		
② Connection Type: HNO : Terminal Socket		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1253 SERIES

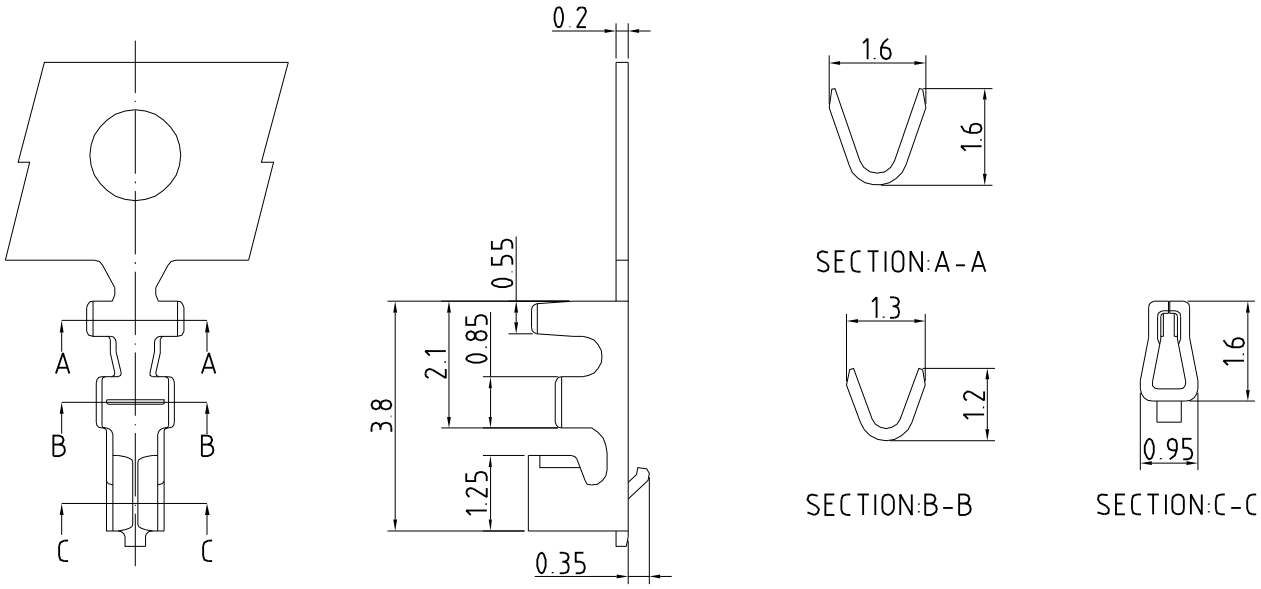
1.25mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU1253 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU1253TPO-*	AWG #28-#32	1.00mm(MAX.)	Phosphor bronze	See note	15,000 pcs

Note:

For this product in a different specification please contact TYU for more information

Housing

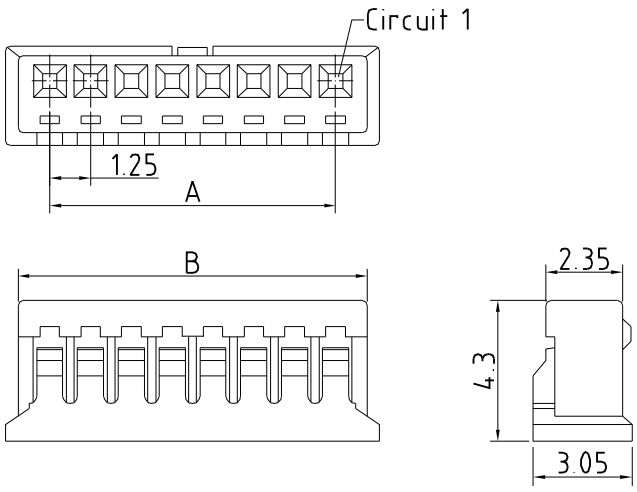
Features

Available Number of Circuits: 02 - 15

Material: Regular Thermoplastic 94V-0

Use with: TU1253 Crimp Terminal

Mates with : TU1253 Series Wafer

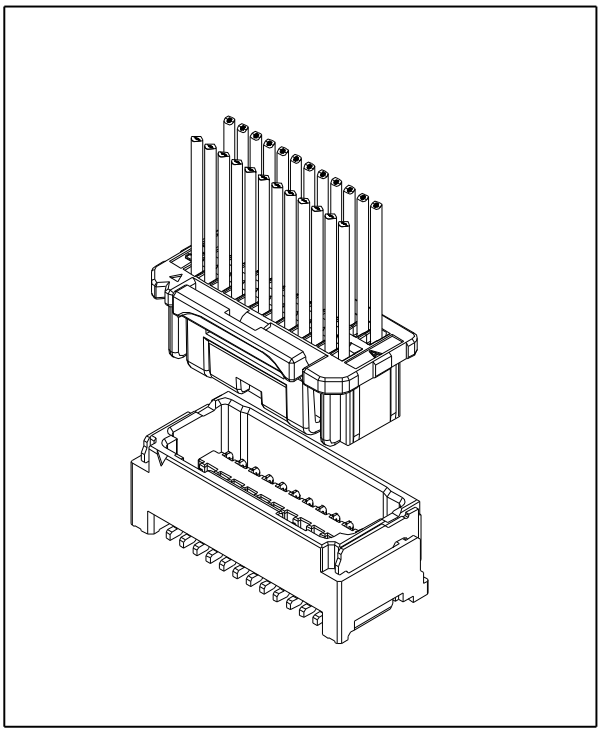


Dimension and Order Information

Circuits	Part No.	DIM.(mm) A	DIM.(mm) B
2	TU1253HNO-02-*	1.25	3.19
3	TU1253HNO-03-*	2.50	4.44
4	TU1253HNO-04-*	3.75	5.69
5	TU1253HNO-05-*	5.00	6.95
6	TU1253HNO-06-*	6.25	8.19
7	TU1253HNO-07-*	7.50	9.44
8	TU1253HNO-08-*	8.75	10.69
9	TU1253HNO-09-*	10.00	11.94
10	TU1253HNO-10-*	11.25	13.19
11	TU1253HNO-11-*	12.50	14.44
12	TU1253HNO-12-*	13.75	15.69
13	TU1253HNO-13-*	15.00	16.94
14	TU1253HNO-14-*	16.25	18.19
15	TU1253HNO-15-*	17.50	19.44

TU1256 SERIES

1.25mm Pitch Wire To Board Connector



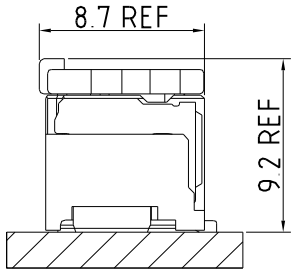
Specification

Circuits	1x02 ~ 1x21
Pitch	1.25mm
Current Rating	1.5A AC/DC (AWG#26)
	1.3A AC/DC (AWG#28)
	1.1A AC/DC (AWG#30)
Voltage Rating	50V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-40°C ~ +105°C
Applicable Wire Range	AWG #26 ~ #30

TU1256

Assembly Layout

Vertical SMT Type



TU1256 * - 2xNP * 0 - * 0 *
① ② ③ ④ ⑤ ⑥

TU1256 HNO - 2xNP *
① ② ③ ④

① Part No. TU1256

② Connection Type:
HNO : Terminal Socket
WNV : Vertical Wafer

③ Number of Contacts:
2xNP : Dual row

④ Mount Type(WNV)
6: SMT-Type Wafer with mylar

④ Product Color(HNO)
Blank : As Specified
C* : Color of number

⑤ Contact Plating Code
A: Matte-Tin over Nickel
0: Gold-flash over Nickel

⑥ Product Color
1: Black

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1256 SERIES

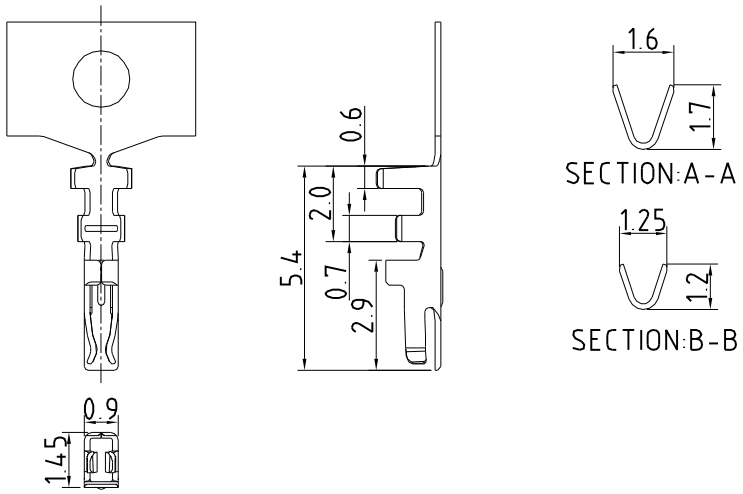
1.25mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU1256 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU1256TPO-*	AWG #26-#30	1.00mm(MAX.)	Phosphor bronze	See note	15,000pcs

Note:

For this product in a different specification please contact TYU for more information

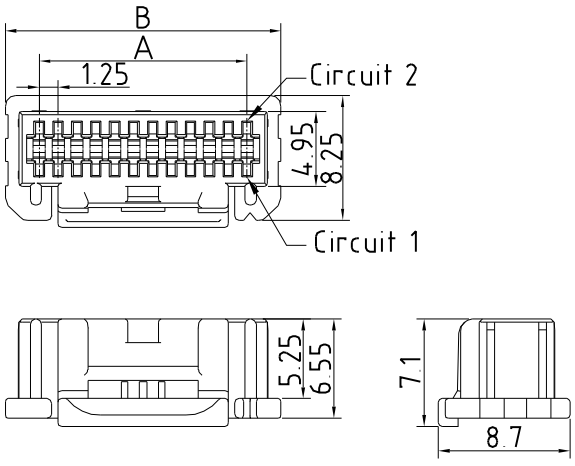
Housing

Features

Available Number of Circuits: 2x04 - 2x22

Material: Regular Thermoplastic 94V-0

Use with: TU1256 Crimp Terminal



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
8	TU1256HNO-2x04-*	3.75	8.25
10	TU1256HNO-2x05-*	5.00	9.50
12	TU1256HNO-2x06-*	6.25	10.75
14	TU1256HNO-2x07-*	7.50	12.00
16	TU1256HNO-2x08-*	8.75	13.25
18	TU1256HNO-2x09-*	10.00	14.50
20	TU1256HNO-2x10-*	11.25	15.75
22	TU1256HNO-2x11-*	12.50	17.00
24	TU1256HNO-2x12-*	13.75	18.25
26	TU1256HNO-2x13-*	15.00	19.50
28	TU1256HNO-2x14-*	16.25	20.75
30	TU1256HNO-2x15-*	17.50	22.00
32	TU1256HNO-2x16-*	18.75	23.25
34	TU1256HNO-2x17-*	20.00	24.50
36	TU1256HNO-2x18-*	21.25	25.75
38	TU1256HNO-2x19-*	22.50	27.00
40	TU1256HNO-2x20-*	23.75	28.25
42	TU1256HNO-2x21-*	25.00	29.50

TU1256 SERIES

1.25mm Pitch Wire To Board Connector

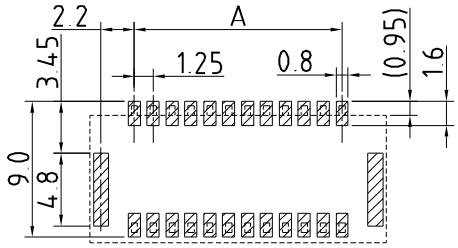
Unit : mm

Wafer

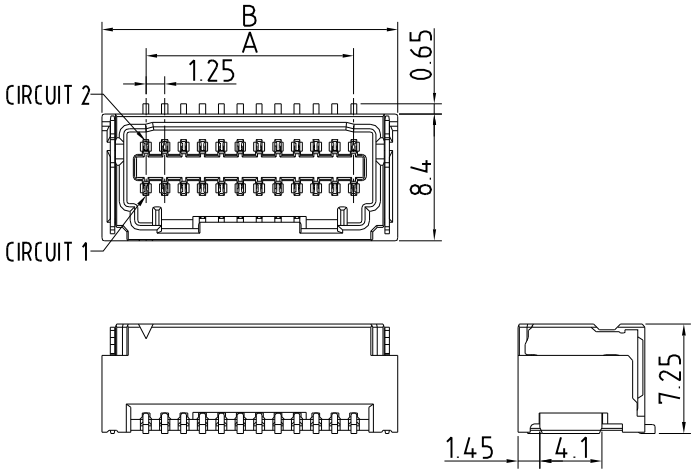
Right Angle SMT Type

Features

Available Number of Circuits : 2x04 ~ 2x21
Material : High Temperature Thermoplastic 94V-0
Contact : 0.40mm(.016") Flat Pin Copper alloy,Tin-plated
Mates with : TU1256 Series Housing



P.C.B LAYOUT

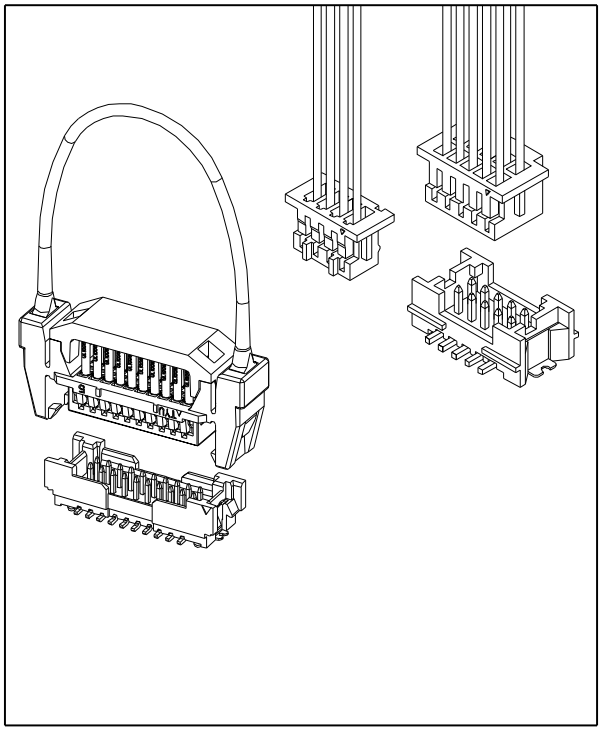


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
8	TU1256WNR-2x046K-*0*	3.75	9.60
10	TU1256WNR-2x056K-*0*	5.00	10.85
12	TU1256WNR-2x066K-*0*	6.25	12.10
14	TU1256WNR-2x076K-*0*	7.50	13.35
16	TU1256WNR-2x086K-*0*	8.75	14.60
18	TU1256WNR-2x096K-*0*	10.00	15.85
20	TU1256WNR-2x106K-*0*	11.25	17.10
22	TU1256WNR-2x116K-*0*	12.50	18.35
24	TU1256WNR-2x126K-*0*	13.75	19.60
26	TU1256WNR-2x136K-*0*	15.00	20.85
28	TU1256WNR-2x146K-*0*	16.25	22.10
30	TU1256WNR-2x156K-*0*	17.50	23.35
32	TU1256WNR-2x166K-*0*	18.75	24.60
34	TU1256WNR-2x176K-*0*	20.00	25.85
36	TU1256WNR-2x186K-*0*	21.25	27.10
38	TU1256WNR-2x196K-*0*	22.50	28.35
40	TU1256WNR-2x206K-*0*	23.75	29.60
42	TU1256WNR-2x216K-*0*	25.00	30.85

TU1257 SERIES

1.25mm Pitch Wire To Board Connector

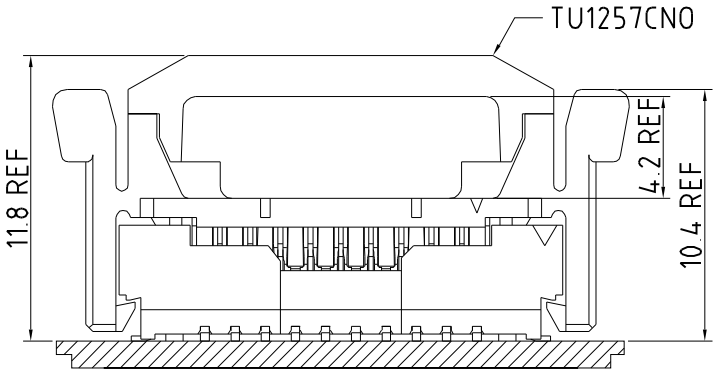


Specification

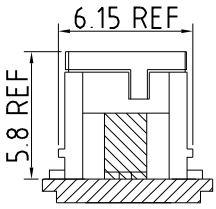
Circuits	02-15 , 2x05-2x20
Pitch	1.25mm
Current Rating	1A AC/DC
Voltage Rating	100V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #26 - #32
Applicable P.C.B Thickness	0.8mm - 1.2mm
Applicable P.C.B Hole Dia.	Ø0.6mm ± 0.05

Assembly Layout

Vertical Dual Row With Lock SMT Type



Vertical Dual Row SMT Type



TU1257 * - * x NP * - * - *
① ② ③ ④ ⑤ ⑥

① Part No. TU1257

② Connection Type:
HNO : Terminal Socket
BET : Pull Tab
CNO : Insulator
WNV : Vertical Wafer
WNR : Right Angle Wafer

③ Number of Contacts:
1xNP : Single Row
2xNP : Dual Row

④ Mount Type
S : SMT-Type Wafer
KA : Lock Type
SKA : SMT With Lock Type Wafer

⑤ Contact Plating Code
Blank :As Specified
GO : Gold-flasd over Nicke
G* : *u" Gold Plated over Nickel

⑥ Product Color
Blank : As Specified
C* : Color of number

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1257 SERIES

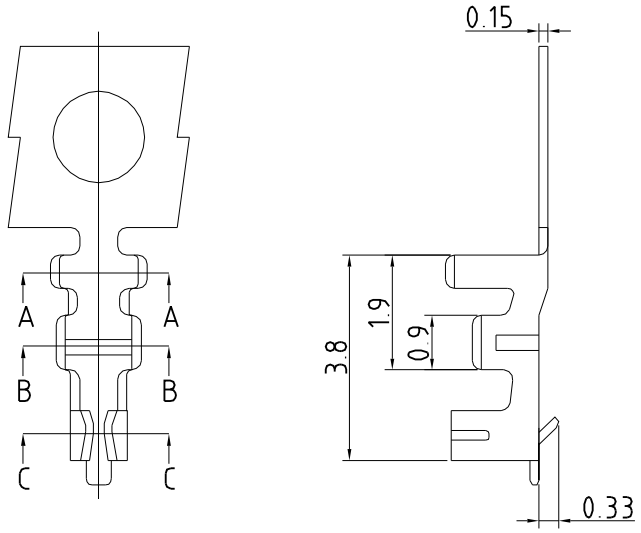
1.25mm Pitch Wire To Board Connector

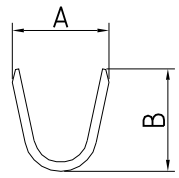
Unit : mm

Terminal

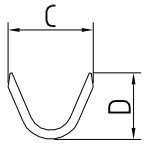
Features

Use with: TU1257 Series Housing

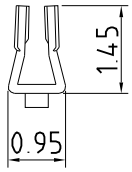




SECTION:A-A



SECTION:B-B



SECTION:C-C

CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TU1257TPO-*	AWG #26-#28	0.90mm(MAX.)	1.6	1.7	1.4	1.1	Phosphor bronze	See note	15,000pcs
TU1257TPL-*	AWG #30-#32	0.70mm(MAX.)	1.4	1.3	1.1	1.0			

Note:

For this product in a different specification please contact TYU for more information

Housing

Single Row

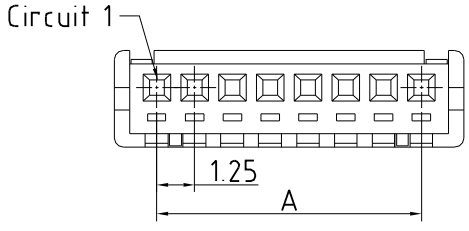
Features

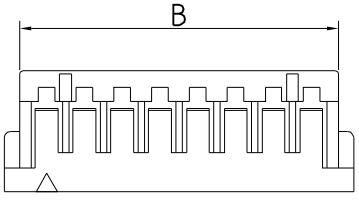
Available Number of Circuits: 02 - 15

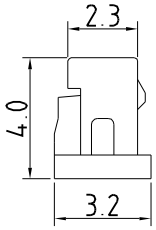
Material: Regular Thermoplastic 94V-0

Use with: TU1257 Crimp Terminal

Mates with : TU1257 Series Single Row Wafer







Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1257HNO-1x02	1.25	3.05
3	TU1257HNO-1x03	2.50	4.30
4	TU1257HNO-1x04	3.75	5.55
5	TU1257HNO-1x05	5.00	6.80
6	TU1257HNO-1x06	6.25	8.05
7	TU1257HNO-1x07	7.50	9.30
8	TU1257HNO-1x08	8.75	10.55
9	TU1257HNO-1x09	10.00	11.80
10	TU1257HNO-1x10	11.25	13.05
11	TU1257HNO-1x11	12.50	14.30
12	TU1257HNO-1x12	13.75	15.55
13	TU1257HNO-1x13	15.00	16.80
14	TU1257HNO-1x14	16.25	18.05
15	TU1257HNO-1x15	17.50	19.30

TU1257 SERIES

1.25mm Pitch Wire To Board Connector

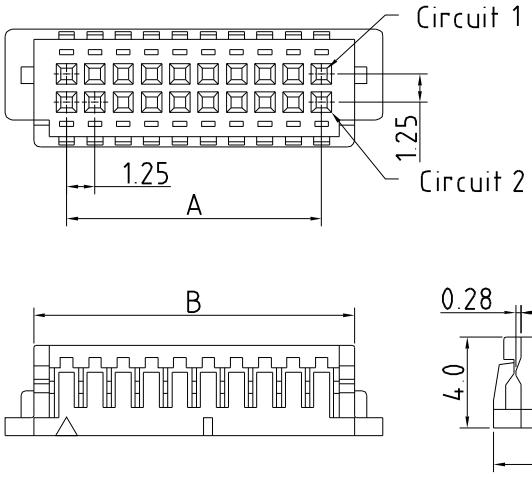
Unit : mm

Housing

Dual Row

Features

Available Number of Circuits: 2x05 - 2x20
Material: Regular Thermoplastic 94V-0
Use with: TU1257 Crimp Terminal
Mates with : TU1257 Series Dual Row Wafer



Dimension and Order Information

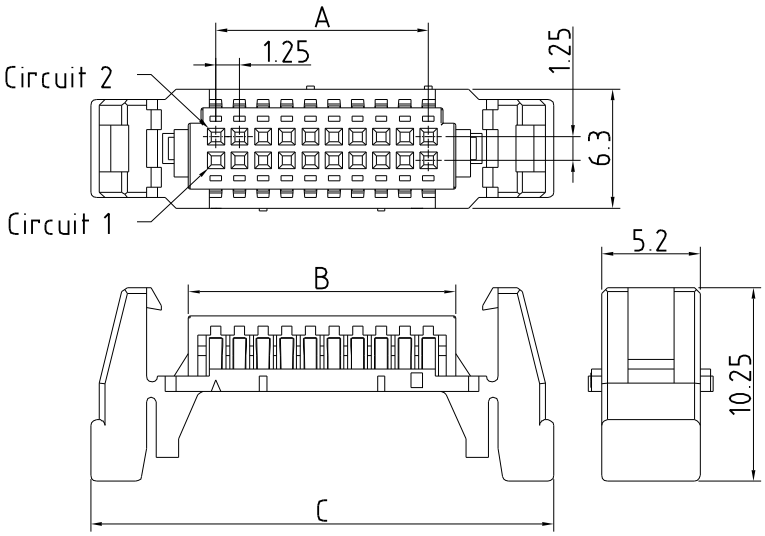
Circuits	Part No.	DIM.(mm)	
		A	B
10	TU1257HNO-2x05	5.00	7.90
12	TU1257HNO-2x06	6.25	9.15
20	TU1257HNO-2x10	11.25	14.15
30	TU1257HNO-2x15	17.50	20.40
40	TU1257HNO-2x20	23.75	26.65

Housing

Dual Row KA Type

Features

Available Number of Circuits: 2x05 - 2x20
Material: Regular Thermoplastic 94V-0
Use with: TU1257 Crimp Terminal
Mates with : TU1257 Series Dual Row K Type Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
10	TU1257HNO-2x05KA	5.00	7.90	18.25
20	TU1257HNO-2x10KA	11.25	14.15	24.50
22	TU1257HNO-2x12KA	13.75	16.65	27.00
30	TU1257HNO-2x15KA	17.50	20.40	30.75
34	TU1257HNO-2x17KA	20.20	22.90	33.25
40	TU1257HNO-2x20KA	23.75	26.65	37.00

TU1257 SERIES

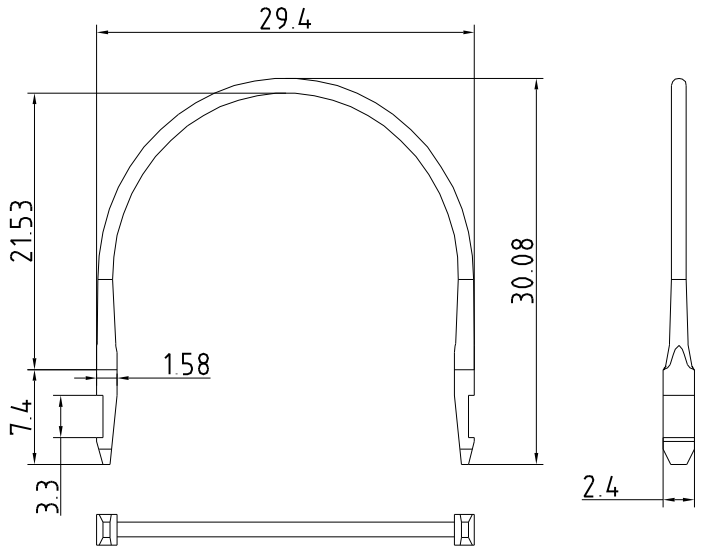
1.25mm Pitch Wire To Board Connector

Unit : mm

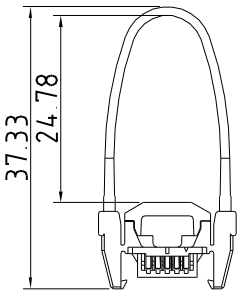
Pull Tab

Features

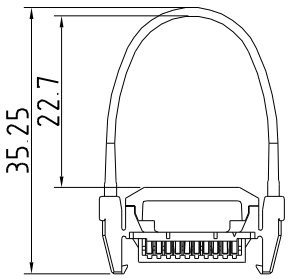
Available Number of Circuits: 2x15
Material: Regular Thermoplastic 94V-0
Use with: TU1257 KA Series Housing
Part No: TU1257BET-2X15



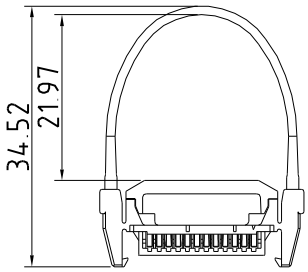
PULL TAB INSTALLATION CONDITION



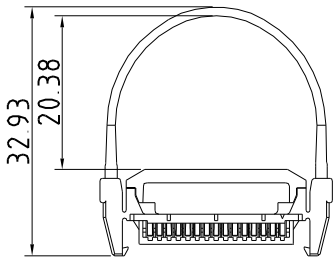
2X05



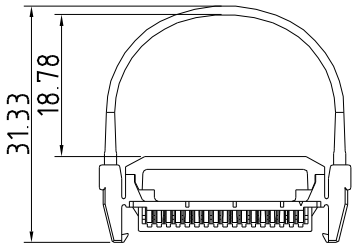
2X10



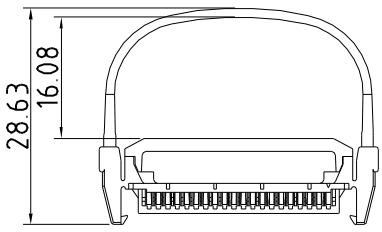
2X12



2X15



2X17



2X20

TU1257 SERIES

1.25mm Pitch Wire To Board Connector

Unit : mm

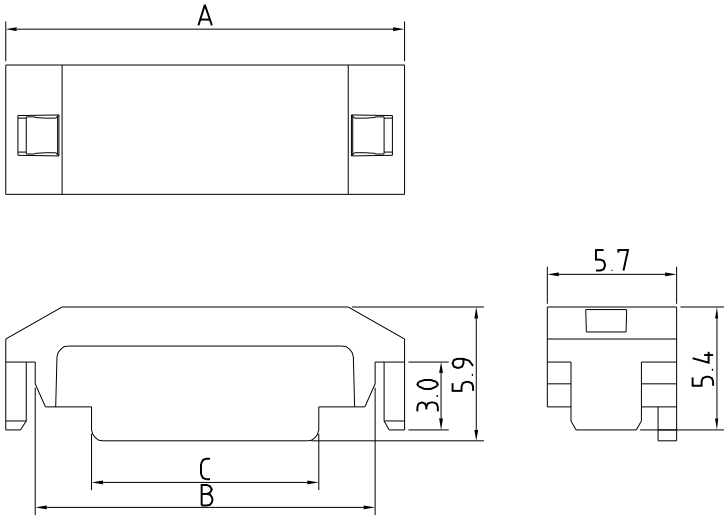
Pull Tab

Features

Available Number of Circuits: 2x05 - 2x20

Material: Regular Thermoplastic 94V-0

Use with: TU1257 KA Series Housing



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	B
10	TU1257CNO-2x05	11.35	8.75	3.75
20	TU1257CNO-2x10	17.60	15.00	10.00
30	TU1257CNO-2x15	23.85	21.25	16.25
40	TU1257CNO-2x20	30.10	27.50	22.50

Wafer

Vertical SMT Type

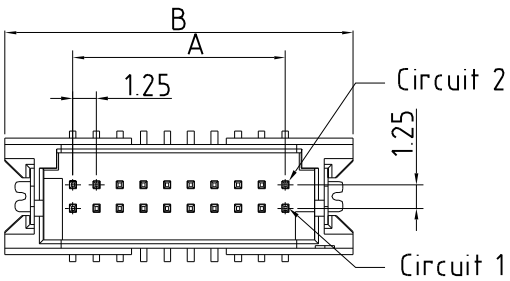
Features

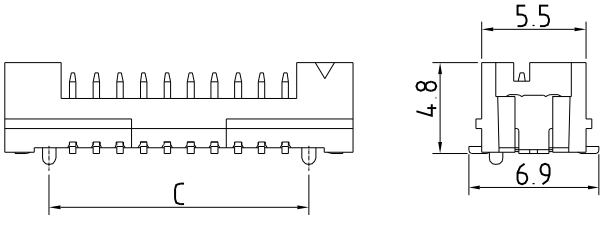
Available Number of Circuits : 2x05 - 2x20

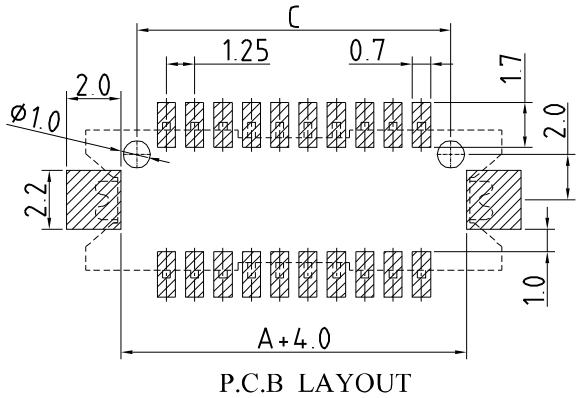
Material : High Temperature Thermoplastic 94V-0

Contact: 0.35mm(.014") Copper Alloy, Tin-plated

Mates with : TU1257 Series Dual Row Housing







P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
10	TU1257WNV-2x05S-*-*	5.00	12.20	7.50
12	TU1257WNV-2x06S-*-*	6.25	13.45	9.85
20	TU1257WNV-2x10S-*-*	11.25	18.45	13.75
30	TU1257WNV-2x15S-*-*	17.50	24.70	20.00
40	TU1257WNV-2x20S-*-*	23.75	30.95	26.25

TU1257 SERIES

1.25mm Pitch Wire To Board Connector

Unit : mm

Wafer

Vertical SK- Type

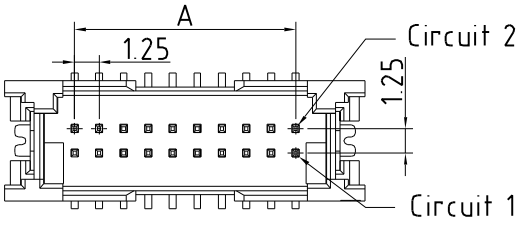
Features

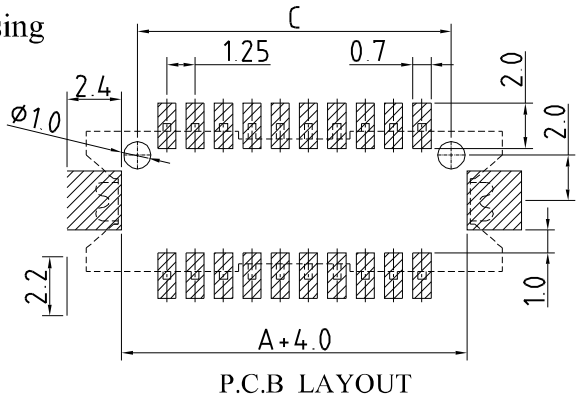
Available Number of Circuits : 2x05 - 2x20

Material : High Temperature Thermoplastic 94V-0

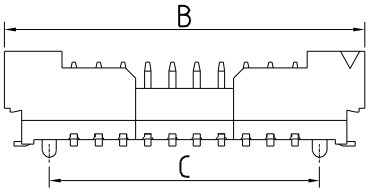
Contact: 0.35mm(.014") Copper Alloy, Tin-plated

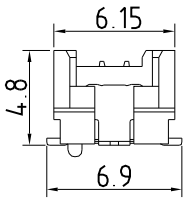
Mates with : TU1257 Series Dual Row K Type Housing





P.C.B LAYOUT



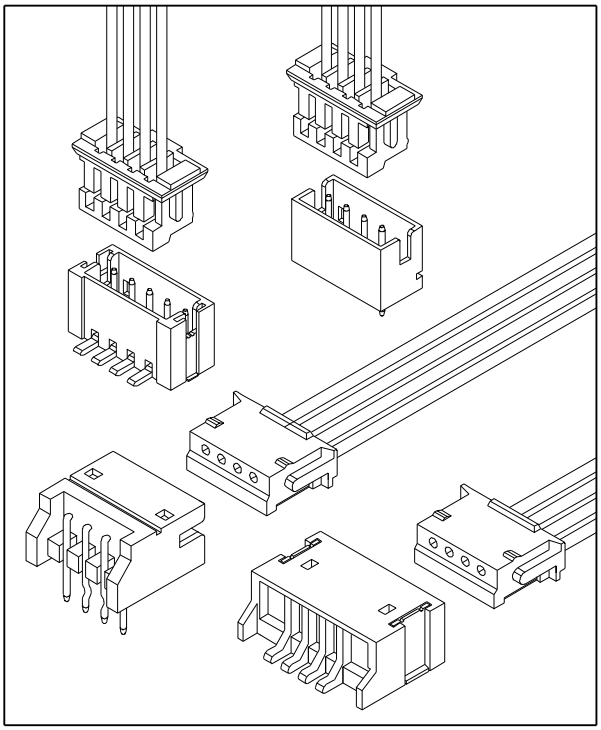


Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
10	TU1257WNV-2x05SKA-*-*	5.00	12.10	7.50
20	TU1257WNV-2x10SKA-*-*	11.25	18.35	13.75
24	TU1257WNV-2x12SKA-*-*	13.75	20.85	16.25
30	TU1257WNV-2x15SKA-*-*	17.50	20.00	20.00
34	TU1257WNV-2x17SKA-*-*	20.00	22.50	22.50
40	TU1257WNV-2x20SKA-*-*	23.75	26.25	26.25

TU1501 SERIES

1.50mm Pitch Wire To Board Connector



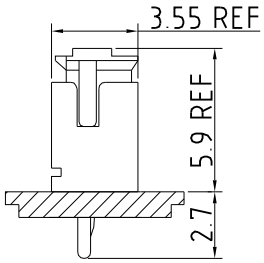
Specification

Circuits	02 -15
Pitch	1.50mm
Current Rating	1A AC/DC
Voltage Rating	50V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #26 - #32
Applicable P.C.B Thickness	0.6mm - 1.2mm
Applicable P.C.B Hole Dia.	Ø0.7mm ± 0.05

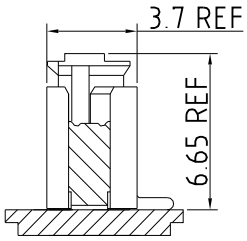
Assembly Layout

Vertical

DIP-Type

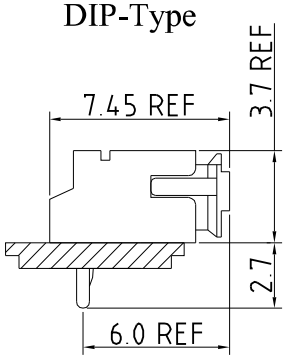


SMT-Type

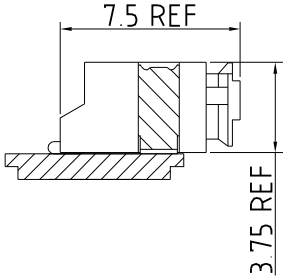


Right Angle

DIP-Type



SMT-Type



TU1501 * - NP * - * - * - * - *

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Paer No. TU1501	④ Mount Type S : SMT-Type Wafer	⑦ Contact Blank : As Specified SP: Square Pin
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer	⑤ Contact Plating Code Blank : As Specified GO : Gold-flasd over Nicke	⑧ Product Color Blank : As Specified C* : Color of number
③ Number of Contacts: NP : Circuits	⑥ Material Code Blank : As Specified M7 : Nylon 9T UL 94V-0	

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1501 SERIES

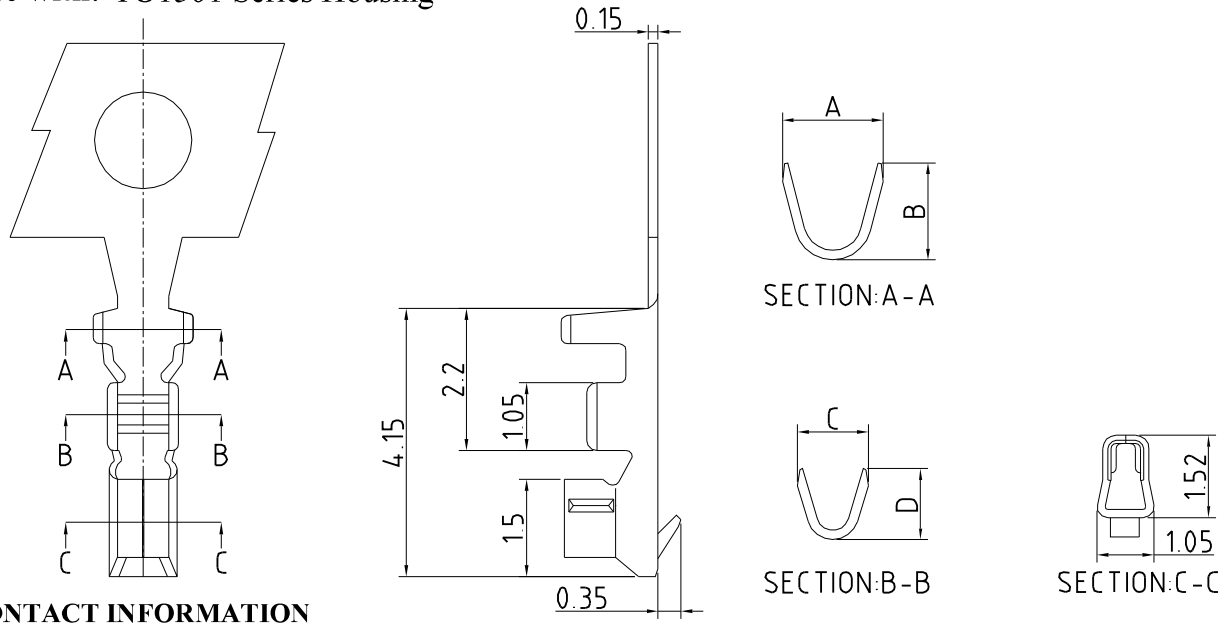
1.50mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU1501 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TU1501TPO-*	AWG #28-#32	0.9mm(MAX.)	1.55	1.50	1.10	1.10	Phosphor bronze	See note	10,000 pcs
TU1501TPH-*	AWG #26-#28	1.1mm(MAX.)	1.70	1.80	1.25	1.20			

Note:

For this product in a different specification please contact TYU for more information

Housing

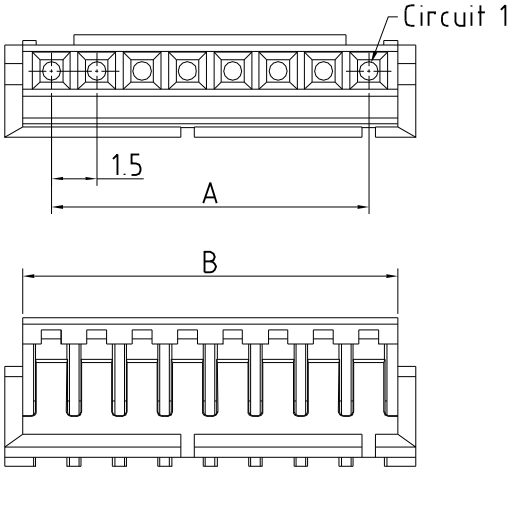
Features

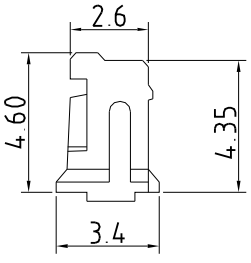
Available Number of Circuits: 02 - 15

Material: Regular Thermoplastic 94V-0

Use with: TU1501 Crimp Terminal

Mates with : TU1501 Series Wafer or TY1501 Female Housing





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1501HNO-02	1.50	3.30
3	TU1501HNO-03	3.00	4.80
4	TU1501HNO-04	4.50	6.30
5	TU1501HNO-05	6.00	7.80
6	TU1501HNO-06	7.50	9.30
7	TU1501HNO-07	9.00	10.80
8	TU1501HNO-08	10.50	12.30
9	TU1501HNO-09	12.00	13.80
10	TU1501HNO-10	13.50	15.30
11	TU1501HNO-11	15.00	16.80
12	TU1501HNO-12	16.50	18.30
13	TU1501HNO-13	18.00	19.80
14	TU1501HNO-14	19.50	21.30
15	TU1501HNO-15	21.00	22.80

TU1501 SERIES

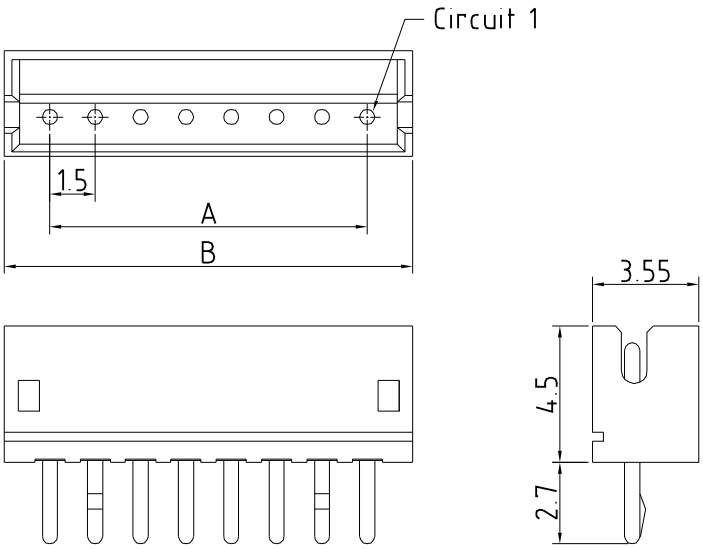
1.50mm Pitch Wire To Board Connector

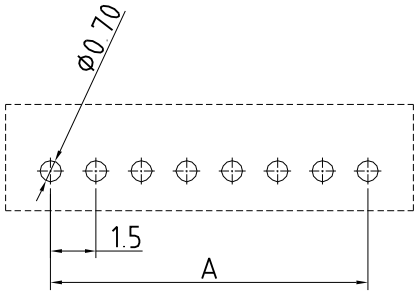
Unit : mm

Wafer Vertical

Features

Available Number of Circuits : 02 - 15
Material : Regular Thermoplastic 94V-0
Contact: 0.5mm(.020") Copper Alloy, Tin-plated
Mates with : TU1501 Series Housing





P.C.B LAYOUT

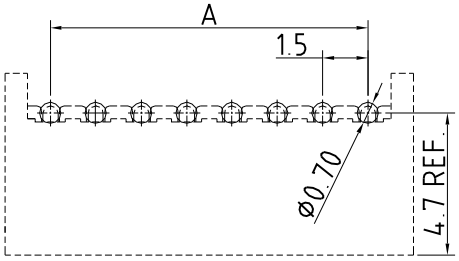
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1501WNV-02-*-*	1.50	4.50
3	TU1501WNV-03-*-*	3.00	6.00
4	TU1501WNV-04-*-*	4.50	7.50
5	TU1501WNV-05-*-*	6.00	9.00
6	TU1501WNV-06-*-*	7.50	10.50
7	TU1501WNV-07-*-*	9.00	12.00
8	TU1501WNV-08-*-*	10.50	13.50
9	TU1501WNV-09-*-*	12.00	15.00
10	TU1501WNV-10-*-*	13.50	16.50
11	TU1501WNV-11-*-*	15.00	18.00
12	TU1501WNV-12-*-*	16.50	19.50
13	TU1501WNV-13-*-*	18.00	21.00
14	TU1501WNV-14-*-*	19.50	22.50
15	TU1501WNV-15-*-*	21.00	24.00

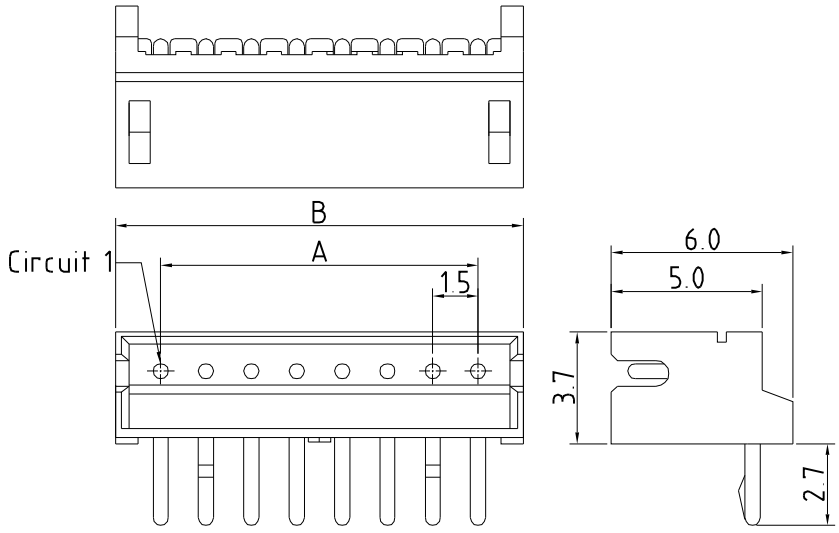
Wafer Right Angle

Features

Available Number of Circuits : 02 - 15
Material : Regular Thermoplastic 94V-0
Contact: 0.5mm(.020") Copper Alloy, Tin-plated
Mates with : TU1501 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1501WNR-02-*-*	1.50	4.50
3	TU1501WNR-03-*-*	3.00	6.00
4	TU1501WNR-04-*-*	4.50	7.50
5	TU1501WNR-05-*-*	6.00	9.00
6	TU1501WNR-06-*-*	7.50	10.50
7	TU1501WNR-07-*-*	9.00	12.00
8	TU1501WNR-08-*-*	10.50	13.50
9	TU1501WNR-09-*-*	12.00	15.00
10	TU1501WNR-10-*-*	13.50	16.50
11	TU1501WNR-11-*-*	15.00	18.00
12	TU1501WNR-12-*-*	16.50	19.50
13	TU1501WNR-13-*-*	18.00	21.00
14	TU1501WNR-14-*-*	19.50	22.50
15	TU1501WNR-15-*-*	21.00	24.00

TU1501 SERIES

1.50mm Pitch Wire To Board Connector

Unit : mm

Wafer

Vertical SMT Type

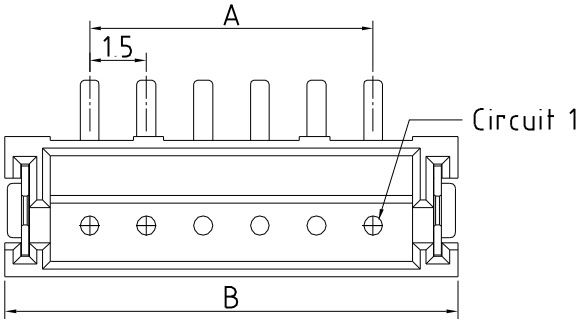
Features

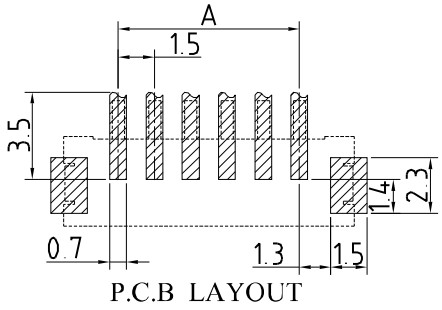
Available Number of Circuits : 02 - 06

Material : High Temperature Thermoplastic 94V-0

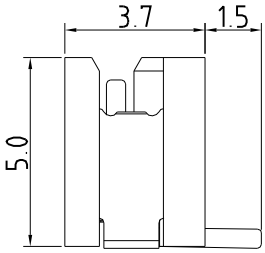
Contact: 0.5mm(.020") Copper Alloy, Gold plated

Mates with : TU1501 Series Housing









Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1501WNV-02S-GO-SP-*	1.50	6.00
3	TU1501WNV-03S-GO-SP-*	3.00	7.50
4	TU1501WNV-04S-GO-SP-*	4.50	9.00
5	TU1501WNV-05S-GO-SP-*	6.00	10.50
6	TU1501WNV-06S-GO-SP-*	7.50	12.00

Wafer

Vertical SMT Type

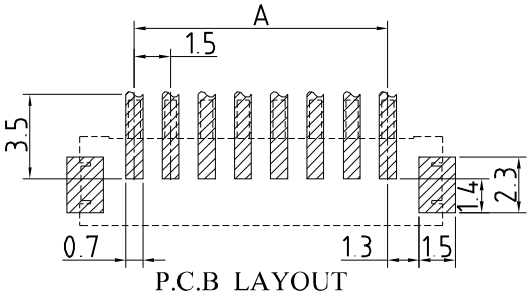
Features

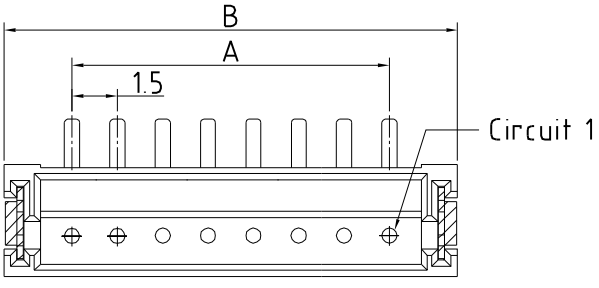
Available Number of Circuits : 07 - 15

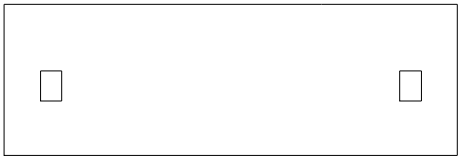
Material : High Temperature Thermoplastic 94V-0

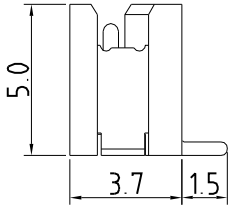
Contact: 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU1501 Series Housing









Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
7	TU1501WNV-07S-*-*	9.00	13.50
8	TU1501WNV-08S-*-*	10.50	15.00
9	TU1501WNV-09S-*-*	12.00	16.50
10	TU1501WNV-10S-*-*	13.50	18.00
11	TU1501WNV-11S-*-*	15.00	19.50
12	TU1501WNV-12S-*-*	16.50	21.00
13	TU1501WNV-13S-*-*	18.00	22.50
14	TU1501WNV-14S-*-*	19.50	24.00
15	TU1501WNV-15S-*-*	21.00	25.50

TU1501 SERIES

1.50mm Pitch Wire To Board Connector

Unit : mm

Wafer

Right Angle SMT Type

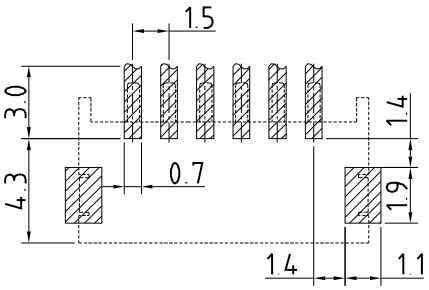
Features

Available Number of Circuits : 02 - 06

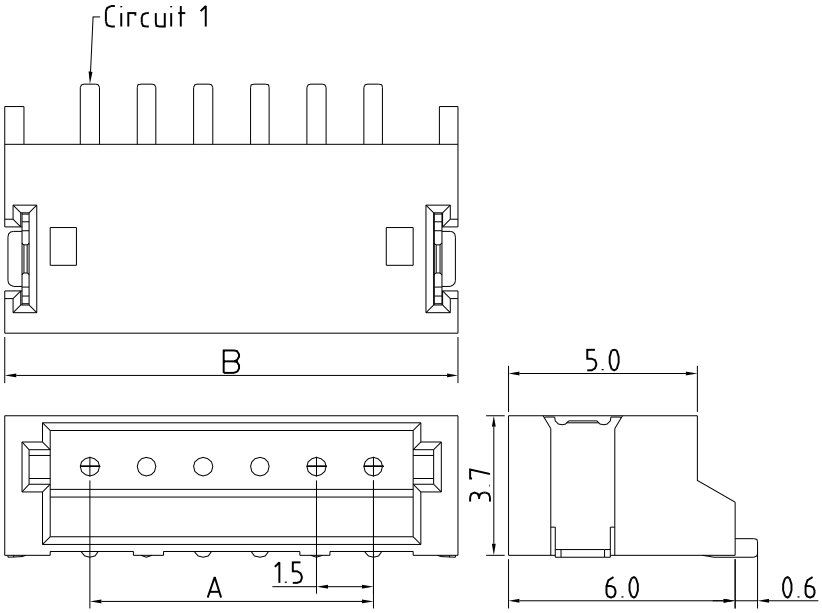
Material : High Temperature Thermoplastic 94V-0

Contact: 0.5mm(.020") Copper Alloy, Gold plated

Mates with : TU1501 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1501WNR-02S-GO-SP-*	1.50	6.00
3	TU1501WNR-03S-GO-SP-*	3.00	7.50
4	TU1501WNR-04S-GO-SP-*	4.50	9.00
5	TU1501WNR-05S-GO-SP-*	6.00	10.50
6	TU1501WNR-06S-GO-SP-*	7.50	12.00

Wafer

Right Angle SMT Type

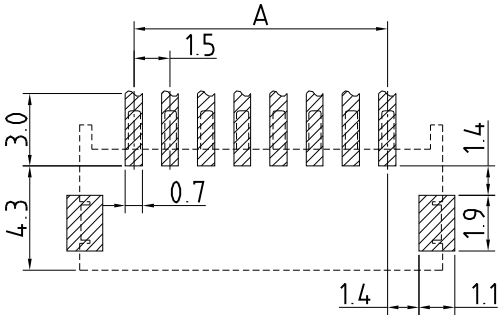
Features

Available Number of Circuits : 07 - 15

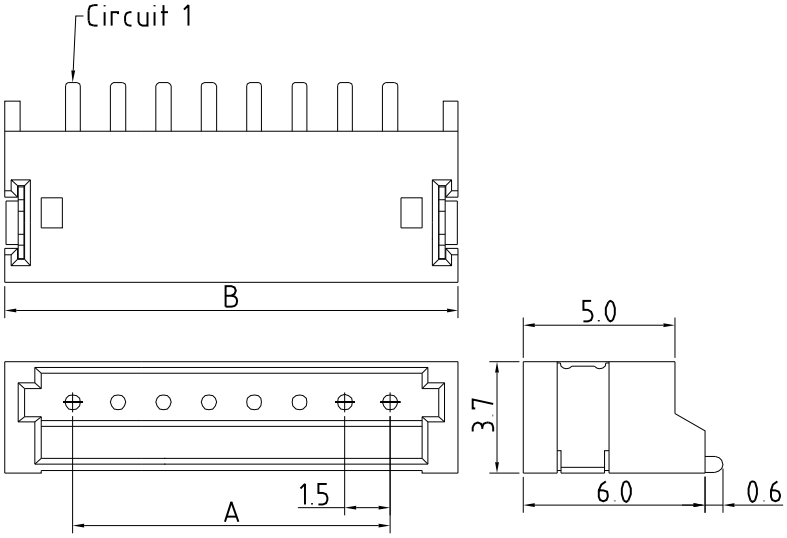
Material : High Temperature Thermoplastic 94V-0

Contact: 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU1501 Series Housing



P.C.B LAYOUT

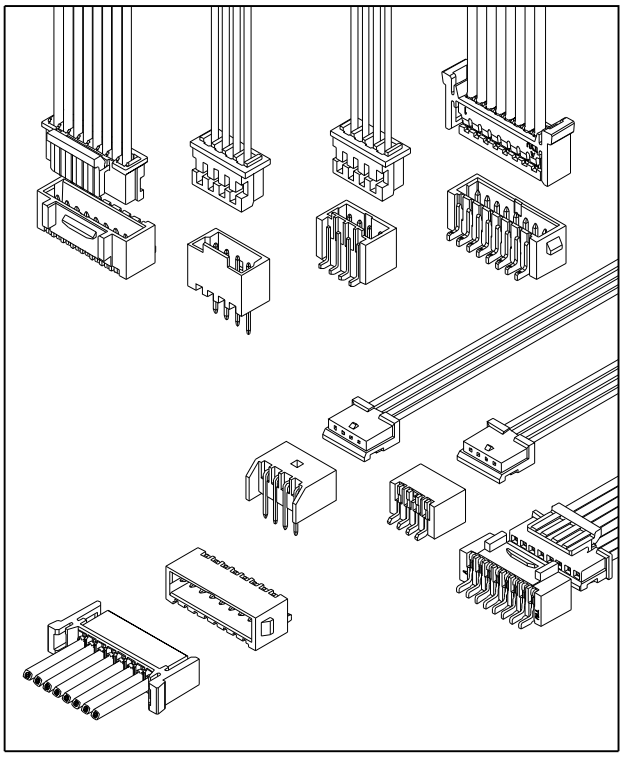


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
7	TU1501WNR-07S-*-*	9.00	13.50
8	TU1501WNR-08S-*-*	10.50	15.00
9	TU1501WNR-09S-*-*	12.00	16.50
10	TU1501WNR-10S-*-*	13.50	18.00
11	TU1501WNR-11S-*-*	15.00	19.50
12	TU1501WNR-12S-*-*	16.50	21.00
13	TU1501WNR-13S-*-*	18.00	22.50
14	TU1501WNR-14S-*-*	19.50	24.00
15	TU1501WNR-15S-*-*	21.00	25.50

TU1502 SERIES

1.50mm Pitch Wire To Board Connector



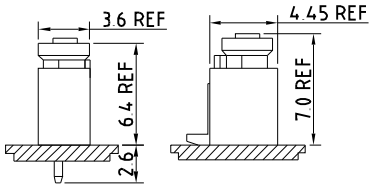
Specification

Circuits	02 -20
Pitch	1.50mm
Current Rating	3A AC/DC (AWG#24) 2A AC/DC (AWG#26) 1.5A AC/DC (AWG#28) 1.5A AC/DC (AWG#30) 3.5A AC/DC (AWG#24) (High current 10P) 3.0A AC/DC (AWG#26) (High current 10P)
Voltage Rating	50V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #24 - #30
Applicable P.C.B Thickness	0.6mm - 1.2mm
Applicable P.C.B Hole Dia.	Ø 0.7mm ± 0.05

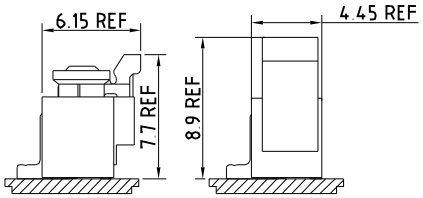
Assembly Layout

Vertical Type

DIP-Type SMT-Type

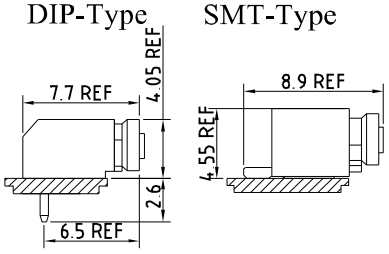


SMT A Lock Type SMT B Lock Type

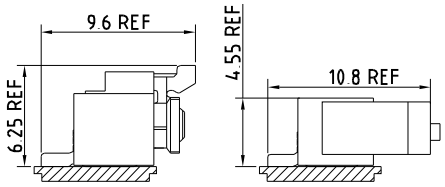


Right Angle Type

DIP-Type SMT-Type



SMT A Lock Type SMT B Lock Type



TU1502 * - NP * - * - *
① ② ③ ④ ⑤ ⑥

① Part No. TU1502

② Connection Type:
HNO : Terminal Socket
WNV : Vertical Wafer
WNR : Right Angle Wafer
WGV : High Current Vertical Wafer
WGR : High Current Right Angle Wafer

③ Number of Contacts:
NP : Circuits

④ Mount Type
K : Lock Type Housing
BK : Lock B Type Housing
S : SMT-Type Wafer
SA : SMT A Type Wafer
SAK : SMT A Lock Type Wafer
SBK : SMT B Lock Type Wafer

⑤ Contact Plating Code
Blank : As Specified
GO : Gold-flash over Nickel

⑥ Product Color
Blank : As Specified
C* : Color of number

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1502 SERIES

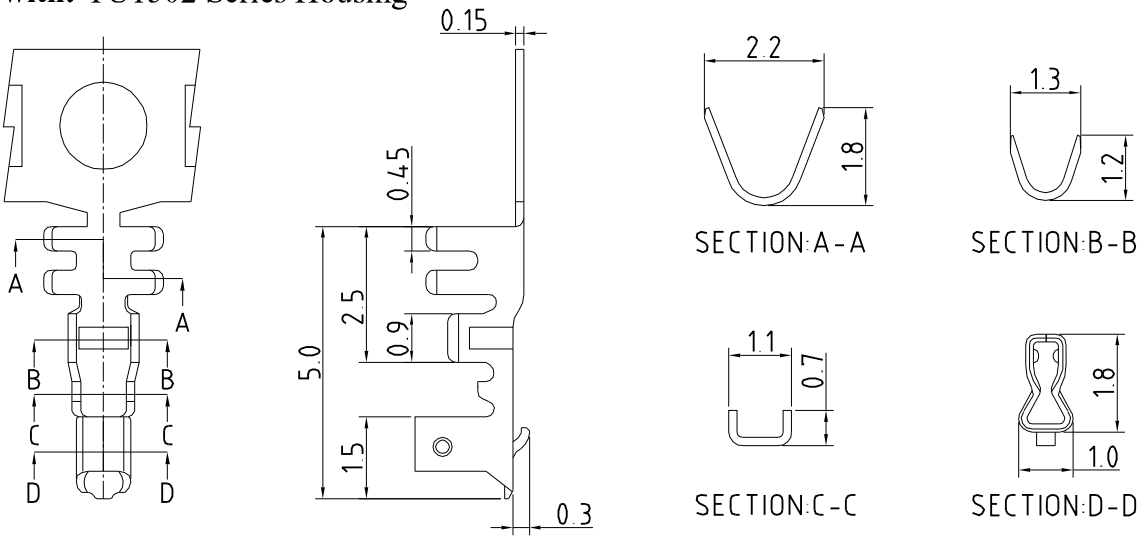
1.50mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU1502 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU1502TPO-*	AWG #24-#30	1.10mm(MAX.)	Phosphor bronze	See note	10,000 pcs
TU1502TGO-*			High Current		

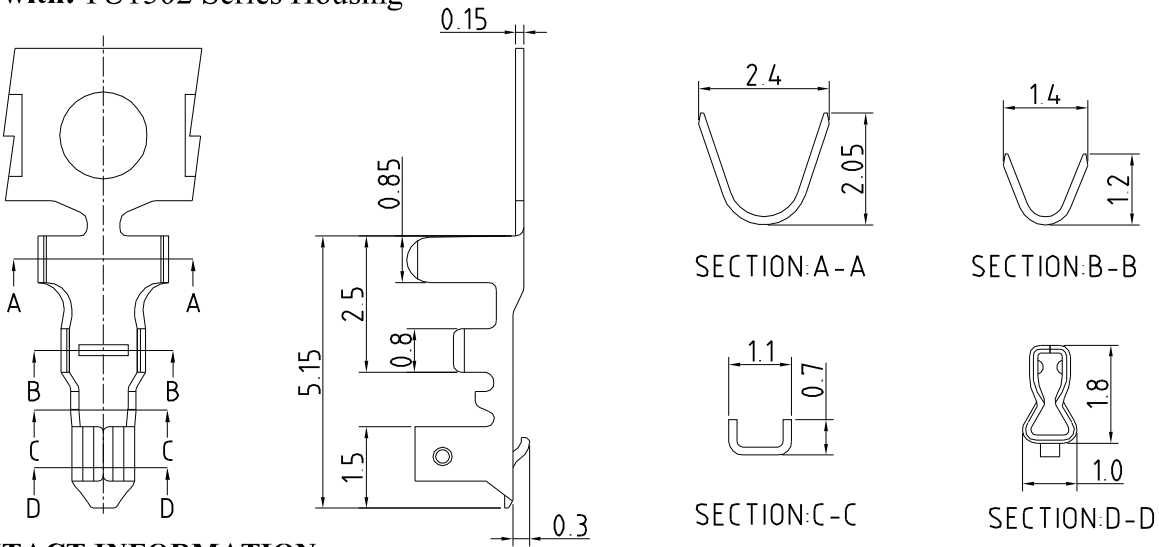
Note:

For this product in a different specification please contact TYU for more information

Terminal

Features

Use with: TU1502 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU1502TPO-*M	AWG #24-#28	1.10mm(MAX.)	Phosphor bronze	See note	10,000 pcs

Note:

For this product in a different specification please contact TYU for more information

TU1502 SERIES

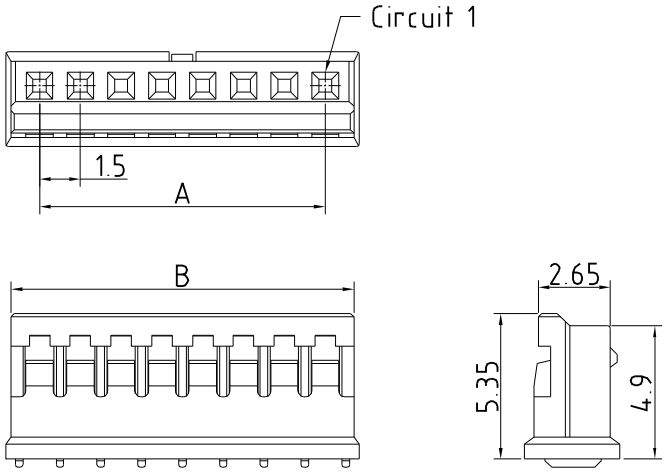
1.50mm Pitch Wire To Board Connector

Unit : mm

Housing

Features

Available Number of Circuits: 02 - 18
Material: Regular Thermoplastic 94V-0
Use with: TU1502 Crimp Terminal
Mates with : TU1502 Series Wafer



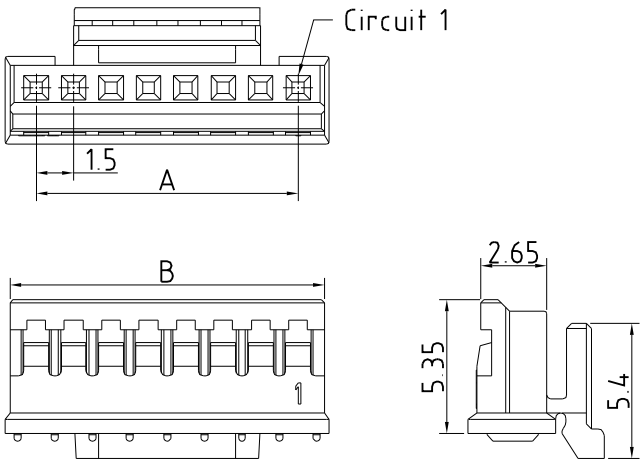
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1502HNO-02	1.50	3.60
3	TU1502HNO-03	3.00	5.10
4	TU1502HNO-04	4.50	6.60
5	TU1502HNO-05	6.00	8.10
6	TU1502HNO-06	7.50	9.60
7	TU1502HNO-07	9.00	11.10
8	TU1502HNO-08	10.50	12.60
9	TU1502HNO-09	12.00	14.10
10	TU1502HNO-10	13.50	15.60
11	TU1502HNO-11	15.00	17.10
12	TU1502HNO-12	16.50	18.60
13	TU1502HNO-13	18.00	20.10
14	TU1502HNO-14	19.50	21.60
15	TU1502HNO-15	21.00	23.10
16	TU1502HNO-16	22.50	24.60
17	TU1502HNO-17	24.00	26.10
18	TU1502HNO-18	25.50	27.60
19	TU1502HNO-19	27.00	29.10
20	TU1502HNO-20	28.50	30.60

Housing Latch Type

Features

Available Number of Circuits: 02 - 20
Material: Regular Thermoplastic 94V-0
Use with: TU1502 Crimp Terminal
Mates with : TU1502 SAK Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1502HNO-02K	1.50	3.60
3	TU1502HNO-03K	3.00	5.10
4	TU1502HNO-04K	4.50	6.60
5	TU1502HNO-05K	6.00	8.10
6	TU1502HNO-06K	7.50	9.60
7	TU1502HNO-07K	9.00	11.10
8	TU1502HNO-08K	10.50	12.60
9	TU1502HNO-09K	12.00	14.10
10	TU1502HNO-10K	13.50	15.60
11	TU1502HNO-11K	15.00	17.10
12	TU1502HNO-12K	16.50	18.60
13	TU1502HNO-13K	18.00	20.10
14	TU1502HNO-14K	19.50	21.60
15	TU1502HNO-15K	21.00	23.10
16	TU1502HNO-16K	22.50	24.60
17	TU1502HNO-17K	24.00	26.10
18	TU1502HNO-18K	25.50	27.60
19	TU1502HNO-19K	27.00	29.10
20	TU1502HNO-20K	28.50	30.60

TU1502 SERIES

1.50mm Pitch Wire To Board Connector

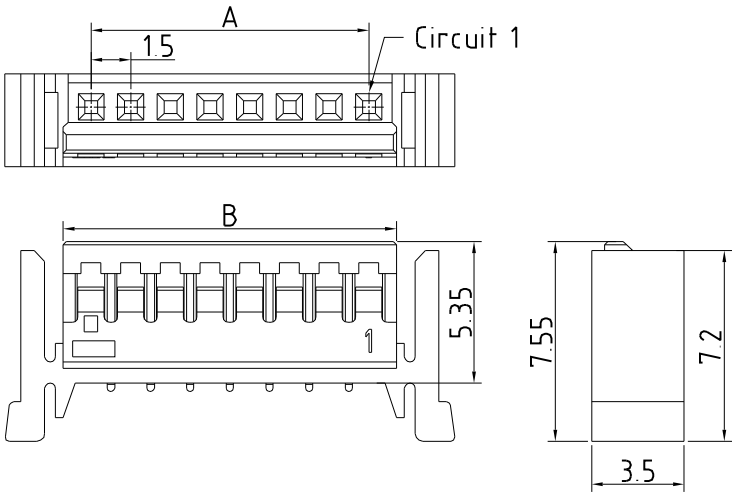
Unit : mm

Housing

Latch B Type

Features

Available Number of Circuits: 02 - 20
Material: Regular Thermoplastic 94V-0
Use with: TU1502 Crimp Terminal
Mates with : TU1502 SBK Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1502HNO-02BK	1.50	3.60
3	TU1502HNO-03BK	3.00	5.10
4	TU1502HNO-04BK	4.50	6.60
5	TU1502HNO-05BK	6.00	8.10
6	TU1502HNO-06BK	7.50	9.60
7	TU1502HNO-07BK	9.00	11.10
8	TU1502HNO-08BK	10.50	12.60
9	TU1502HNO-09BK	12.00	14.10
10	TU1502HNO-10BK	13.50	15.60
11	TU1502HNO-11BK	15.00	17.10
12	TU1502HNO-12BK	16.50	18.60
13	TU1502HNO-13BK	18.00	20.10
14	TU1502HNO-14BK	19.50	21.60
15	TU1502HNO-15BK	21.00	23.10
16	TU1502HNO-16BK	22.50	24.60
17	TU1502HNO-17BK	24.00	26.10
18	TU1502HNO-18BK	25.50	27.60
19	TU1502HNO-19BK	27.00	29.10
20	TU1502HNO-20BK	28.50	30.60

TU1502 SERIES

1.50mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical

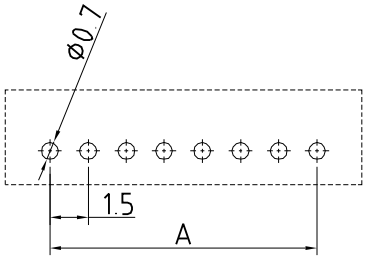
Features

Available Number of Circuits : 02 - 15

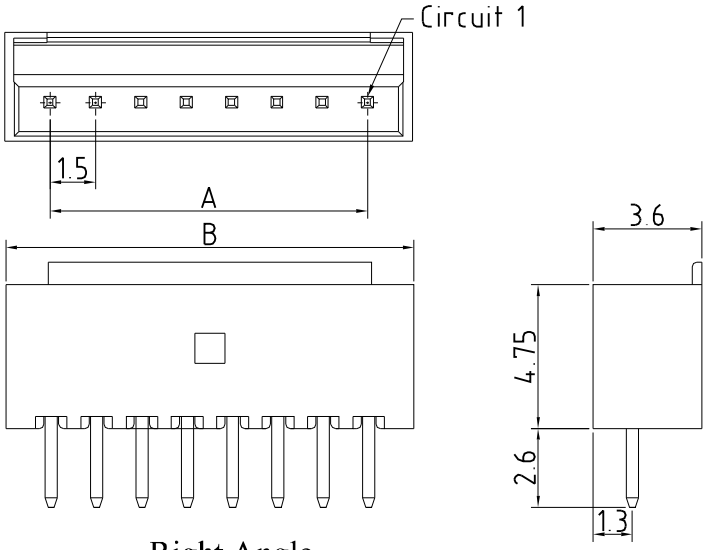
Material : Regular Thermoplastic 94V-0

Contact: 0.4mm(.016") Square Pin Copper Alloy, Tin-plated

Mates with : TU1502 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1502WNV-02	1.50	4.50
3	TU1502WNV-03	3.00	6.00
4	TU1502WNV-04	4.50	7.50
5	TU1502WNV-05	6.00	9.00
6	TU1502WNV-06	7.50	10.50
7	TU1502WNV-07	9.00	12.00
8	TU1502WNV-08	10.50	13.50
9	TU1502WNV-09	12.00	15.00
10	TU1502WNV-10	13.50	16.50
11	TU1502WNV-11	15.00	18.00
12	TU1502WNV-12	16.50	19.50
13	TU1502WNV-13	18.00	21.00
14	TU1502WNV-14	19.50	22.50
15	TU1502WNV-15	21.00	24.00

Wafer Right Angle

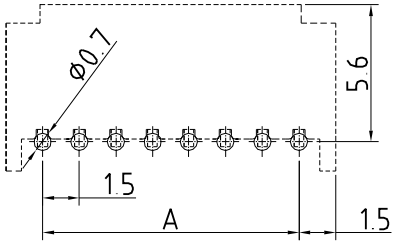
Features

Available Number of Circuits : 02 - 15

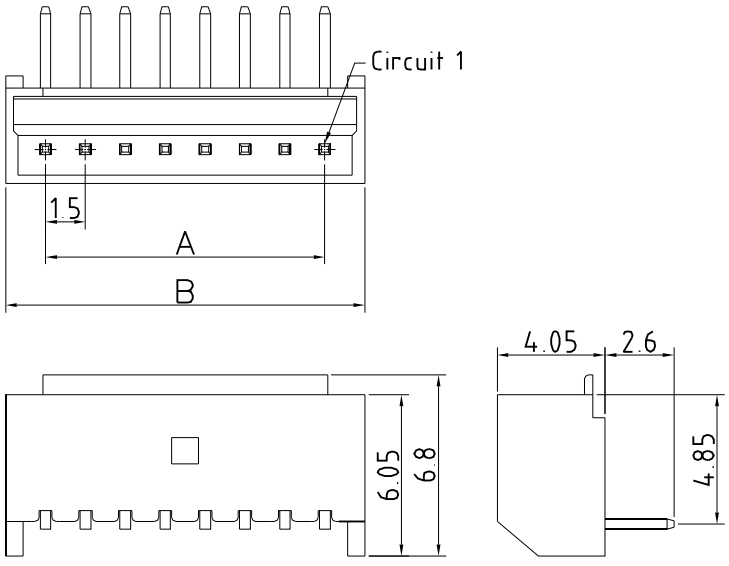
Material : Regular Thermoplastic 94V-0

Contact: 0.4mm(.016") Copper Alloy, Tin-plated

Mates with : TU1502 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1502WNR-02	1.50	4.50
3	TU1502WNR-03	3.00	6.00
4	TU1502WNR-04	4.50	7.50
5	TU1502WNR-05	6.00	9.00
6	TU1502WNR-06	7.50	10.50
7	TU1502WNR-07	9.00	12.00
8	TU1502WNR-08	10.50	13.50
9	TU1502WNR-09	12.00	15.00
10	TU1502WNR-10	13.50	16.50
11	TU1502WNR-11	15.00	18.00
12	TU1502WNR-12	16.50	19.50
13	TU1502WNR-13	18.00	21.00
14	TU1502WNR-14	19.50	22.50
15	TU1502WNR-15	21.00	24.00

TU1502 SERIES

1.50mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical SMT Type

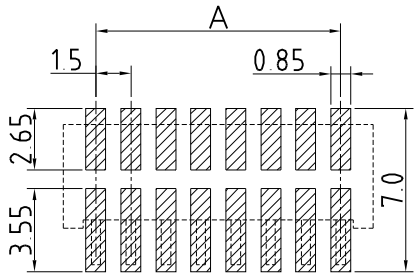
Features

Available Number of Circuits : 02 - 15

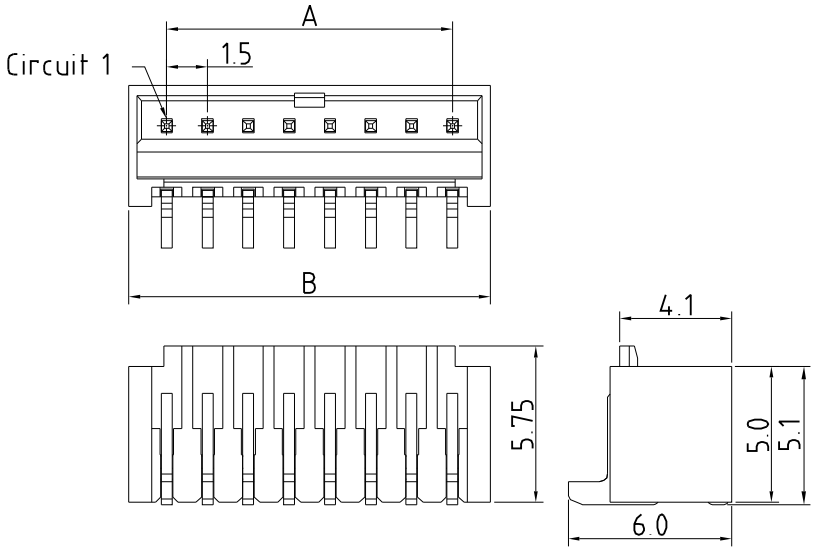
Material : High Temperature Thermoplastic 94V-0

Contact: WNV:0.4mm(.016") Copper Alloy, Tin-plated
WGV:0.4mm(.016") High Current, Tin-plated

Mates with : TU1502 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1502W*V-02S-*-*	1.50	4.30
3	TU1502W*V-03S-*-*	3.00	5.80
4	TU1502W*V-04S-*-*	4.50	7.30
5	TU1502W*V-05S-*-*	6.00	8.80
6	TU1502W*V-06S-*-*	7.50	10.30
7	TU1502W*V-07S-*-*	9.00	11.80
8	TU1502W*V-08S-*-*	10.50	13.30
9	TU1502W*V-09S-*-*	12.00	14.80
10	TU1502W*V-10S-*-*	13.50	16.30
11	TU1502W*V-11S-*-*	15.00	17.80
12	TU1502W*V-12S-*-*	16.50	19.30
13	TU1502W*V-13S-*-*	18.00	20.80
14	TU1502W*V-14S-*-*	19.50	22.30
15	TU1502W*V-15S-*-*	21.00	23.80

Wafer Right Angle SMT Type

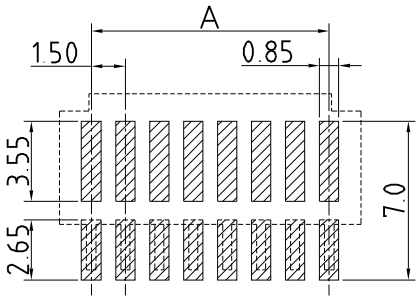
Features

Available Number of Circuits : 02 - 15

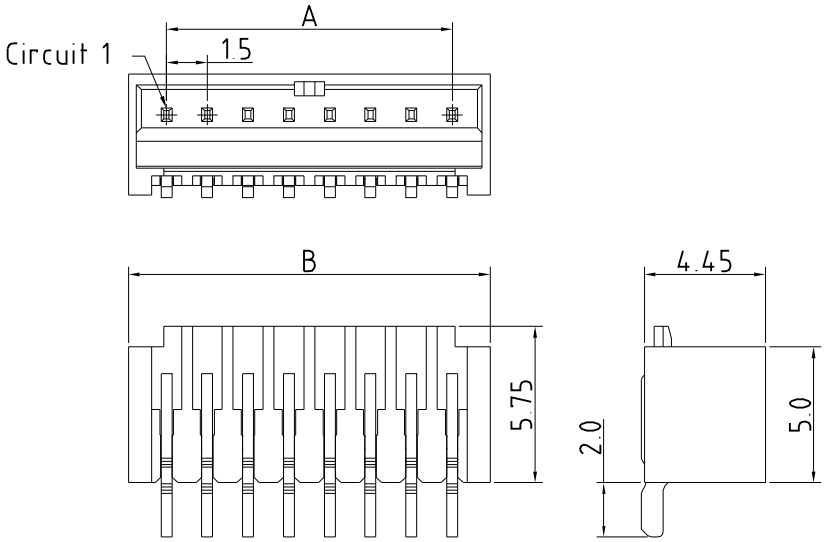
Material : High Temperature Thermoplastic 94V-0

Contact: WNV:0.4mm(.016") Copper Alloy,Tin-plated
WGV:0.4mm(.016") High Current,Tin-plated

Mates with : TU1502 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1502W*R-02S-*-*	1.50	4.30
3	TU1502W*R-03S-*-*	3.00	5.80
4	TU1502W*R-04S-*-*	4.50	7.30
5	TU1502W*R-05S-*-*	6.00	8.80
6	TU1502W*R-06S-*-*	7.50	10.30
7	TU1502W*R-07S-*-*	9.00	11.80
8	TU1502W*R-08S-*-*	10.50	13.30
9	TU1502W*R-09S-*-*	12.00	14.80
10	TU1502W*R-10S-*-*	13.50	16.30
11	TU1502W*R-11S-*-*	15.00	17.80
12	TU1502W*R-12S-*-*	16.50	19.30
13	TU1502W*R-13S-*-*	18.00	20.80
14	TU1502W*R-14S-*-*	19.50	22.30
15	TU1502W*R-15S-*-*	21.00	23.80

TU1502 SERIES

1.50mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical SMT Type

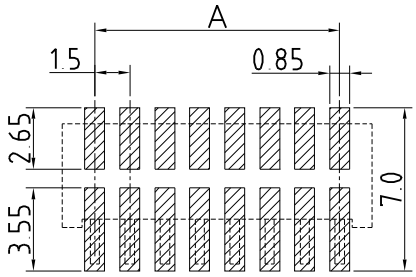
Features

Available Number of Circuits : 02 - 15

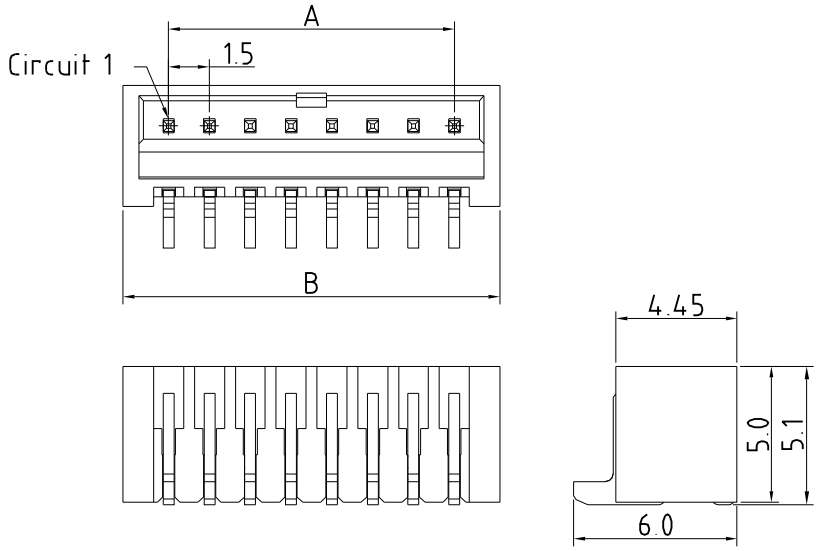
Material : High Temperature Thermoplastic 94V-0

Contact: WNV:0.4mm(.016") Copper Alloy, Tin-plated
WGV:0.4mm(.016") High Current, Tin-plated

Mates with : TU1502 & TU1512 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1502W*V-02SA-*-*	1.50	4.80
3	TU1502W*V-03SA-*-*	3.00	6.30
4	TU1502W*V-04SA-*-*	4.50	7.80
5	TU1502W*V-05SA-*-*	6.00	9.30
6	TU1502W*V-06SA-*-*	7.50	10.80
7	TU1502W*V-07SA-*-*	9.00	12.30
8	TU1502W*V-08SA-*-*	10.50	13.80
9	TU1502W*V-09SA-*-*	12.00	15.30
10	TU1502W*V-10SA-*-*	13.50	16.80
11	TU1502W*V-11SA-*-*	15.00	18.30
12	TU1502W*V-12SA-*-*	16.50	19.80
13	TU1502W*V-13SA-*-*	18.00	21.30
14	TU1502W*V-14SA-*-*	19.50	22.80
15	TU1502W*V-15SA-*-*	21.00	24.30

Wafer Right Angle SMT Type

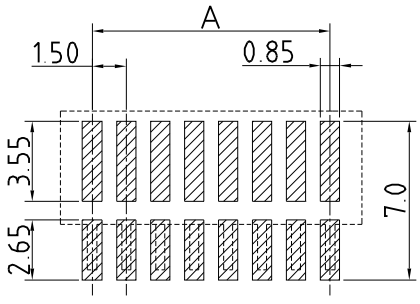
Features

Available Number of Circuits : 02 - 15

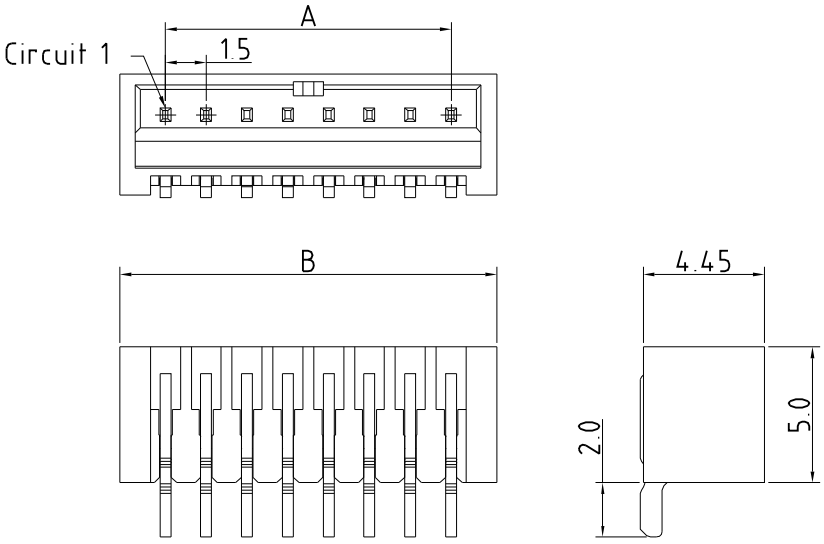
Material : High Temperature Thermoplastic 94V-0

Contact: WNV:0.4mm(.016") Copper Alloy, Tin-plated
WGV:0.4mm(.016") High Current, Tin-plated

Mates with : TU1502 & TU1512 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1502W*R-02SA-*-*	1.50	4.80
3	TU1502W*R-03SA-*-*	3.00	6.30
4	TU1502W*R-04SA-*-*	4.50	7.80
5	TU1502W*R-05SA-*-*	6.00	9.30
6	TU1502W*R-06SA-*-*	7.50	10.80
7	TU1502W*R-07SA-*-*	9.00	12.30
8	TU1502W*R-08SA-*-*	10.50	13.80
9	TU1502W*R-09SA-*-*	12.00	15.30
10	TU1502W*R-10SA-*-*	13.50	16.80
11	TU1502W*R-11SA-*-*	15.00	18.30
12	TU1502W*R-12SA-*-*	16.50	19.80
13	TU1502W*R-13SA-*-*	18.00	21.30
14	TU1502W*R-14SA-*-*	19.50	22.80
15	TU1502W*R-15SA-*-*	21.00	24.30

TU1502 SERIES

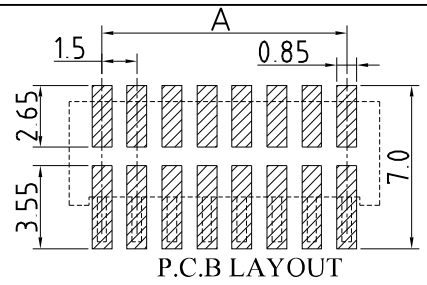
1.50mm Pitch Wire To Board Connector

Unit : mm

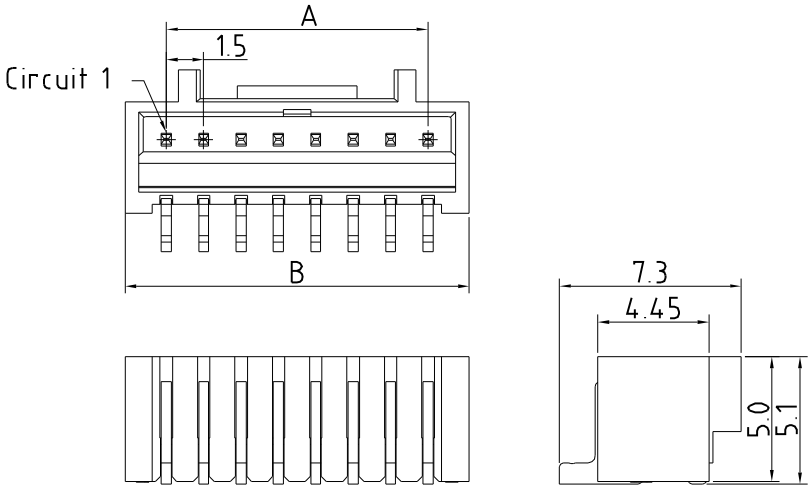
Wafer Vertical SMT Latch Type

Features

Available Number of Circuits : 02 - 20
Material : High Temperature Thermoplastic 94V-0
Contact: WNV:0.4mm(.016") Copper Alloy, Tin-plated
WGV:0.4mm(.016") High Current, Tin-plated
Mates with : TU1502 K Series Housing



P.C.B LAYOUT



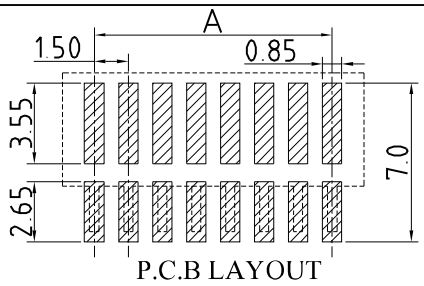
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1502W*V-02SAK-*-*	1.50	4.80
3	TU1502W*V-03SAK-*-*	3.00	6.30
4	TU1502W*V-04SAK-*-*	4.50	7.80
5	TU1502W*V-05SAK-*-*	6.00	9.30
6	TU1502W*V-06SAK-*-*	7.50	10.80
7	TU1502W*V-07SAK-*-*	9.00	12.30
8	TU1502W*V-08SAK-*-*	10.50	13.80
9	TU1502W*V-09SAK-*-*	12.00	15.30
10	TU1502W*V-10SAK-*-*	13.50	16.80
11	TU1502W*V-11SAK-*-*	15.00	18.30
12	TU1502W*V-12SAK-*-*	16.50	19.80
13	TU1502W*V-13SAK-*-*	18.00	21.30
14	TU1502W*V-14SAK-*-*	19.50	22.80
15	TU1502W*V-15SAK-*-*	21.00	24.30
16	TU1502W*V-16SAK-*-*	22.50	25.80
17	TU1502W*V-17SAK-*-*	24.00	27.30
18	TU1502W*V-18SAK-*-*	25.50	28.80
19	TU1502W*V-19SAK-*-*	27.00	30.30
20	TU1502W*V-20SAK-*-*	28.50	31.80

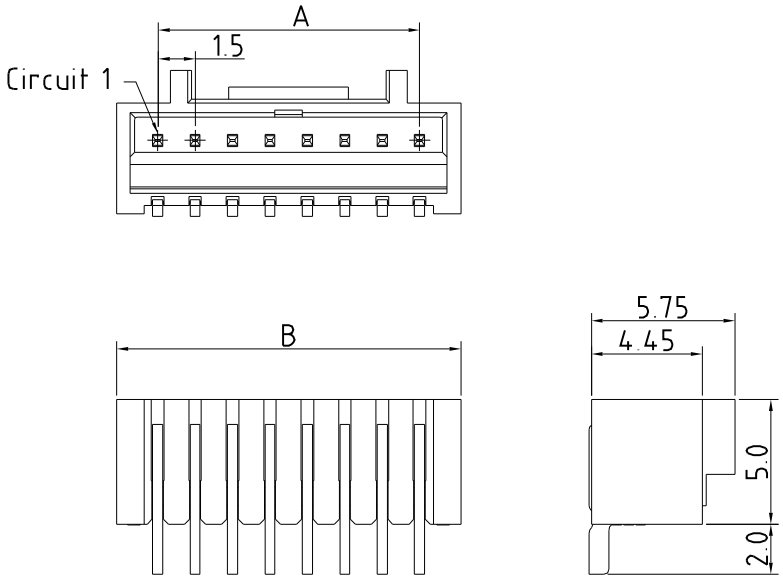
Wafer Right Angle SMT Latch Type

Features

Available Number of Circuits : 02 - 20
Material : High Temperature Thermoplastic 94V-0
Contact: WNV:0.4mm(.016") Copper Alloy, Tin-plated
WGV:0.4mm(.016") High Current, Tin-plated
Mates with : TU1502 K Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1502W*R-02SAK-*-*	1.50	4.80
3	TU1502W*R-03SAK-*-*	3.00	6.30
4	TU1502W*R-04SAK-*-*	4.50	7.80
5	TU1502W*R-05SAK-*-*	6.00	9.30
6	TU1502W*R-06SAK-*-*	7.50	10.80
7	TU1502W*R-07SAK-*-*	9.00	12.30
8	TU1502W*R-08SAK-*-*	10.50	13.80
9	TU1502W*R-09SAK-*-*	12.00	15.30
10	TU1502W*R-10SAK-*-*	13.50	16.80
11	TU1502W*R-11SAK-*-*	15.00	18.30
12	TU1502W*R-12SAK-*-*	16.50	19.80
13	TU1502W*R-13SAK-*-*	18.00	21.30
14	TU1502W*R-14SAK-*-*	19.50	22.80
15	TU1502W*R-15SAK-*-*	21.00	24.30
16	TU1502W*R-16SAK-*-*	22.50	25.80
17	TU1502W*R-17SAK-*-*	24.00	27.30
18	TU1502W*R-18SAK-*-*	25.50	28.80
19	TU1502W*R-19SAK-*-*	27.00	30.30
20	TU1502W*R-20SAK-*-*	28.50	31.80

TU1502 SERIES

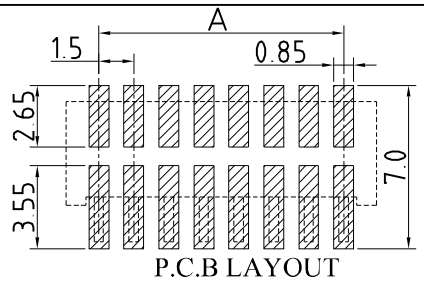
1.50mm Pitch Wire To Board Connector

Unit : mm

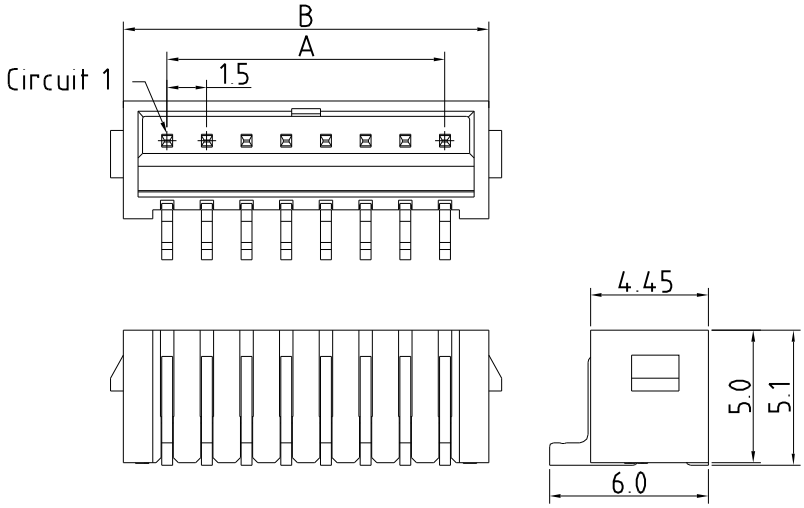
Wafer Vertical SMT Latch B Type

Features

Available Number of Circuits : 02 - 20
Material : High Temperature Thermoplastic 94V-0
Contact: WNV:0.4mm(.016") Copper Alloy, Tin-plated
WGV:0.4mm(.016") High Current, Tin-plated
Mates with : TU1502 BK Series Housing



P.C.B LAYOUT



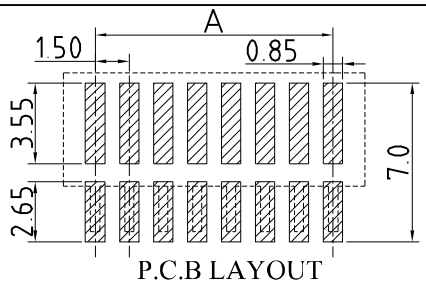
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1502W*V-02SBK-*-*	1.50	4.80
3	TU1502W*V-03SBK-*-*	3.00	6.30
4	TU1502W*V-04SBK-*-*	4.50	7.80
5	TU1502W*V-05SBK-*-*	6.00	9.30
6	TU1502W*V-06SBK-*-*	7.50	10.80
7	TU1502W*V-07SBK-*-*	9.00	12.30
8	TU1502W*V-08SBK-*-*	10.50	13.80
9	TU1502W*V-09SBK-*-*	12.00	15.30
10	TU1502W*V-10SBK-*-*	13.50	16.80
11	TU1502W*V-11SBK-*-*	15.00	18.30
12	TU1502W*V-12SBK-*-*	16.50	19.80
13	TU1502W*V-13SBK-*-*	18.00	21.30
14	TU1502W*V-14SBK-*-*	19.50	22.80
15	TU1502W*V-15SBK-*-*	21.00	24.30
16	TU1502W*V-16SBK-*-*	22.50	25.80
17	TU1502W*V-17SBK-*-*	24.00	27.30
18	TU1502W*V-18SBK-*-*	25.50	28.80
19	TU1502W*V-19SBK-*-*	27.00	30.30
20	TU1502W*V-20SBK-*-*	28.50	31.80

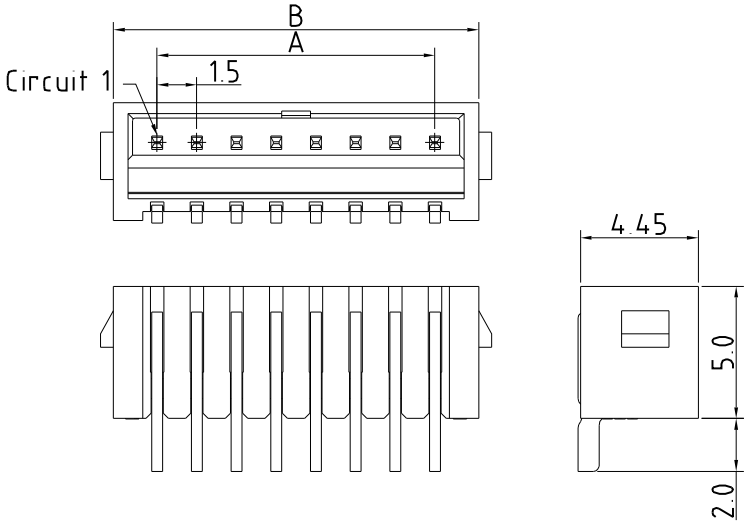
Wafer Right Angle SMT Latch B Type

Features

Available Number of Circuits : 02 - 20
Material : High Temperature Thermoplastic 94V-0
Contact: WNV:0.4mm(.016") Copper Alloy, Tin-plated
WGV:0.4mm(.016") High Current, Tin-plated
Mates with : TU1502 BK Series Housing



P.C.B LAYOUT

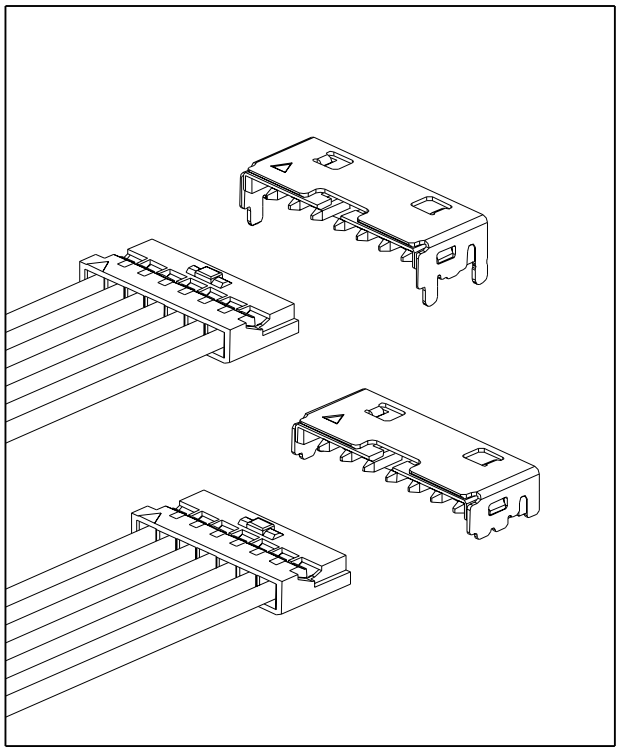


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1502W*R-02SBK-*-*	1.50	4.80
3	TU1502W*R-03SBK-*-*	3.00	6.30
4	TU1502W*R-04SBK-*-*	4.50	7.80
5	TU1502W*R-05SBK-*-*	6.00	9.30
6	TU1502W*R-06SBK-*-*	7.50	10.80
7	TU1502W*R-07SBK-*-*	9.00	12.30
8	TU1502W*R-08SBK-*-*	10.50	13.80
9	TU1502W*R-09SBK-*-*	12.00	15.30
10	TU1502W*R-10SBK-*-*	13.50	16.80
11	TU1502W*R-11SBK-*-*	15.00	18.30
12	TU1502W*R-12SBK-*-*	16.50	19.80
13	TU1502W*R-13SBK-*-*	18.00	21.30
14	TU1502W*R-14SBK-*-*	19.50	22.80
15	TU1502W*R-15SBK-*-*	21.00	24.30
16	TU1502W*R-16SBK-*-*	22.50	25.80
17	TU1502W*R-17SBK-*-*	24.00	27.30
18	TU1502W*R-18SBK-*-*	25.50	28.80
19	TU1502W*R-19SBK-*-*	27.00	30.30
20	TU1502W*R-20SBK-*-*	28.50	31.80

TU1503 SERIES

1.50mm Pitch Wire To Board Connector



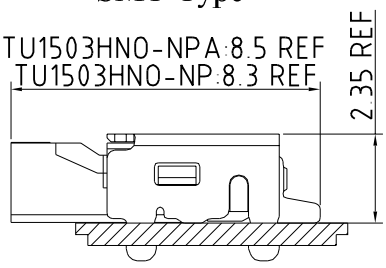
Specification

Circuits	03 - 10
Pitch	1.50mm
Current Rating	4.6A AC/DC (AWG#22) 3.5A AC/DC (AWG#24) 2.9A AC/DC (AWG#26)
	5.5A AC/DC (AWG#22) 4.6A AC/DC (AWG#24) 3.8A AC/DC (AWG#26) (High Current)
Voltage Rating	50V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #22 - #30

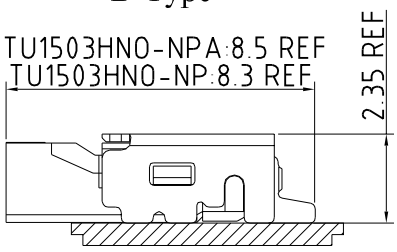
Assembly Layout

Right Angle Type

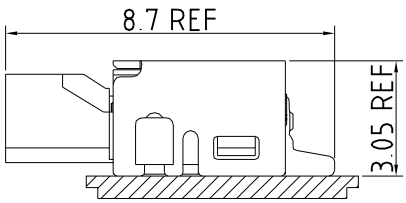
SMT-Type



B-Type



D-Type



TU1503 * - NP * - *
① ② ③ ④ ⑤

① Part No. TU1503	③ Number of Contacts: NP : Circuits	⑤ Contact Plating Code Blank : As Specified GO : Gold-flash over Nickel G* : *u" Gold Plated over Nickel
② Connection Type: HNO : Terminal Socket WNR : Right Angle Wafer WGR : High Current Right Angle Wafer	④ Mount Type A : A-Type Housing B : B-Type Housing S : SMT-Type Wafer SB : SMT B Type Wafer SD : SMT D Type Wafer	

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1503 SERIES

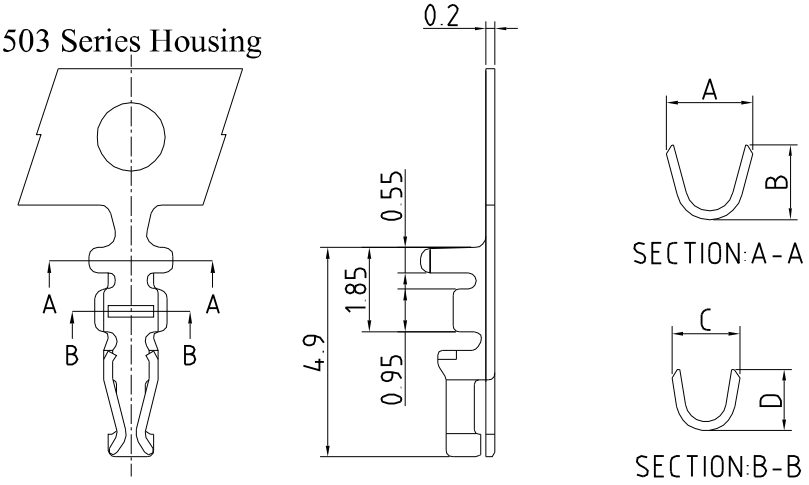
1.50mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU1503 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TU1503TPO-*	AWG #24-#30	1.1mm(MAX.)	2.05	1.95	1.50	1.35	Phosphor bronze	See note	12,000 pcs
TU1503TPH-*	AWG #22	1.1mm(MAX.)	1.80	2.05	1.55	1.85			
TU1503TGO-*	AWG #24-#30	1.1mm(MAX.)	2.05	1.95	1.50	1.35	High Current	See note	12,000 pcs
TU1503TGH-*	AWG #22	1.1mm(MAX.)	1.80	2.05	1.55	1.85			

Note:
For this product in a different specification please contact TYU for more information

Housing

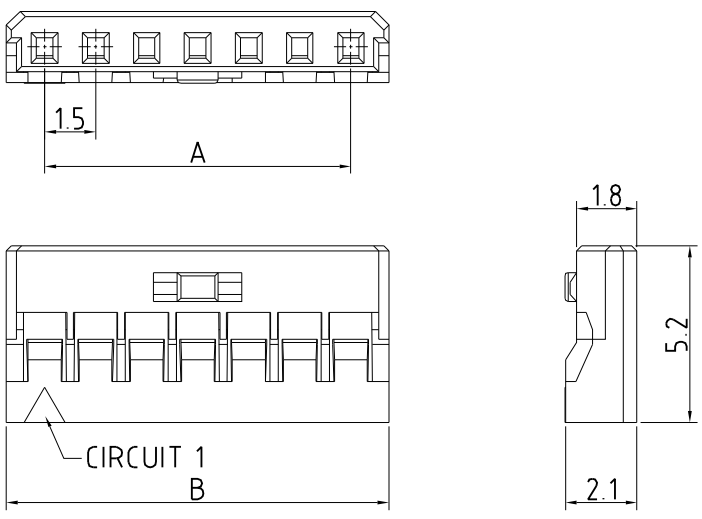
Features

Available Number of Circuits: 04 - 10

Material: High Temperature Thermoplastic 94V-0

Use with: TU1503 Crimp Terminal

Mates with : TU1503 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU1503HNO-04-NL	4.50	6.75
5	TU1503HNO-05-NL	6.00	8.25
6	TU1503HNO-06-NL	7.50	9.75
7	TU1503HNO-07-NL	9.00	11.25
8	TU1503HNO-08-NL	10.50	12.75
9	TU1503HNO-09-NL	12.00	14.25
10	TU1503HNO-10-NL	13.50	15.75

TU1503 SERIES

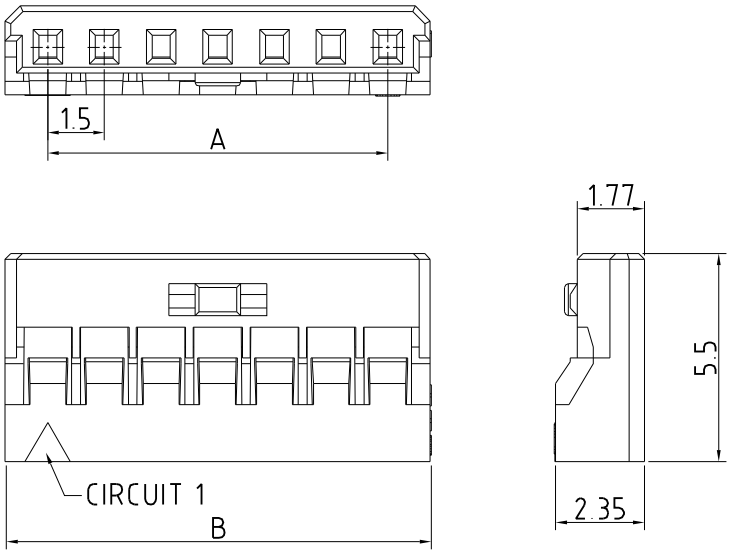
1.50mm Pitch Wire To Board Connector

Unit : mm

Housing

Features

Available Number of Circuits: 03 - 10
Material: Regular Thermoplastic 94V-0
Use with: TU1503 Crimp Terminal
Mates with : TU1503 Series Wafer



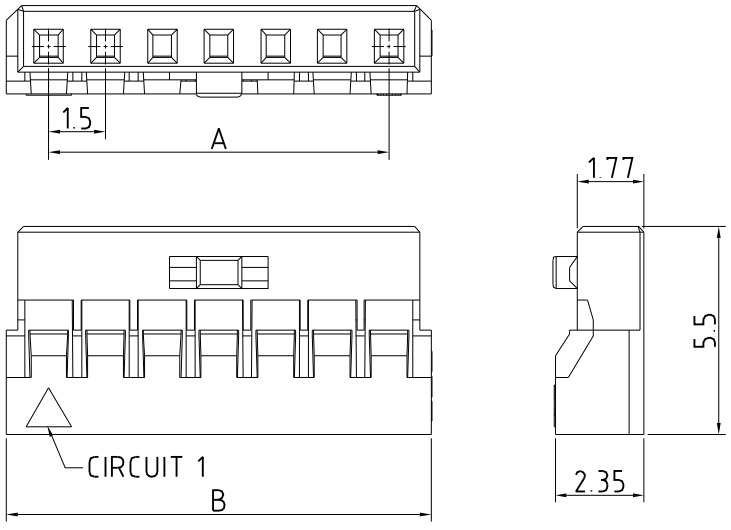
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
3	TU1503HNO-03A-M0	3.00	5.25
4	TU1503HNO-04A-M0	4.50	6.75
5	TU1503HNO-05A-M0	6.00	8.25
6	TU1503HNO-06A-M0	7.50	9.75
7	TU1503HNO-07A-M0	9.00	11.25
8	TU1503HNO-08A-M0	10.50	12.75
9	TU1503HNO-09A-M0	12.00	14.25
10	TU1503HNO-10A-M0	13.50	15.75

Housing

Features

Available Number of Circuits: 04 - 10
Material: Regular Thermoplastic 94V-0
Use with: TU1503 Crimp Terminal
Mates with : TU1503WGR-NPSD Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU1503HNO-04B-M0	4.50	6.75
5	TU1503HNO-05B-M0	6.00	8.25
6	TU1503HNO-06B-M0	7.50	9.75
7	TU1503HNO-07B-M0	9.00	11.25
8	TU1503HNO-08B-M0	10.50	12.75
9	TU1503HNO-09B-M0	12.00	14.25
10	TU1503HNO-10B-M0	13.50	15.75

TU1503 SERIES

1.50mm Pitch Wire To Board Connector

Unit : mm

Wafer Right Angle SMT-Type

Features

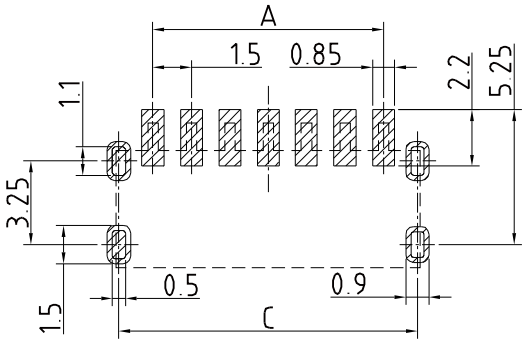
Available Number of Circuits : 05 - 09

Material : High Temperature Thermoplastic 94V-0

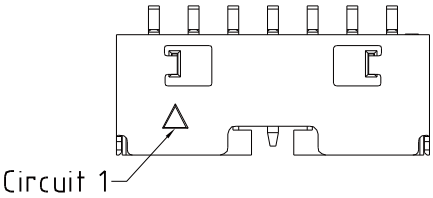
Contact: 0.4mm(.016") Copper Alloy Tin-plated

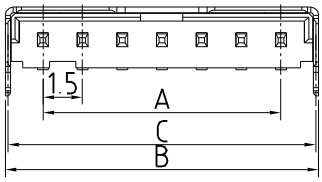
Shell : Stainless Steel

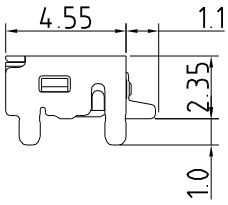
Mates with : TU1503 Series Housing



P.C.B LAYOUT







Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
4	TU1503WNR-05S-*	4.50	7.35	7.15
5	TU1503WNR-05S-*	6.00	8.85	8.65
6	TU1503WNR-06S-*	7.50	10.35	10.15
7	TU1503WNR-07S-*	9.00	11.85	11.65
8	TU1503WNR-08S-*	10.50	13.35	13.15
9	TU1503WNR-09S-*	12.00	14.85	14.65

Wafer Right Angle SMT B Type

Features

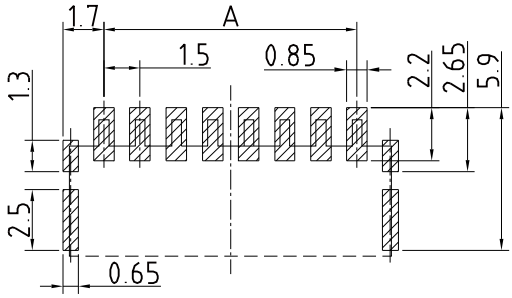
Available Number of Circuits : 03 - 10

Material : High Temperature Thermoplastic 94V-0

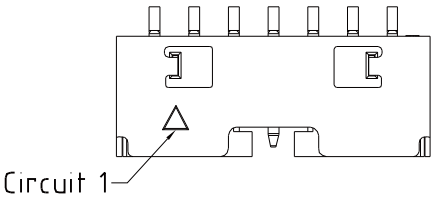
Contact: WNR:0.4mm(.016") Copper Alloy Tin-plated
WGR:0.4mm(.016") High Current Tin-plated

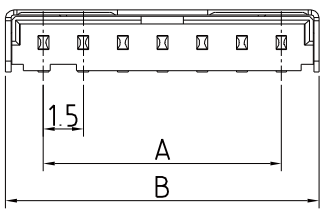
Shell : Nickel Silver

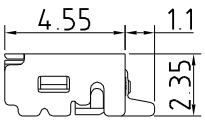
Mates with : TU1503 Series Housing



P.C.B LAYOUT







Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
3	TU1503W*R-03SB-*	3.00	5.85
4	TU1503W*R-04SB-*	4.50	7.35
5	TU1503W*R-05SB-*	6.00	8.85
6	TU1503W*R-06SB-*	7.50	10.35
7	TU1503W*R-07SB-*	9.00	11.85
8	TU1503W*R-08SB-*	10.50	13.35
9	TU1503W*R-09SB-*	12.00	14.85
10	TU1503W*R-10SB-*	13.50	16.35

TU1503 SERIES

1.50mm Pitch Wire To Board Connector

Unit : mm

Wafer

Right Angle High Current D Type

Features

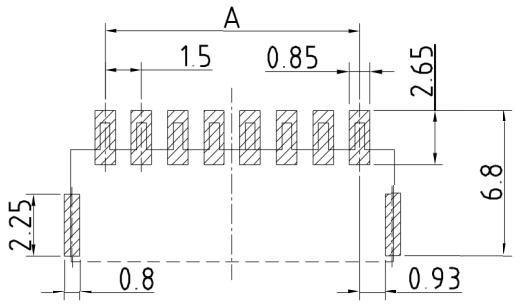
Available Number of Circuits : 05 - 09

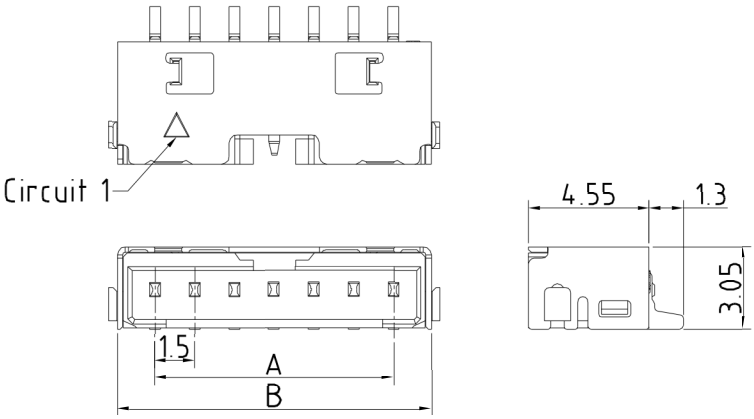
Material : High Temperature Thermoplastic 94V-0

Contact: 0.4mm(.016") High Current Tin-plated

Shell : Nickel Silver

Mates with : TU1503 B TYPE Series Housing



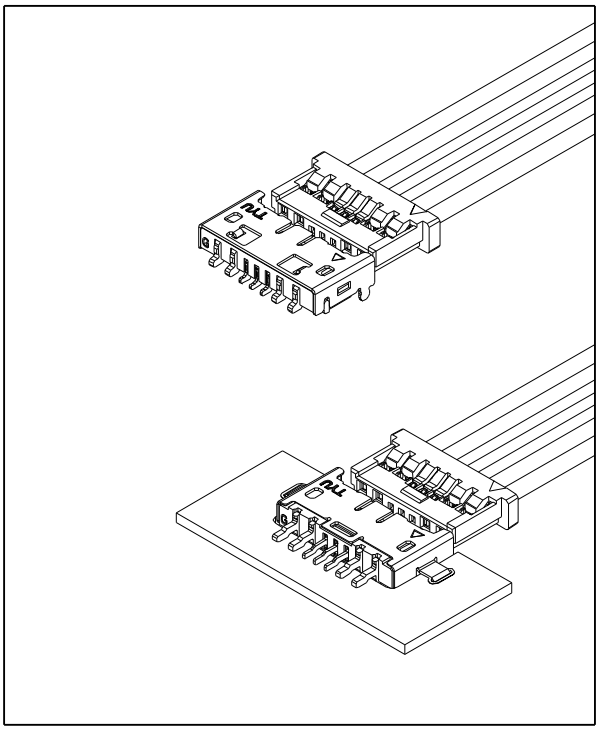


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
5	TU1503WGR-05SD-*	6.00	8.85
6	TU1503WGR-06SD-*	7.50	10.35
7	TU1503WGR-07SD-*	9.00	11.85
8	TU1503WGR-08SD-*	10.50	13.35
9	TU1503WGR-09SD-*	12.00	14.85
10	TU1503WGR-10SD-*	13.50	16.35

TU1504 SERIES

1.50&1.00mm Pitch Wire To Board Connector



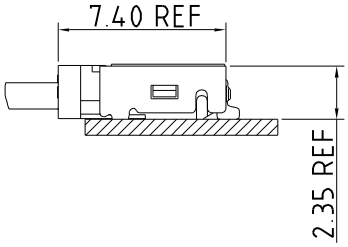
Specification

Circuits	07 - 11
Pitch	1.50&1.00mm
Current Rating	POWER: AWG 24 4.8 AC/DC POWER: AWG 26 3.6 AC/DC
Voltage Rating	30V AC/DC
Contact Resistance	Power pin: 20mΩ (Max.) Signal pin: 40mΩ (Max.)
Withstand Voltage	Power pin: 500V AC/minute
Insulation Resistance	Power pin: 500MΩ (Min.) Signal pin: 100MΩ (Min.)
Temperature Range	-40°C - +105°C
Applicable Wire Range	Power pin: AWG 24 ~AWG 26 Signal pin: AWG 28 ~AWG 30

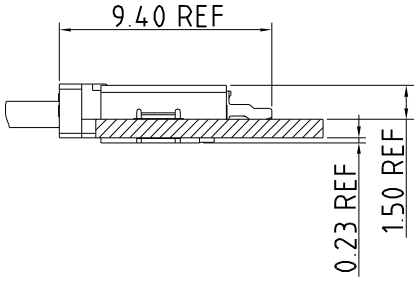
TU1504

Assembly Layout

SMT-Type Wafer



Inside SMT-Type Wafer



Part No. 1 TU1504 * - NP * - * * *
① ② ③ ④ ⑤⑥⑦

Part No. 2 TU1504 * - NP *
① ② ③ ⑥

① Part No. TU1504	④ Mount Type 52 : SMT-Type Wafer 5H: Inside SMT-Type Wafer	⑥ Product Color 0 : Four signal pins 1 : Three signal pins
② Connection Type: HNO : Terminal Socket WGR : Right Angle Wafer		⑦ Mount Type 0 : Black
③ Number of Contacts: NP : Circuits	⑤ Finish 0 : Gold flash over Nickel 5 : Gold 30u" over Nickel	

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1504 SERIES

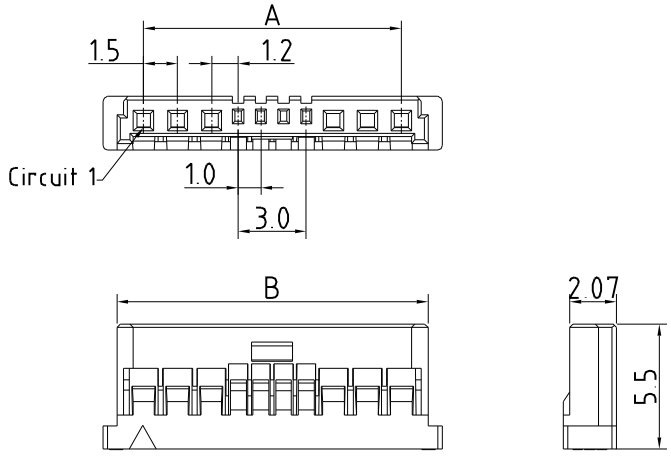
1.50&1.00mm Pitch Wire To Board Connector

Unit : mm

Housing

Features

Available Number of Circuits: 08,10
Material: Thermoplastic, UL94-V0
Use with: TU1503&TU1002 Crimp Terminal
Mates with : TU1504WGR-NP** -*0* Series Wafer



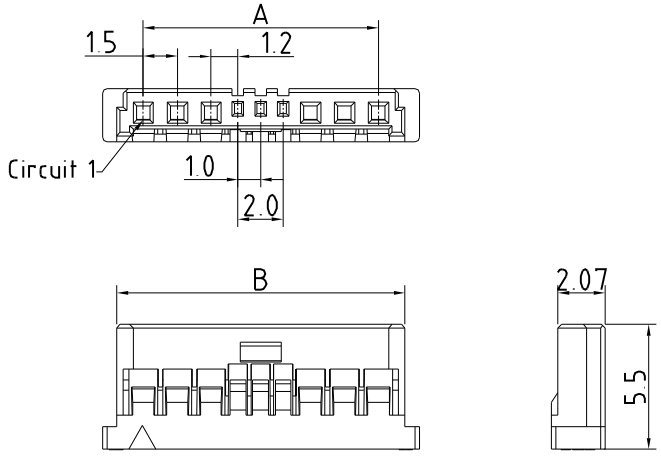
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
08	TU1504HNO-080	8.40	10.75
10	TU1504HNO-100	11.40	13.75

Housing

Features

Available Number of Circuits: 07,09,11
Material: Thermoplastic, UL94-V0
Use with: TU1503&TU1002 Crimp Terminal
Mates with : TU1504WGR-NP** -* 1* Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
07	TU1504HNO-071	7.40	9.75
09	TU1504HNO-091	10.40	12.75
11	TU1504HNO-111	13.40	15.75

TU1504 SERIES

1.50&1.00mm Pitch Wire To Board Connector

Unit : mm

Wafer SMT-Type Wafer

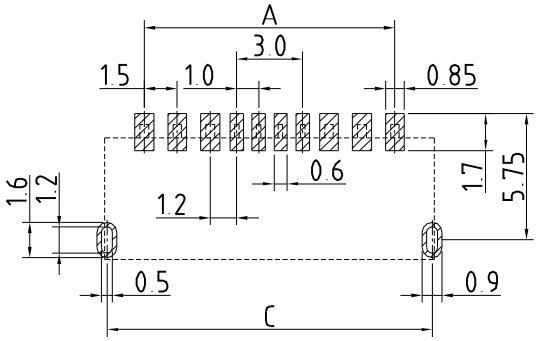
Features

Available Number of Circuits : 08,10

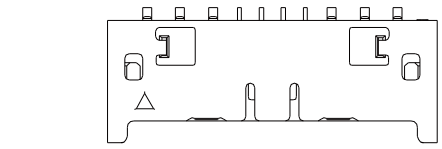
Material : High Temperature Thermoplastic 94V-0

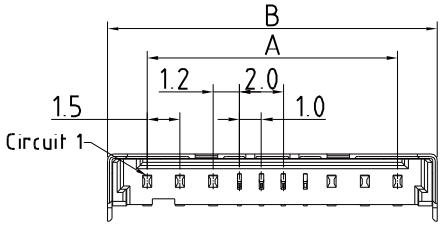
Contact : Power pin: 0.4mm(.016") Copper Alloy,
Signal pin: 0.2mm(.008") Copper Alloy,
Gold plated

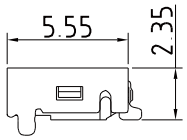
Mates with : TU1513HNO-NP0 Housing



P.C.B LAYOUT







Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
08	TU1504WGR-0852-*0*	8.40	12.00	11.80
10	TU1504WGR-1052-*0*	11.40	15.00	14.80

Wafer SMT-Type Wafer

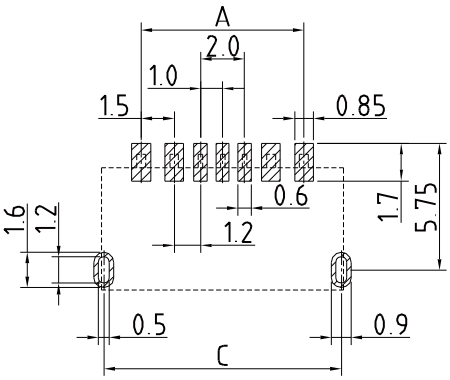
Features

Available Number of Circuits : 07,09,11

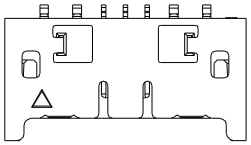
Material : High Temperature Thermoplastic 94V-0

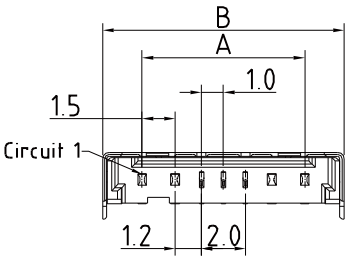
Contact : Power pin: 0.4mm(.016") Copper Alloy,
Signal pin: 0.2mm(.008") Copper Alloy,
Gold plated

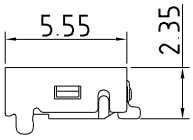
Mates with : TU1513HNO-NP1 Housing



P.C.B LAYOUT







Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
07	TU1504WGR-0752-*1*	7.40	11.00	10.80
09	TU1504WGR-0952-*1*	10.40	14.00	13.80
11	TU1504WGR-1152-*1*	13.40	17.00	16.80

TU1504 SERIES

1.50&1.00mm Pitch Wire To Board Connector

Unit : mm

Wafer

Inside SMT-Type Wafer

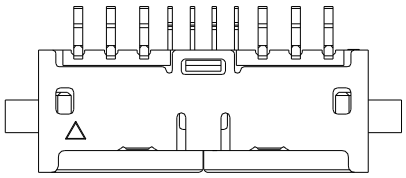
Features

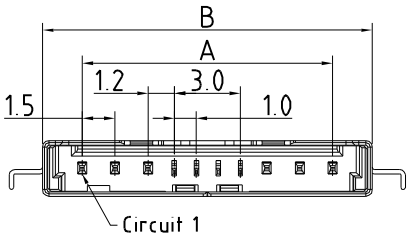
Available Number of Circuits : 08,10

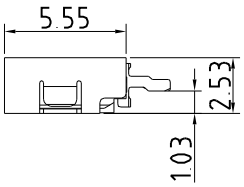
Material : High Temperature Thermoplastic 94V-0

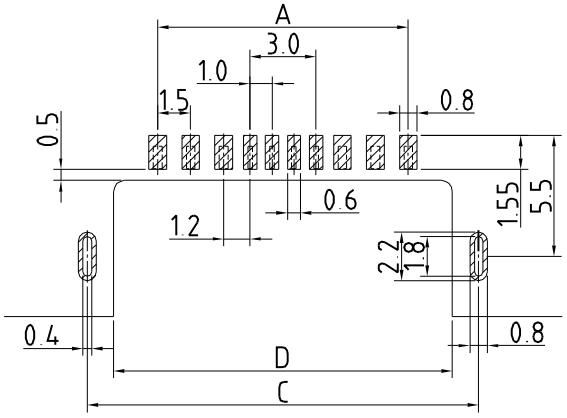
Contact : Power pin: 0.4mm(.016") Copper Alloy ,
Signal pin: 0.2mm(.008") Copper Alloy,
Gold plated

Mates with : TU1513HNO-NP0 Housing









P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)			
		A	B	C	D
08	TU1504WGR-085H-*0*	8.40	12.00	14.80	12.40
10	TU1504WGR-105H-*0*	11.40	15.00	17.80	15.40

Wafer

Inside SMT-Type Wafer

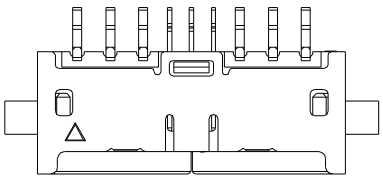
Features

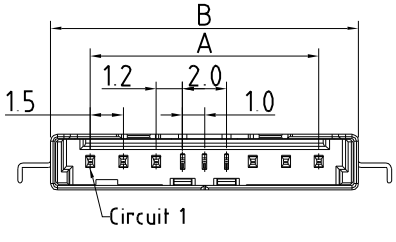
Available Number of Circuits : 07,09,11

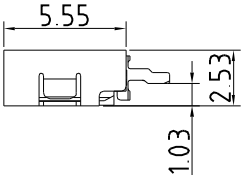
Material : High Temperature Thermoplastic 94V-0

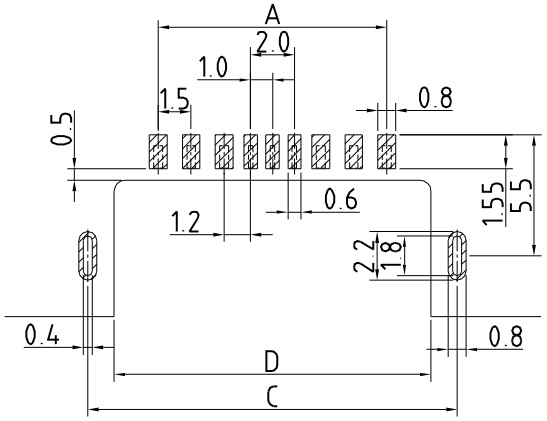
Contact : Power pin: 0.4mm(.016") Copper Alloy ,
Signal pin: 0.2mm(.008") Copper Alloy,
Gold plated

Mates with : TU1513HNO-NP1 Housing









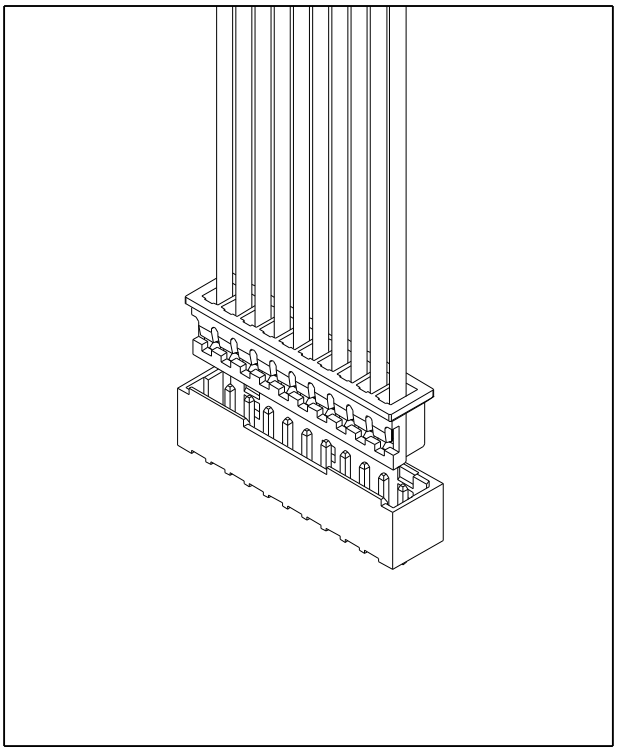
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)			
		A	B	C	D
07	TU1504WGR-075H-*1*	7.40	11.00	13.80	11.40
09	TU1504WGR-095H-*1*	10.40	14.00	16.80	14.40
11	TU1504WGR-115H-*1*	13.40	17.00	19.80	17.40

TU1512 SERIES

1.50mm Pitch Wire To Board Connector

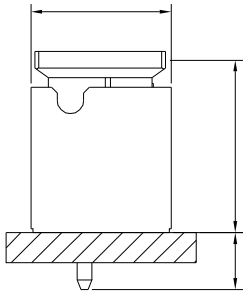


Specification

Circuits	02 -15
Pitch	1.50mm
Current Rating	3A AC/DC(AWG#24) 2A AC/DC(AWG#26) 1.5A AC/DC(AWG#28) 1.5A AC/DC(AWG#30)
Voltage Rating	50V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #24 - #30
Applicable P.C.B Thickness	0.6mm - 1.2mm
Applicable P.C.B Hole Dia.	Ø0.7mm ± 0.05

Assembly Layout

Vertical



TU1512 * - NP - *
① ② ③ ④

① Part No. TU1512	④ Contact Plating Code Blank : As Specified GO : Gold-flash over Nickel	
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1512 SERIES

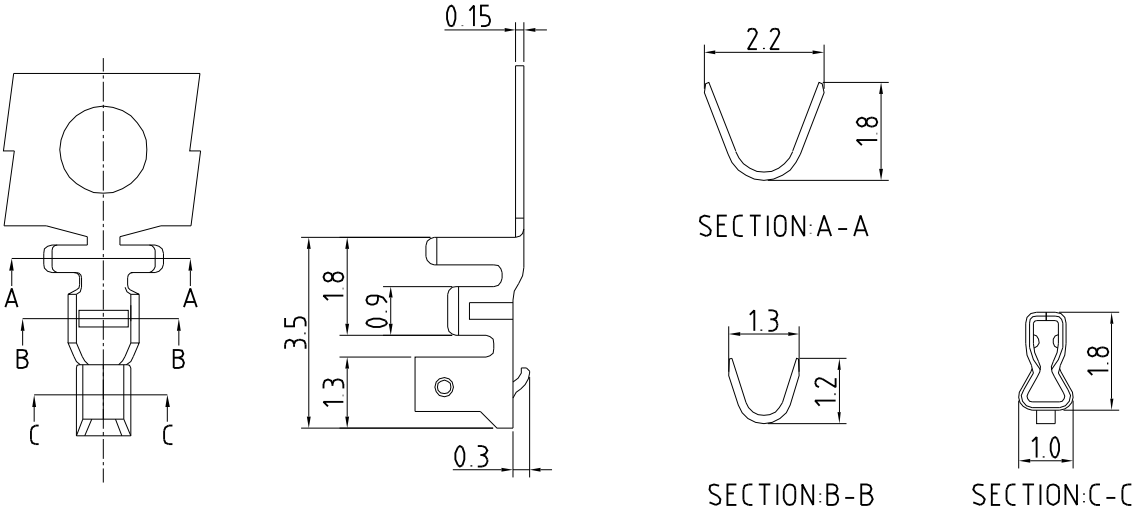
1.50mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU1512 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU1512TPO-*	AWG #24-#30	1.00mm(MAX.)	Phosphor bronze	See note	10,000 pcs

Note:

For this product in a different specification please contact TYU for more information

Housing

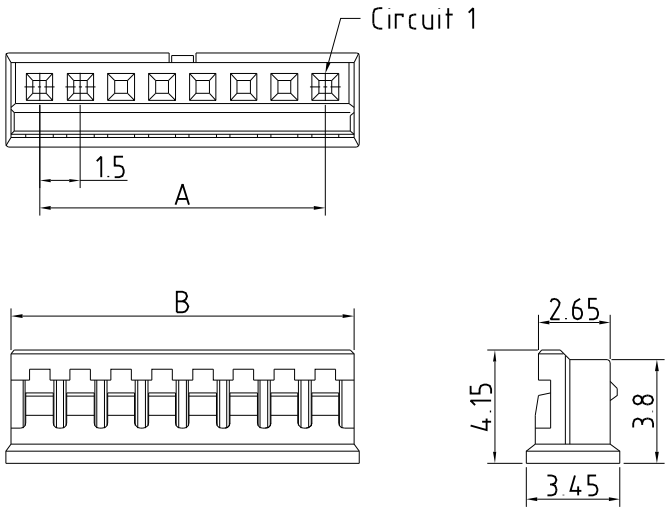
Features

Available Number of Circuits: 02 - 15

Material: Regular Thermoplastic 94V-0

Use with: TU1512 Crimp Terminal

Mates with : TU1512 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1512HNO-02	1.50	3.60
3	TU1512HNO-03	3.00	5.10
4	TU1512HNO-04	4.50	6.60
5	TU1512HNO-05	6.00	8.10
6	TU1512HNO-06	7.50	9.60
7	TU1512HNO-07	9.00	11.10
8	TU1512HNO-08	10.50	12.60
9	TU1512HNO-09	12.00	14.10
10	TU1512HNO-10	13.50	15.60
11	TU1512HNO-11	15.00	17.10
12	TU1512HNO-12	16.50	18.60
13	TU1512HNO-13	18.00	20.10
14	TU1512HNO-14	19.50	21.60
15	TU1512HNO-15	21.00	23.10

TU1512 SERIES

1.50mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical

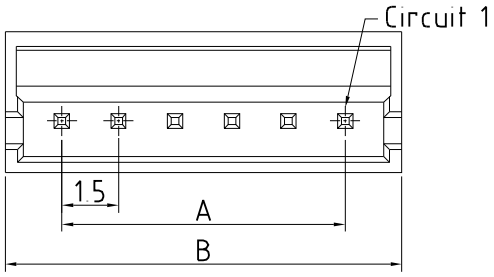
Features

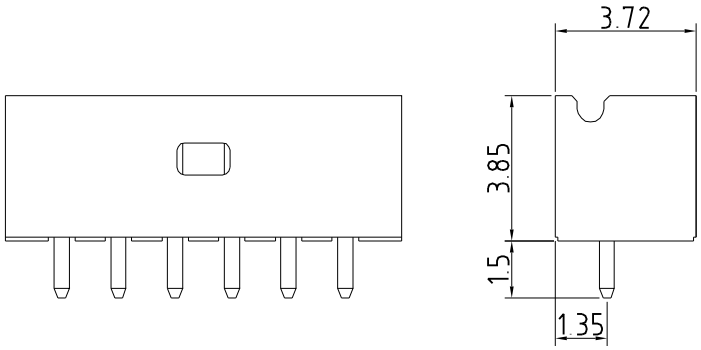
Available Number of Circuits : 02 - 15

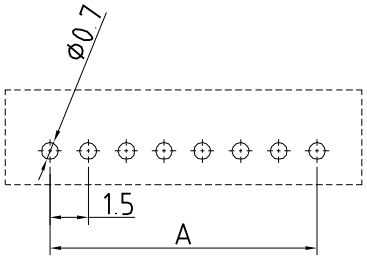
Material : High Temperature Thermoplastic 94V-0

Contact: 0.4mm(.016") Copper Alloy, Tin-plated

Mates with : TU1512 Series Housing







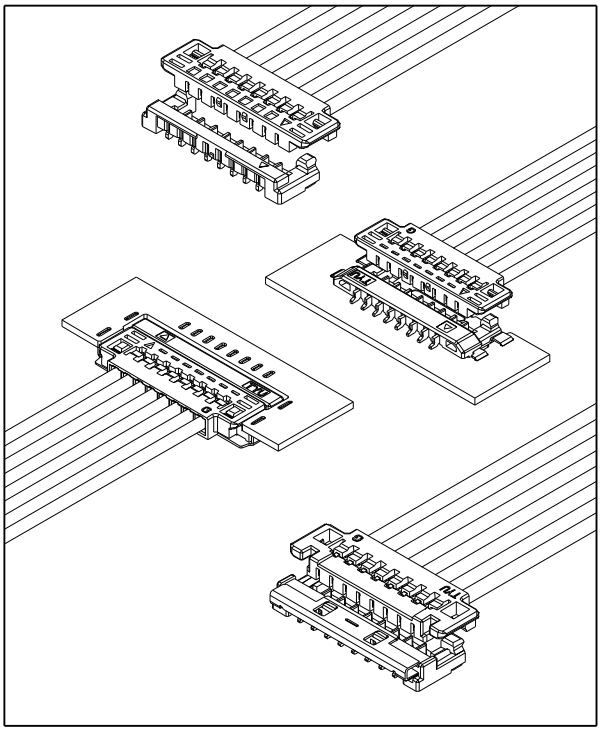
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm) A	DIM.(mm) B
2	TU1512WNV-02	1.50	4.50
3	TU1512WNV-03	3.00	6.00
4	TU1512WNV-04	4.50	7.50
5	TU1512WNV-05	6.00	9.00
6	TU1512WNV-06	7.50	10.50
7	TU1512WNV-07	9.00	12.00
8	TU1512WNV-08	10.50	13.50
9	TU1512WNV-09	12.00	15.00
10	TU1512WNV-10	13.50	16.50
11	TU1512WNV-11	15.00	18.00
12	TU1512WNV-12	16.50	19.50
13	TU1512WNV-13	18.00	21.00
14	TU1512WNV-14	19.50	22.50
15	TU1512WNV-15	21.00	24.00

TU1513 SERIES

1.50mm Pitch Wire To Board Connector

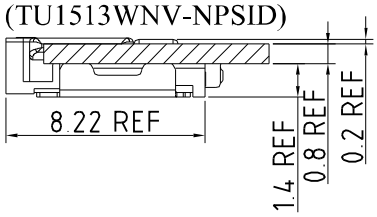


Specification

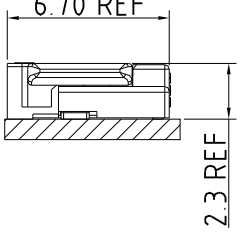
Circuits	02 - 15
Pitch	1.50mm
Current Rating	4.3A AC/DC(AWG#22) 4.0A AC/DC(AWG#24) 3.5A AC/DC(AWG#26) 2.5A AC/DC(AWG#28)
Voltage Rating	36V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #22 - #28

Assembly Layout

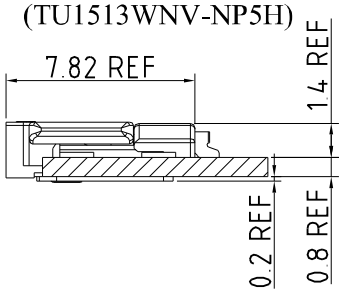
Vertical DIP-Inside Reversed Mating Type (TU1513WNV-NPSID)



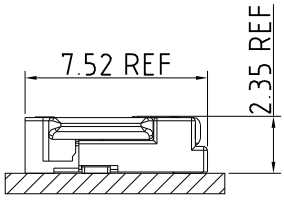
Vertical Type (TU1513WNV-NPS)



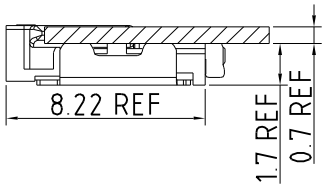
Vertical Inside Type (TU1513WNV-NP5H)



Vertical With Lock Type (TU1513WNV-NP5K)



Vertical DIP-Inside Reversed Mating Type (TU1513WNV-NPSIC)



Part No. 1 TU1513 * - NP * - *- *
① ② ③④ ⑤⑥

Part No. 2 TU1513 * - NP * * - * 00
① ② ③④⑦ ⑤

① Part No. TU1513	④ Mount Type (Part No. 1) S : SMT-Type Wafer (Part No. 2) K :With Lock SMT-Type Wafer (Part No. 1) SIC : Inside Reversed Mating C Type Wafer (Part No. 1) SID : Inside Reversed Mating D Type Wafer (Part No. 2) 5 : Inside SMT-Type Wafer	⑥ Product Color Blank : As Specified C* : Color of number
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer		⑦ Mount Type H : Inside Type
③ Number of Contacts: NP : Circuits	⑤ Finish (Part No. 1) GO : Gold flash over Nickel (Part No. 2) 0 : Gold flash over Nickel	

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1513 SERIES

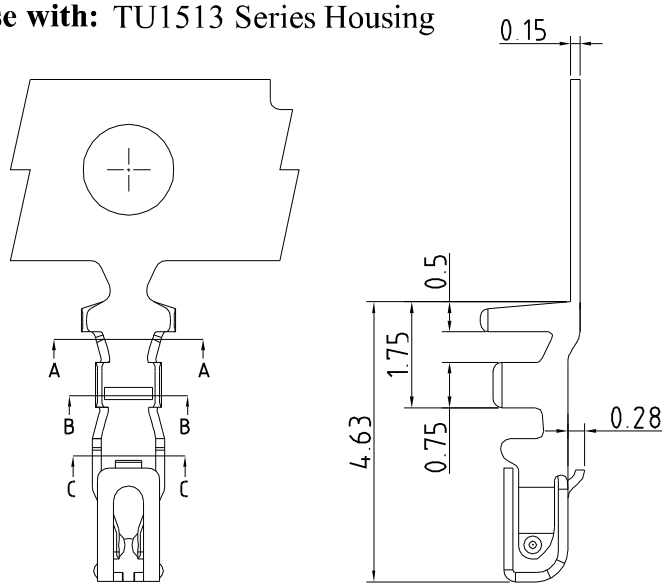
1.50mm Pitch Wire To Board Connector

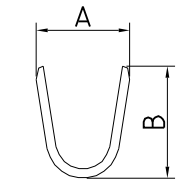
Unit : mm

Terminal

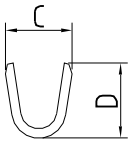
Features

Use with: TU1513 Series Housing

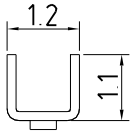




SECTION:A-A



SECTION:B-B



SECTION:C-C

CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TU1513TPO-*	AWG #24~#28	1.15mm MAX.	1.55	1.85	1.10	1.24	Phosphor bronze	See note	12,000 pcs
TU1513TPH-*	AWG #22		1.55	1.85	1.25	1.75			

Note:

For this product in a different specification please contact TYU for more information

Housing

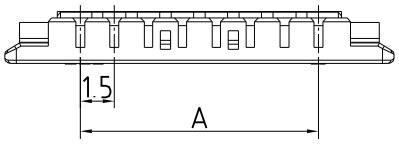
Features

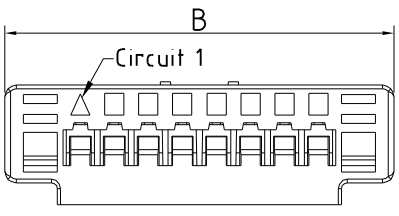
Available Number of Circuits: 02-15

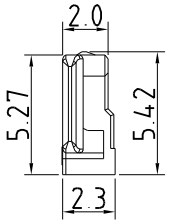
Material: Regular Thermoplastic 94V-0

Use with: TU1513 Crimp Terminal

Mates with : TU1513 Series Wafer







Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1513HNO-02-*	1.50	8.15
3	TU1513HNO-03-*	3.00	9.65
4	TU1513HNO-04-*	4.50	11.15
5	TU1513HNO-05-*	6.00	12.65
6	TU1513HNO-06-*	7.50	14.15
7	TU1513HNO-07-*	9.00	15.65
8	TU1513HNO-08-*	10.50	17.15
9	TU1513HNO-09-*	12.00	18.65
10	TU1513HNO-10-*	13.50	20.15
11	TU1513HNO-11-*	15.00	21.65
12	TU1513HNO-12-*	16.50	23.15
13	TU1513HNO-13-*	18.00	24.65
14	TU1513HNO-14-*	19.50	26.15
15	TU1513HNO-15-*	21.00	27.65

TU1513 SERIES

1.50mm Pitch Wire To Board Connector

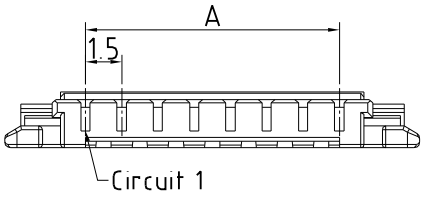
Unit : mm

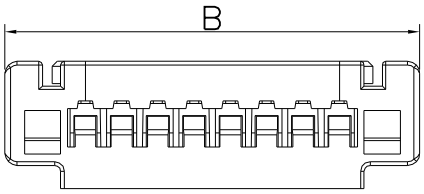
Housing

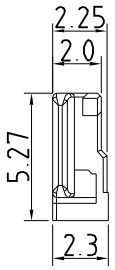
K-Type Housing

Features

Available Number of Circuits: 03-12
Material: Regular Thermoplastic 94V-0
Use with: TU1513 Crimp Terminal
Mates with : TU1513 Series SMT With Lock Type Wafer







Dimension and Order Information

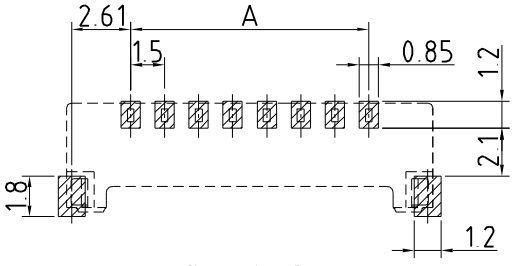
Circuits	Part No.	DIM.(mm)	
		A	B
3	TU1513HNO-03K-*	3.00	9.65
4	TU1513HNO-04K-*	4.50	11.15
5	TU1513HNO-05K-*	6.00	12.65
6	TU1513HNO-06K-*	7.50	14.15
7	TU1513HNO-07K-*	9.00	15.65
8	TU1513HNO-08K-*	10.50	17.15
9	TU1513HNO-09K-*	12.00	18.65
10	TU1513HNO-10K-*	13.50	20.15
12	TU1513HNO-12K-*	16.50	23.15

Wafer

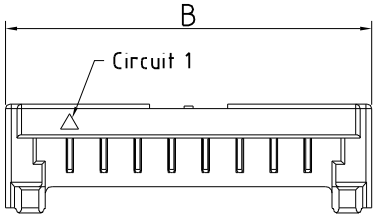
Vertical SMT Type

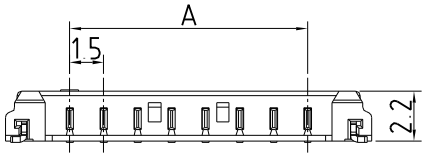
Features

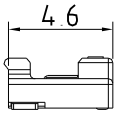
Available Number of Circuits : 02-15
Material : High Temperature Thermoplastic 94V-0
Contact : 0.3mm(.012") Copper Alloy , Gold plated
Mates with : TU1513 Series Housing



P.C.B LAYOUT







Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1513WNV-02S-*-*	1.50	7.15
3	TU1513WNV-03S-*-*	3.00	8.65
4	TU1513WNV-04S-*-*	4.50	10.15
5	TU1513WNV-05S-*-*	6.00	11.65
6	TU1513WNV-06S-*-*	7.50	13.15
7	TU1513WNV-07S-*-*	9.00	14.65
8	TU1513WNV-08S-*-*	10.50	16.15
9	TU1513WNV-09S-*-*	12.00	17.65
10	TU1513WNV-10S-*-*	13.50	19.15
11	TU1513WNV-11S-*-*	15.00	20.65
12	TU1513WNV-12S-*-*	16.50	22.15
13	TU1513WNV-13S-*-*	18.00	23.65
14	TU1513WNV-14S-*-*	19.50	25.15
15	TU1513WNV-15S-*-*	21.00	26.65

TU1513 SERIES

1.50mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical SMT With Lock Type

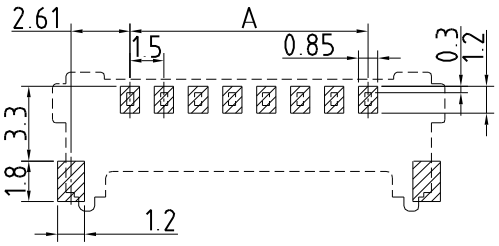
Features

Available Number of Circuits : 03-12

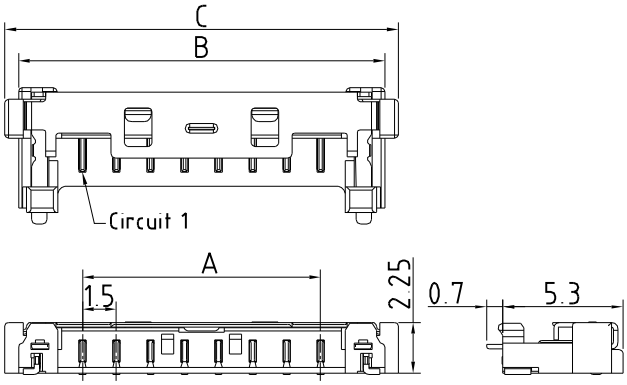
Material : High Temperature Thermoplastic 94V-0

Contact : 0.3mm(.012") Copper Alloy , Gold plated

Mates with : TU1513 Series K-Type Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
3	TU1513WNV-035K-*4*	3.00	8.65	9.85
4	TU1513WNV-045K-*4*	4.50	10.15	11.35
5	TU1513WNV-055K-*4*	6.00	11.65	12.85
6	TU1513WNV-065K-*4*	7.50	13.15	14.35
7	TU1513WNV-075K-*4*	9.00	14.65	15.85
8	TU1513WNV-085K-*4*	10.50	16.15	17.35
9	TU1513WNV-095K-*4*	12.00	17.65	18.85
10	TU1513WNV-105K-*4*	13.50	19.15	20.35
12	TU1513WNV-125K-*4*	16.50	22.15	23.35

Wafer Vertical SMT Inside Type

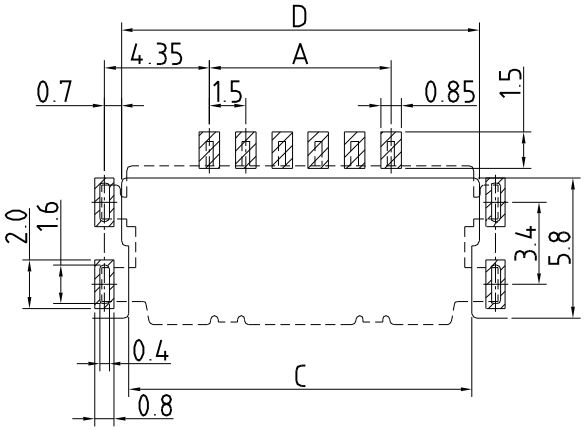
Features

Available Number of Circuits : 06-08

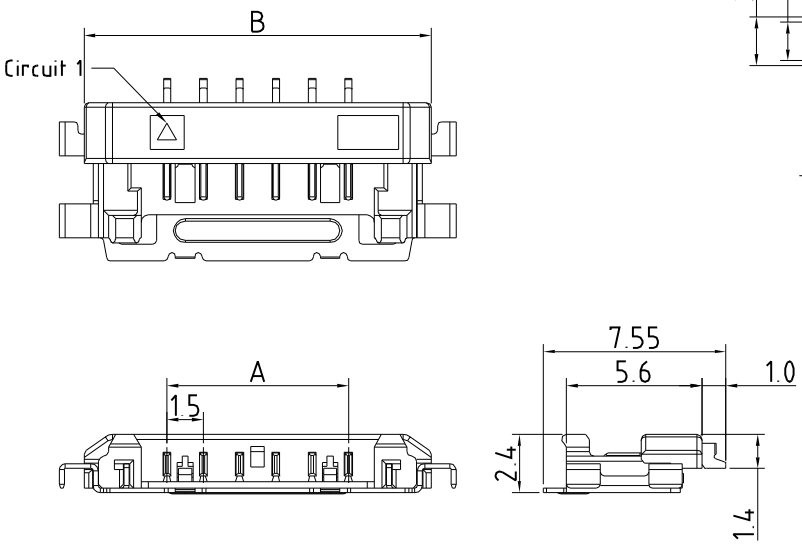
Material : High Temperature Thermoplastic 94V-0

Contact : 0.3mm(.012") Copper Alloy , Gold plated

Mates with : TU1513 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)			
		A	B	C	D
6	TU1513WNV-065H-*00	7.50	14.35	14.20	14.80
7	TU1513WNV-075H-*00	9.00	15.85	15.70	16.30
8	TU1513WNV-085H-*00	10.50	17.35	17.20	17.80

TU1513 SERIES

1.50mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical DIP-Inside Reversed Mating Type

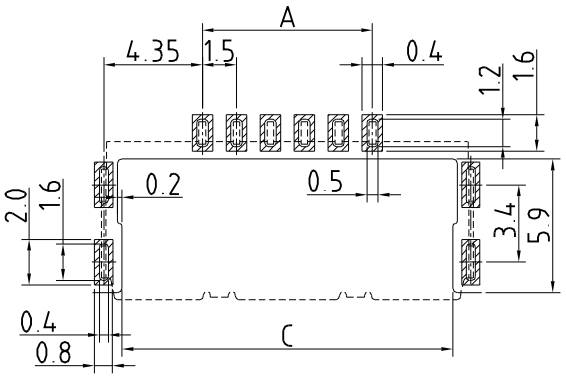
Features

Available Number of Circuits : 06-08

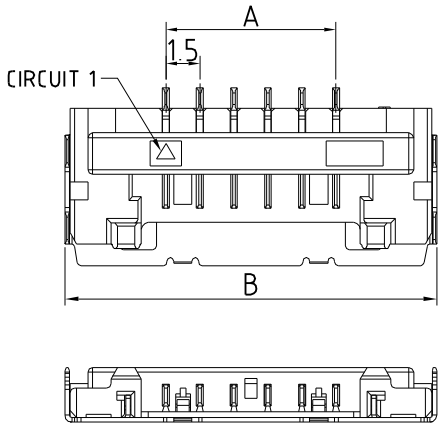
Material : High Temperature Thermoplastic 94V-0

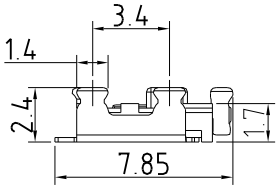
Contact : 0.3mm(.012") Copper Alloy , Gold plated

Mates with : TU1513 Series Housing



P.C.B LAYOUT





Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
6	TU1513WNV-06SIC-*-*	7.50	16.40	14.60
8	TU1513WNV-08SIC-*-*	10.50	19.40	17.60

Wafer Vertical DIP-Inside Reversed Mating Type

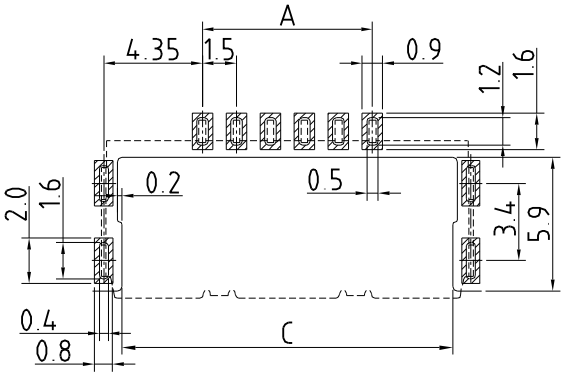
Features

Available Number of Circuits : 06-08

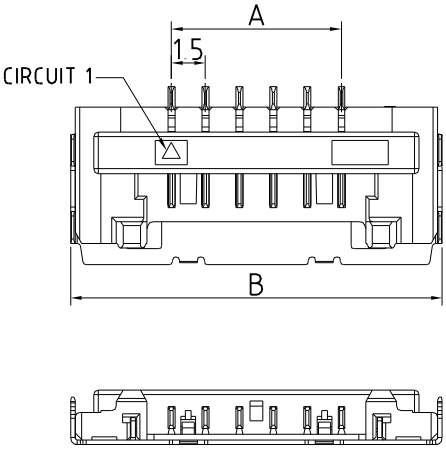
Material : High Temperature Thermoplastic 94V-0

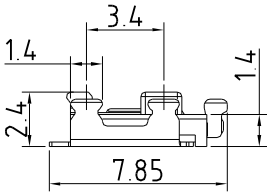
Contact : 0.3mm(.012") Copper Alloy , Gold plated

Mates with : TU1513 Series Housing



P.C.B LAYOUT



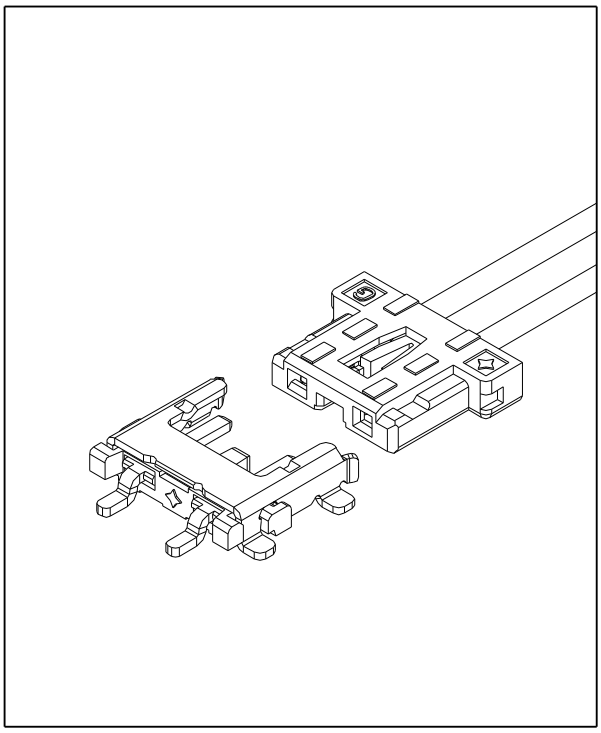


Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
6	TU1513WNV-06SID-*-*	7.50	16.40	14.60
8	TU1513WNV-08SID-*-*	10.50	19.40	17.60

TU1809 SERIES

1.80mm Pitch Wire To Board Connector



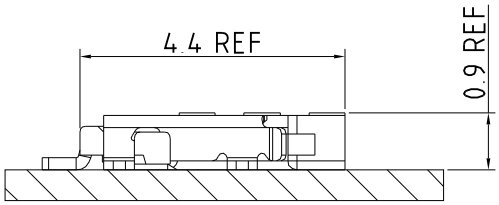
Specification

Circuits	02
Pitch	1.80mm
Current Rating	2.0A AC/DC (AWG#28)
	1.8A AC/DC (AWG#30)
	1.5A AC/DC (AWG#32)
	1.3A AC/DC (AWG#34)
Voltage Rating	50V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #28 - #34

TU1809

Assembly Layout

Right Angle



TU1809 * - 02 (① ② ③)		TU1809 *-02 00 01 J 1 6 (① ② ③ ④ ⑤)
① Part No. TU1202	④ Mount Type 00: SMT Type Wafer	
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer	⑤ Finish 01 : Gold flash over Nickel	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1809 SERIES

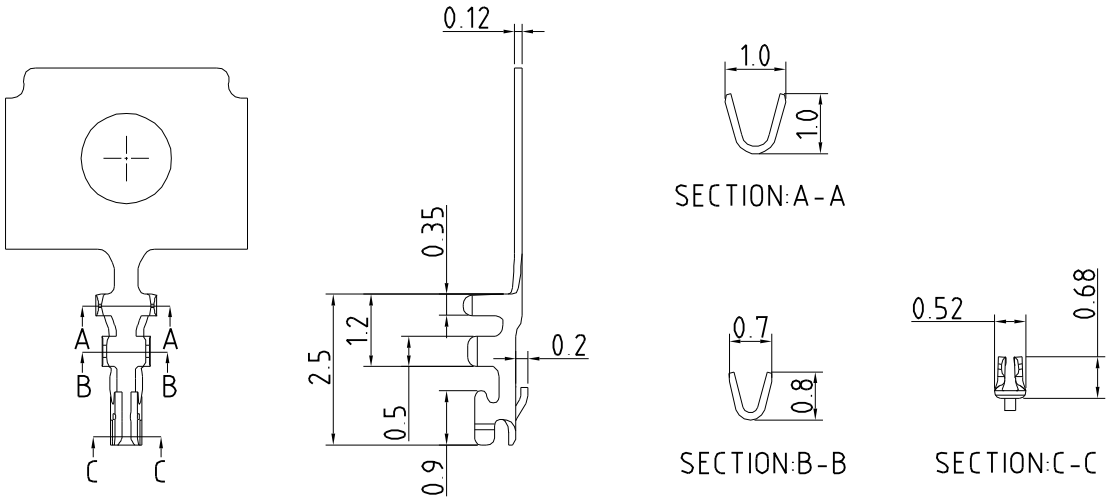
1.80mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU1809 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU1809TPO-*	AWG #28-#34	⌀0.54mm(Max.)	Phosphor bronze	See note	20,000 pcs

Note:

For this product in a different specification please contact TYU for more information

Housing

Features

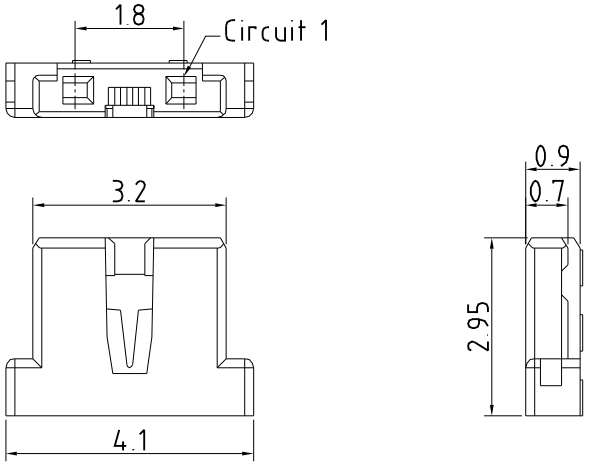
Available Number of Circuits : 02

Material : High Temperature Thermoplastic 94V-0

Use with : TU1809 Crimp Terminal

Mates with : TU1809 Series Wafer

Part No. : TU1809HNO-02



TU1809 SERIES

1.80mm Pitch Wire To Board Connector

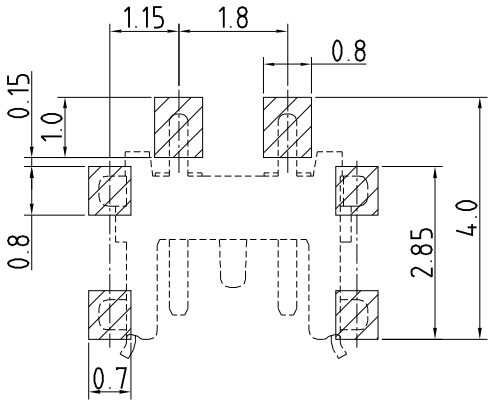
Unit : mm

Wafer

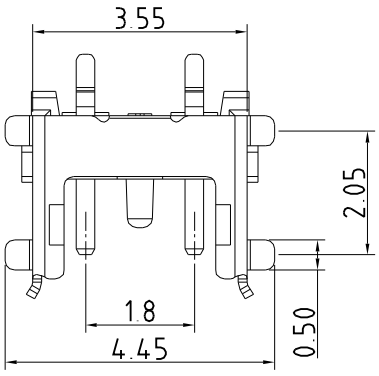
Right Angle SMT Type

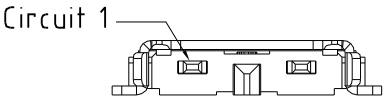
Features

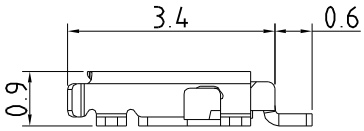
Available Number of Circuits : 02
Material : High Temperature Thermoplastic 94V-0
Contact : 0.2mm(.008") Copper Alloy, Gold-plated
Shell : Copper Alloy
Mates with : TU1809 Series Housing
Part No. : TU1809WNR-NP0001J16



P.C.B LAYOUT





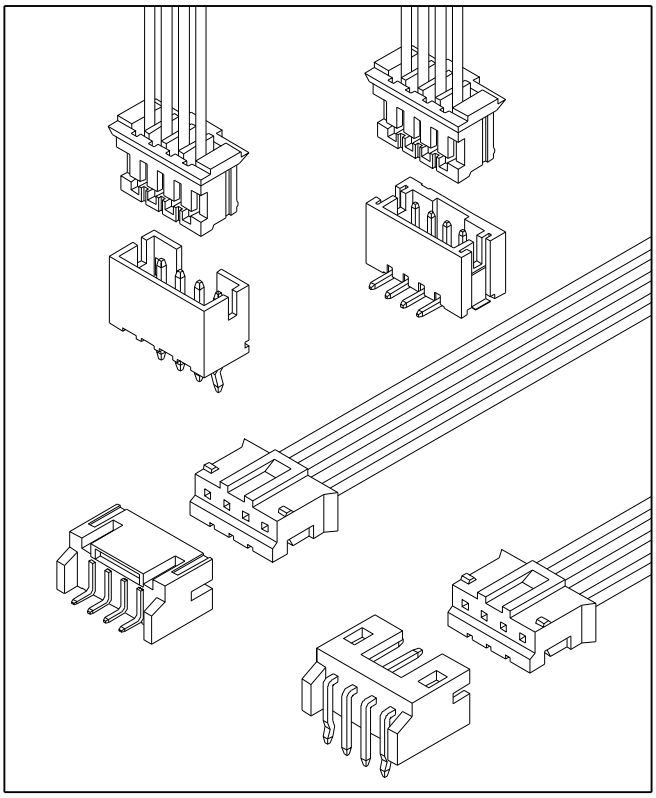


TU1809

TU2001 SERIES

2.00mm Pitch Wire To Board Connector

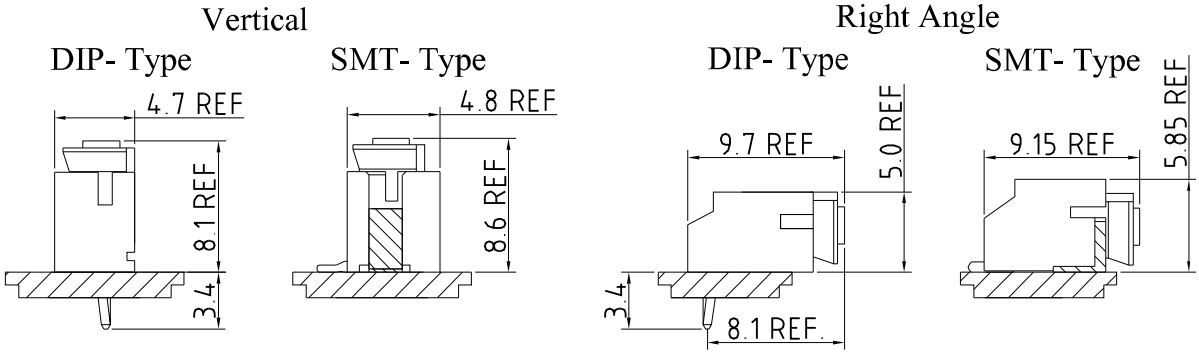
TU2001



Specification

Circuits	02 - 16
Pitch	2.00mm
Current Rating	3.0A AC/DC (AWG#24)
	2.5A AC/DC (AWG#26)
	1.5A AC/DC (AWG#28)
	1.0A AC/DC (AWG#30)
Voltage Rating	100V AC/DC
Contact Resistance	10mΩ MAX.
Withstand Voltage	800V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #24 - #30
Applicable P.C.B Thickness	0.8mm - 1.6mm
Applicable P.C.B Hole Dia.	Ø0.8mm ± 0.05

Assembly Layout



TU2001 * - NP * - * - * - * - *
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Part No. TU2001	⑤ Contact Plating Code Blank : As Specified GO : Gold-flash over Nickel (C) : Semi-gloss Tin (DIP)	⑦ Contact Blank : As Specified SP: Square Pin
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer		⑧ Product Color Blank : As Specified C* : Color of number
③ Number of Contacts: NP : Circuits	⑥ Material Code Blank : As Specified M7 : Nylon 9T UL 94V-0	
④ Mount Type S : SMT-Type Wafer		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU2001 SERIES

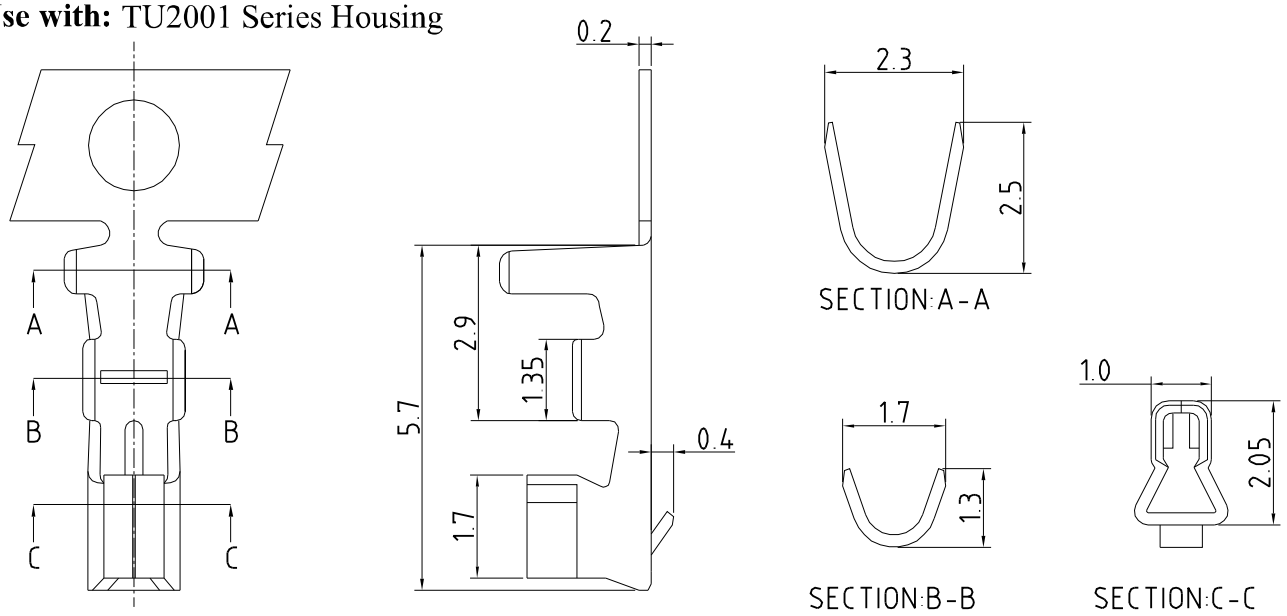
2.00mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU2001 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU2001TBO-*D	AWG #24-#30	1.40mm(MAX.)	Brass	See note	10,000 pcs
TU2001TPO-*D			Phosphor bronze		

Note:

For this product in a different specification please contact TYU for more information

Housing

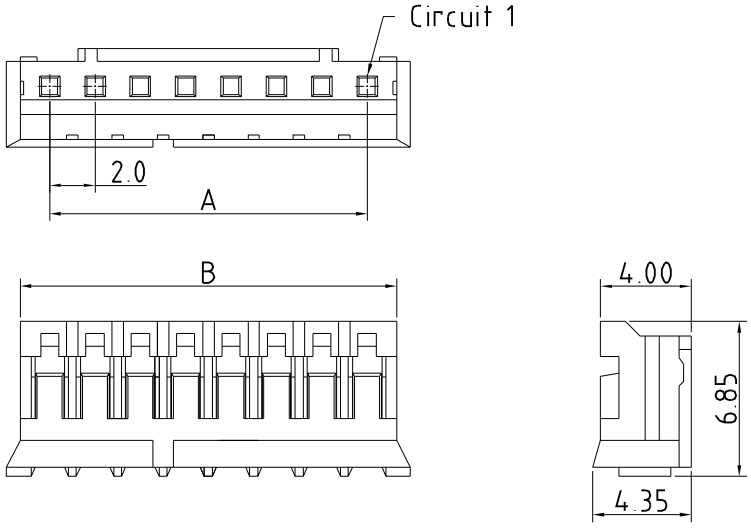
Features

Available Number of Circuits: 02 - 16

Material: Regular Thermoplastic 94V-0

Use with: TU2001 Crimp Terminal

Mates with : TU2001 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm) A	DIM.(mm) B
2	TU2001HNO-02	2.00	4.60
3	TU2001HNO-03	4.00	6.60
4	TU2001HNO-04	6.00	8.60
5	TU2001HNO-05	8.00	10.60
6	TU2001HNO-06	10.00	12.60
7	TU2001HNO-07	12.00	14.60
8	TU2001HNO-08	14.00	16.60
9	TU2001HNO-09	16.00	18.60
10	TU2001HNO-10	18.00	20.60
11	TU2001HNO-11	20.00	22.60
12	TU2001HNO-12	22.00	24.60
13	TU2001HNO-13	24.00	26.60
14	TU2001HNO-14	26.00	28.60
15	TU2001HNO-15	28.00	30.60
16	TU2001HNO-16	30.00	32.60

TU2001 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical

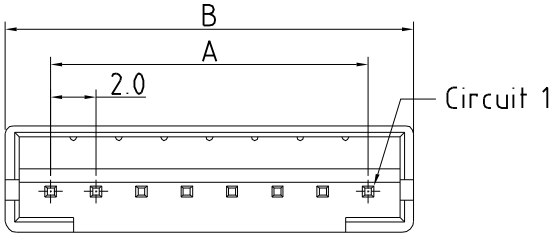
Features

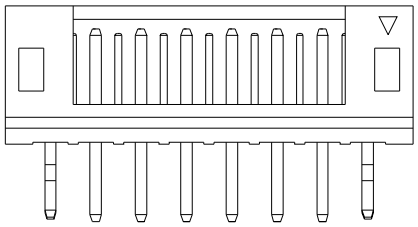
Available Number of Circuits : 02 - 16

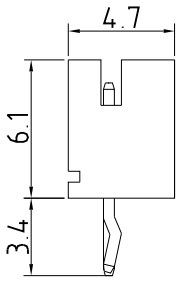
Material : Regular Thermoplastic 94V-0

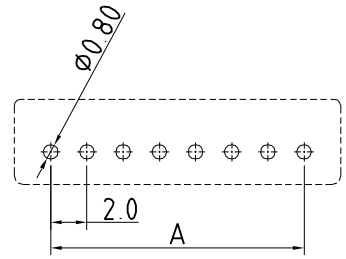
Contact: 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2001 Series Housing









P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2001WNV-02	2.00	6.00
3	TU2001WNV-03	4.00	8.00
4	TU2001WNV-04	6.00	10.00
5	TU2001WNV-05	8.00	12.00
6	TU2001WNV-06	10.00	14.00
7	TU2001WNV-07	12.00	16.00
8	TU2001WNV-08	14.00	18.00
9	TU2001WNV-09	16.00	20.00
10	TU2001WNV-10	18.00	22.00
11	TU2001WNV-11	20.00	24.00
12	TU2001WNV-12	22.00	26.00
13	TU2001WNV-13	24.00	28.00
14	TU2001WNV-14	26.00	30.00
15	TU2001WNV-15	28.00	32.00
16	TU2001WNV-16	30.00	34.00

Wafer Right Angle

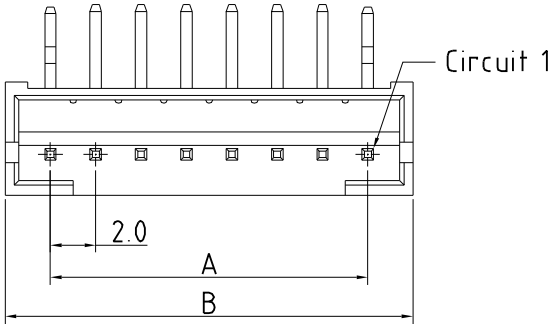
Features

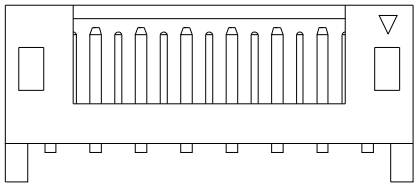
Available Number of Circuits : 02 - 16

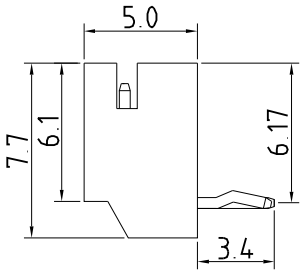
Material : High Temperature Thermoplastic 94V-0

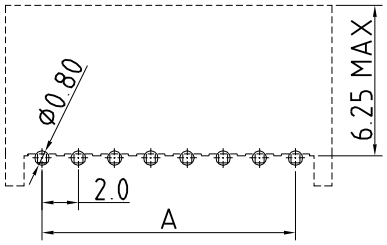
Contact: 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2001 Series Housing









P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2001WNR-02	2.00	6.00
3	TU2001WNR-03	4.00	8.00
4	TU2001WNR-04	6.00	10.00
5	TU2001WNR-05	8.00	12.00
6	TU2001WNR-06	10.00	14.00
7	TU2001WNR-07	12.00	16.00
8	TU2001WNR-08	14.00	18.00
9	TU2001WNR-09	16.00	20.00
10	TU2001WNR-10	18.00	22.00
11	TU2001WNR-11	20.00	24.00
12	TU2001WNR-12	22.00	26.00
13	TU2001WNR-13	24.00	28.00
14	TU2001WNR-14	26.00	30.00
15	TU2001WNR-15	28.00	32.00
16	TU2001WNR-16	30.00	34.00

TU2001 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer

Vertical SMT TYPE

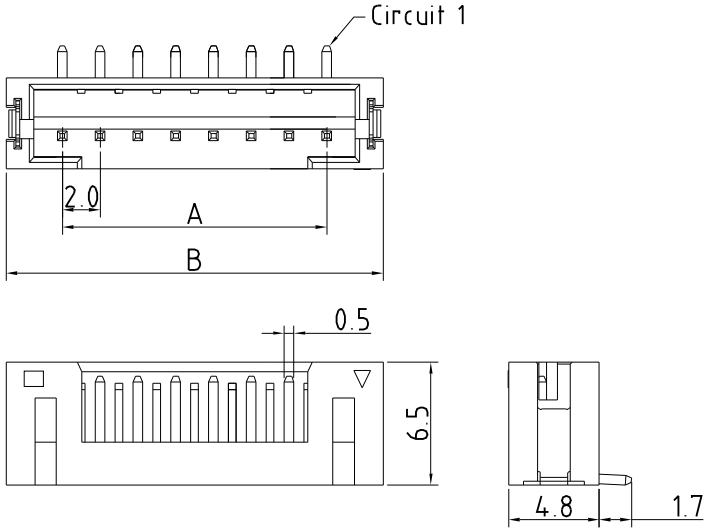
Features

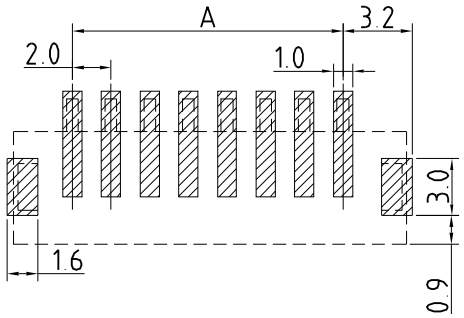
Available Number of Circuits : 02 - 08

Material : High Temperature Thermoplastic 94V-0

Contact: 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2001 Series Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2001WNV-02S-SP-*-*	2.00	7.95
3	TU2001WNV-03S-SP-*-*	4.00	9.95
4	TU2001WNV-04S-SP-*-*	6.00	11.95
5	TU2001WNV-05S-SP-*-*	8.00	13.95
6	TU2001WNV-06S-SP-*-*	10.00	15.95
7	TU2001WNV-07S-SP-*-*	12.00	17.95
8	TU2001WNV-08S-SP-*-*	14.00	19.95

Wafer

Vertical SMT TYPE

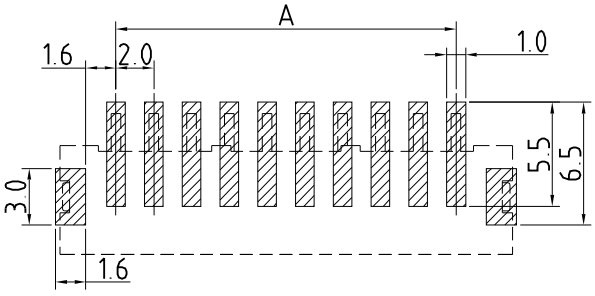
Features

Available Number of Circuits : 09 - 16

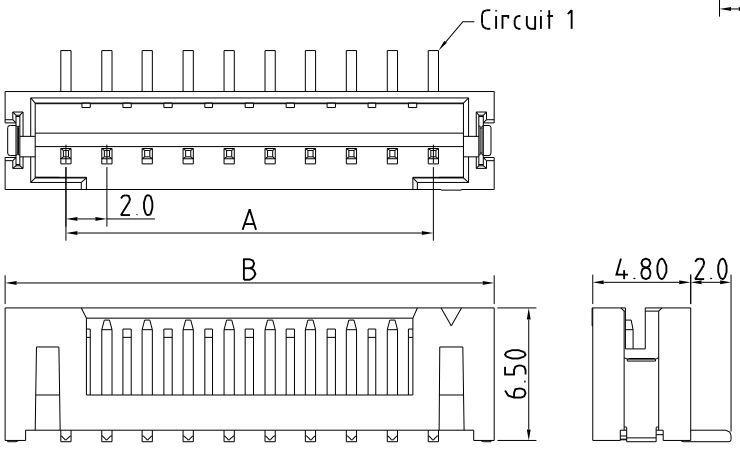
Material : High Temperature Thermoplastic 94V-0

Contact: 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2001 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
9	TU2001WNV-09SC-*-*	16.00	21.95
10	TU2001WNV-10SC-*-*	18.00	23.95
11	TU2001WNV-11SC-*-*	20.00	25.95
12	TU2001WNV-12SC-*-*	22.00	27.95
13	TU2001WNV-13SC-*-*	24.00	29.95
14	TU2001WNV-14SC-*-*	26.00	31.95
15	TU2001WNV-15SC-*-*	28.00	33.95
16	TU2001WNV-16SC-*-*	30.00	35.95

TU2001 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer

Right Angle SMT TYPE

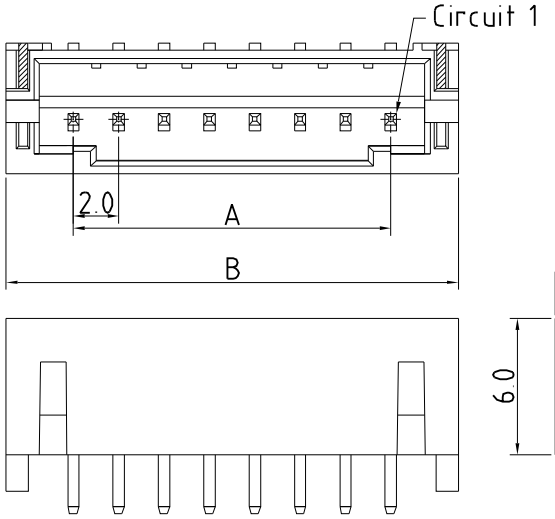
Features

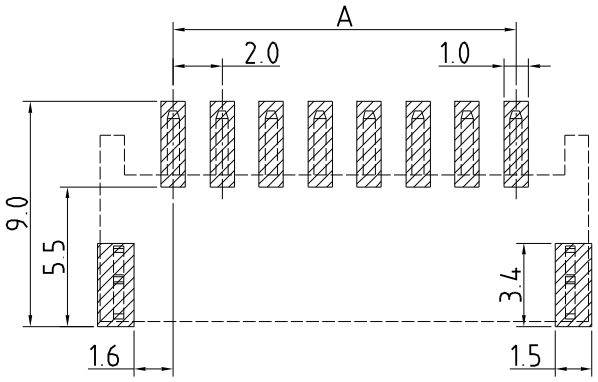
Available Number of Circuits : 02 - 05

Material : High Temperature Thermoplastic 94V-0

Contact: 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2001 Series Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2001WNR-02S-SP-*-*	2.00	7.95
3	TU2001WNR-03S-SP-*-*	4.00	9.95
4	TU2001WNR-04S-SP-*-*	6.00	11.95
5	TU2001WNR-05S-SP-*-*	8.00	13.95

Wafer

Right Angle SMT TYPE

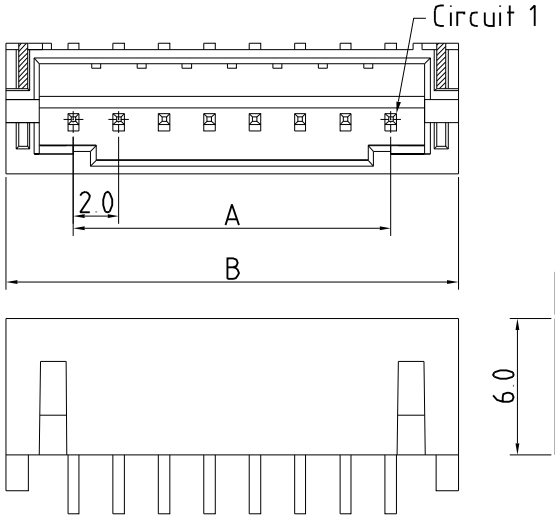
Features

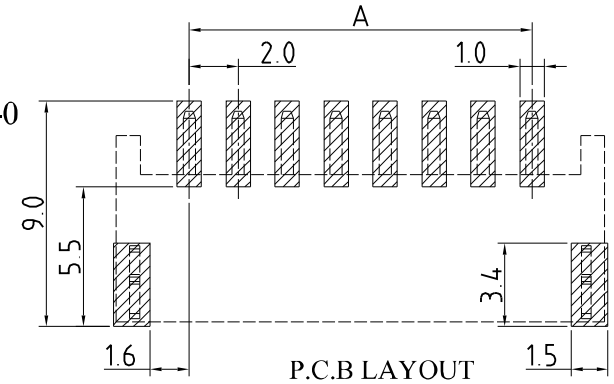
Available Number of Circuits : 06 - 16

Material : High Temperature Thermoplastic 94V-0

Contact: 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2001 Series Housing





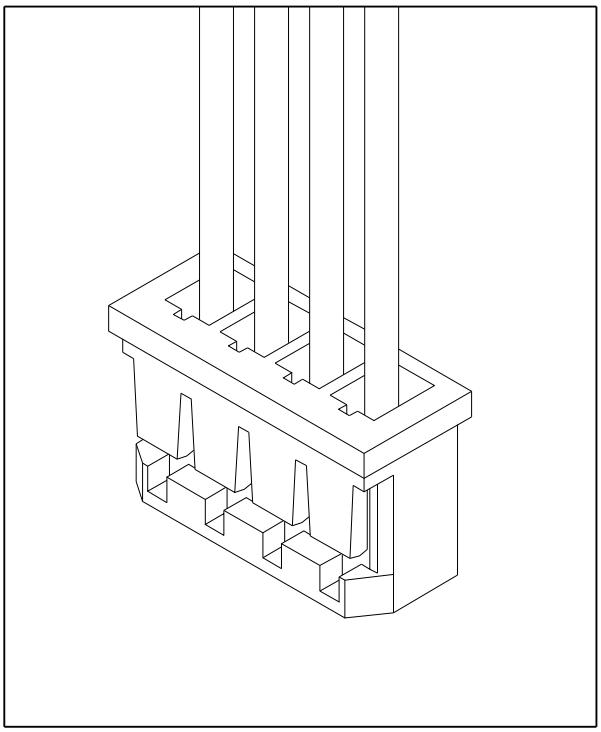
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
6	TU2001WNR-06S-*-*	10.00	15.95
7	TU2001WNR-07S-*-*	12.00	17.95
8	TU2001WNR-08S-*-*	14.00	19.95
9	TU2001WNR-09S-*-*	16.00	21.95
10	TU2001WNR-10S-*-*	18.00	23.95
11	TU2001WNR-11S-*-*	20.00	25.95
12	TU2001WNR-12S-*-*	22.00	27.95
13	TU2001WNR-13S-*-*	24.00	29.95
14	TU2001WNR-14S-*-*	26.00	31.95
15	TU2001WNR-15S-*-*	28.00	33.95
16	TU2001WNR-16S-*-*	30.00	36.95

TU2002 SERIES

2.00mm Pitch Wire To Board Connector



Specification

Circuits	02 - 15
Pitch	2.00mm
Current Rating	1.5A AC/DC
Voltage Rating	100V AC/DC
Contact Resistance	40mΩ MAX.
Withstand Voltage	800V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #24 - #30

TU2002

TU2002 * - NP
① ② ③

① Part No. TU2002		
② Connection Type: HNO : Terminal Socket		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU2002 SERIES

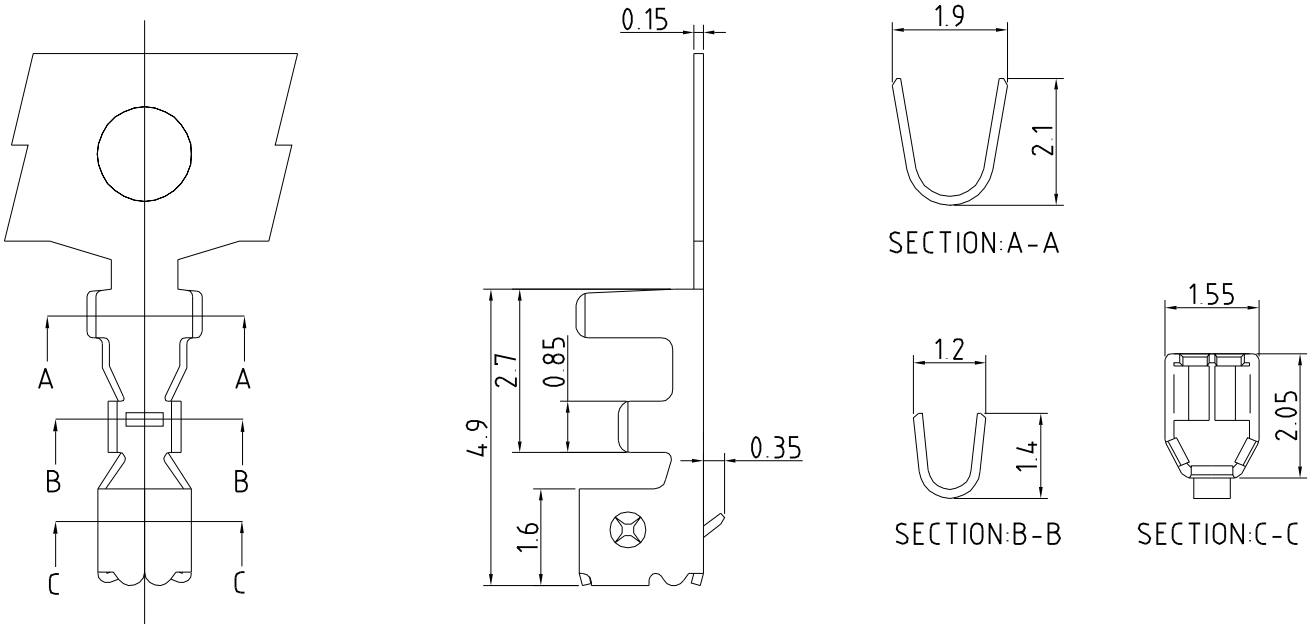
2.00mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU2002 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU2002TPO-*	AWG #24-#30	1.40mm(MAX.)	Phosphor bronze	See note	11,000 pcs

Note:

For this product in a different specification please contact TYU for more information

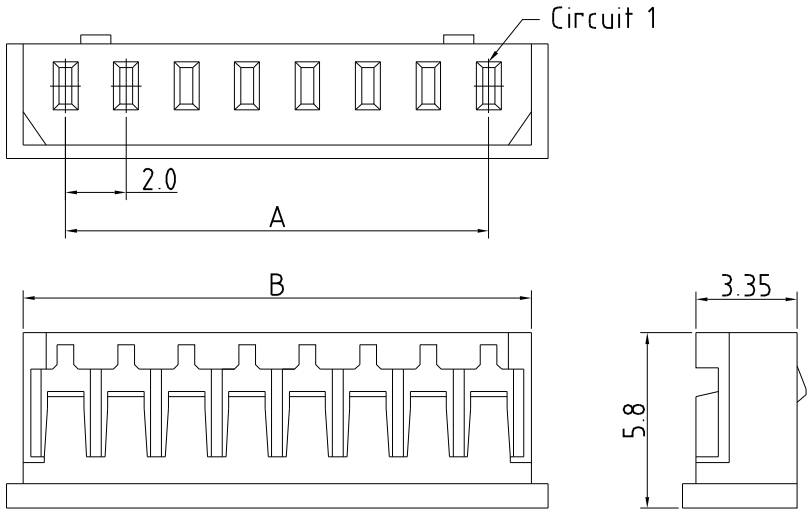
Housing

Features

Available Number of Circuits: 02 - 15

Material: Regular Thermoplastic 94V-0

Use with: TU2002 Crimp Terminal

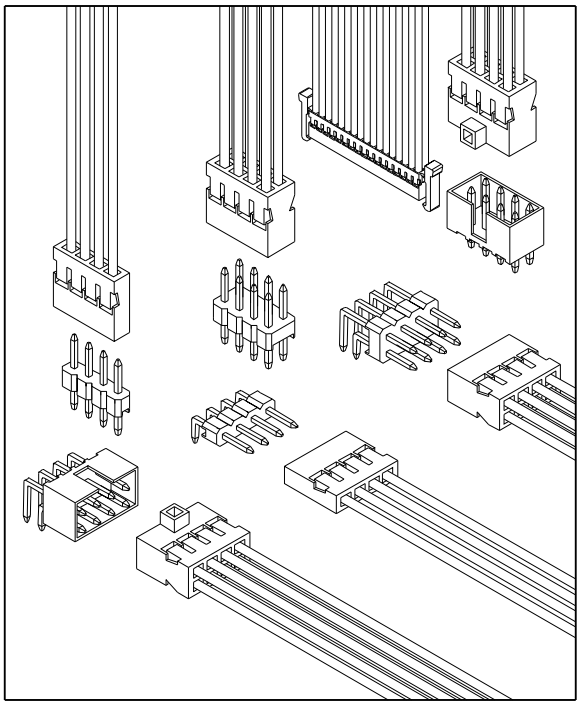


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2002HNO-02	2.00	4.80
3	TU2002HNO-03	4.00	6.80
4	TU2002HNO-04	6.00	8.80
5	TU2002HNO-05	8.00	10.80
6	TU2002HNO-06	10.00	12.80
7	TU2002HNO-07	12.00	14.80
8	TU2002HNO-08	14.00	16.80
9	TU2002HNO-09	16.00	18.80
10	TU2002HNO-10	18.00	20.80
11	TU2002HNO-11	20.00	22.80
12	TU2002HNO-12	22.00	24.80
13	TU2002HNO-13	24.00	26.80
14	TU2002HNO-14	26.00	28.80
15	TU2002HNO-15	28.00	30.80

TU2003 SERIES

2.00mm Pitch Wire To Board Connector



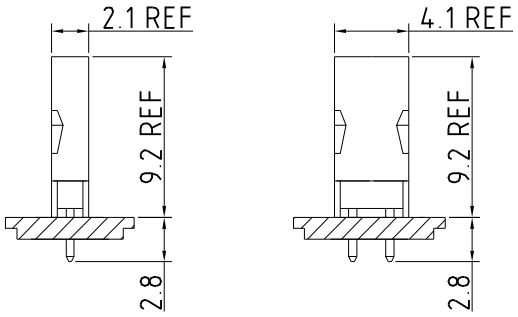
Specification

Circuits	1x02-1x40 , 2x02-2x50
Pitch	2.00mm
Current Rating	3.0A AC/DC (AWG#24 2X04)
	2.5A AC/DC (AWG#26)
	2.0A AC/DC (AWG#28)
	1.5A AC/DC (AWG#30)
Voltage Rating	100V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	800V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #24 - #30
Applicable P.C.B Thickness	0.8mm - 1.6mm
Applicable P.C.B Hole Dia.	Ø0.8mm ± 0.05

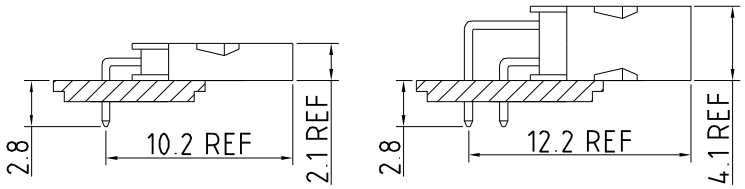
TU2003

Assembly Layout

Vertical Type



Right Angle



TU2003 * - * x NP * - *
① ② ③ ④ ⑤

① Part No. TU2003	④ Mount Type A: A Type Wafer R: R Type Wafer K: Lock Type RC: DIP RC Type Wafer SRC: SMT RC Type Wafer SF: SMT Type Wafer With Post SCF: SMT C Type Wafer With Post	⑤ Contact Plating Code Blank : As Specified
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer		
③ Number of Contacts: 1xNP : Single row 2xNP : Dual row		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU2003 SERIES

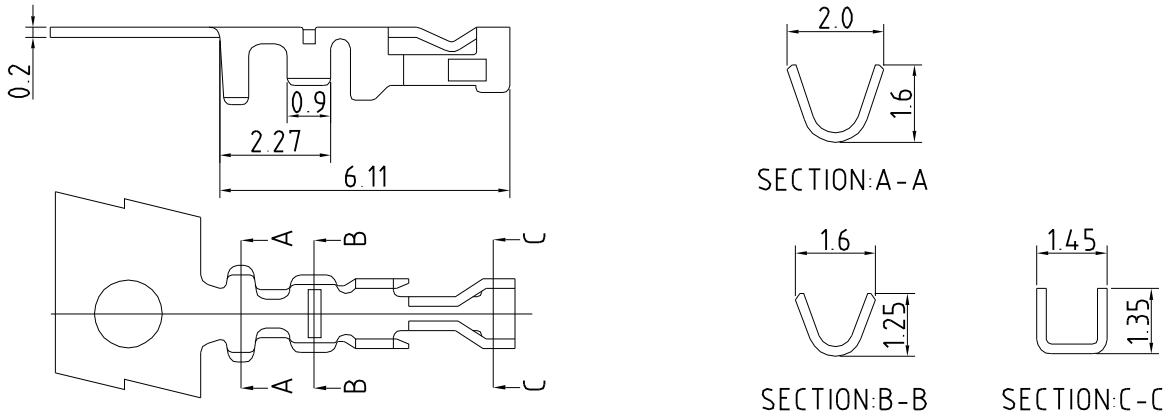
2.00mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU2003TPO-2*D For TU2003 Series Houing less than 16PIN.
TU2003TPO-2*DL For TU2003 Series Houing above (inclusive) 16PIN.



CONTACT INFORMATION

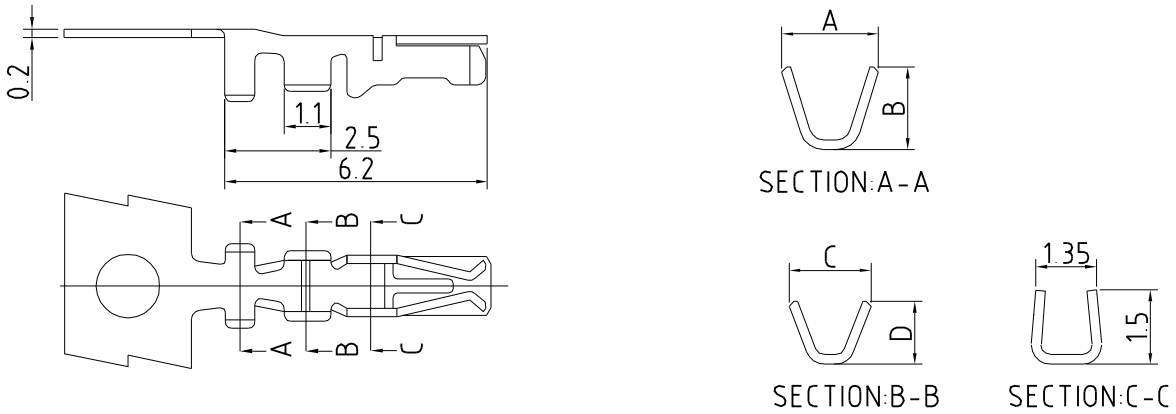
Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel	Note
TU2003TPO-2*DL	AWG #26-#30	1.40mm(MAX.)	Phosphor bronze	See note	15,000 pcs	L : LOOSE TERMINAL
TU2003TPO-2*D						

Note:
For this product in a different specification please contact TYU for more information

Terminal

Features

Use with: TU2003 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TU2003TPH-*M	AWG #24	1.40mm(MAX.)	2.3	2.1	1.9	1.5	Phosphor bronze	See note	10,000pcs
TU2003TPO-*M	AWG #26-#30	1.40mm(MAX.)	2.0	1.7	1.7	1.3			

Note:
For this product in a different specification please contact TYU for more information

TU2003 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

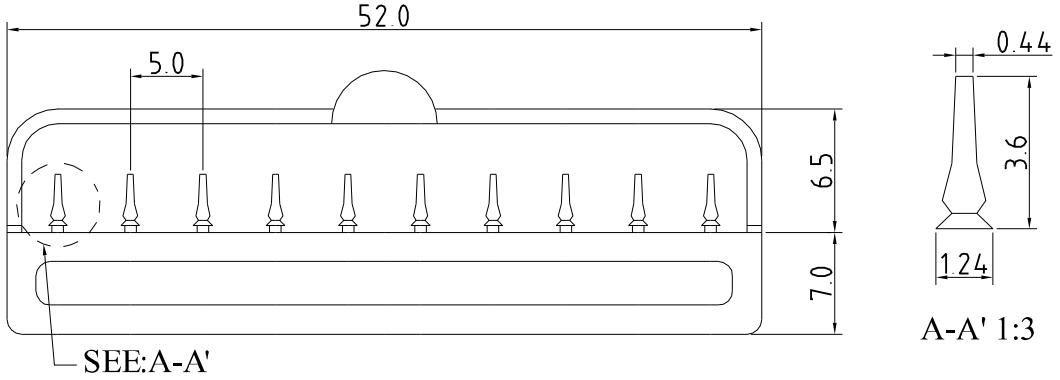
Polarizing Key

Features

Material: Regular Thermoplastic 94V-0

Use with: TU2003 Series Housing

Part No.	Color	Q'ty/Bag
TU2003KBO-B	Black	1,000 pcs
TU2003KBO-W	White	1,000 pcs



Housing

Single Row

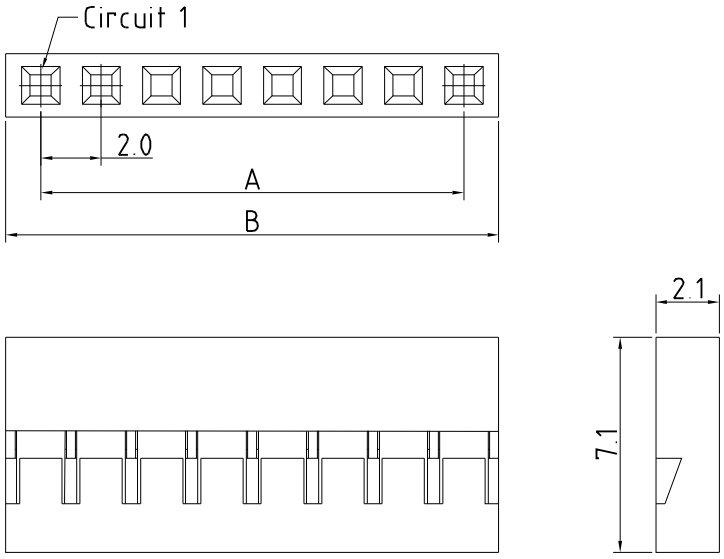
Features

Available Number of Circuits: 1x02 - 1x40

Material: Regular Thermoplastic 94V-0

Use with: TU2003TPO-2*D* Crimp Terminal

Mates with : TU2003 Series Single Row Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm) A	DIM.(mm) B
2	TU2003HNO-1x02	2.00	4.40
3	TU2003HNO-1x03	4.00	6.40
4	TU2003HNO-1x04	6.00	8.40
5	TU2003HNO-1x05	8.00	10.40
6	TU2003HNO-1x06	10.00	12.40
7	TU2003HNO-1x07	12.00	14.40
8	TU2003HNO-1x08	14.00	16.40
9	TU2003HNO-1x09	16.00	18.40
10	TU2003HNO-1x10	18.00	20.40
11	TU2003HNO-1x11	20.00	22.40
12	TU2003HNO-1x12	22.00	24.40
13	TU2003HNO-1x13	24.00	26.40
14	TU2003HNO-1x14	26.00	28.40
15	TU2003HNO-1x15	28.00	30.40
16	TU2003HNO-1x16	30.00	32.40
17	TU2003HNO-1x17	32.00	34.40
18 ~ 39	TU2003HNO-1x18 ~ TU2003HNO-1x39	34.00 ~ 76.00	36.40 ~ 78.40
40	TU2003HNO-1x40	78.00	80.40

TU2003 SERIES

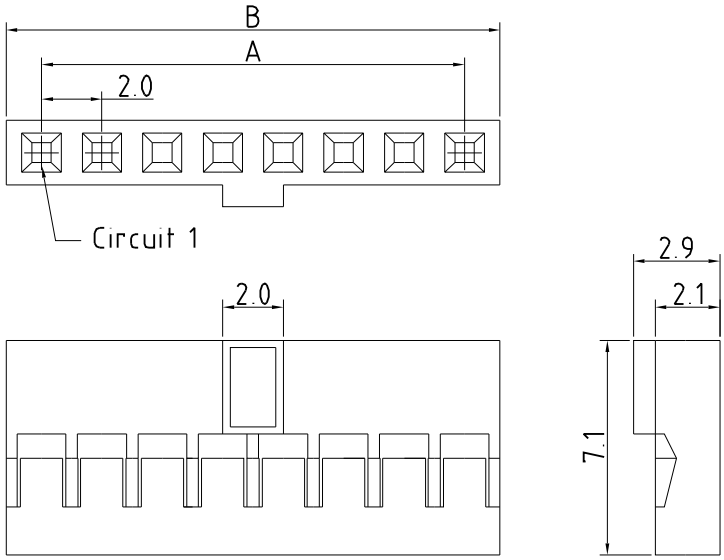
2.00mm Pitch Wire To Board Connector

Unit : mm

Housing

Single Row R-TYPE

Available Number of Circuits: 1x03 - 1x17
Material: Regular Thermoplastic 94V-0
Use with: TU2003TPO-2*D* Crimp Terminal
Mates with : TU2003 Series Wafer



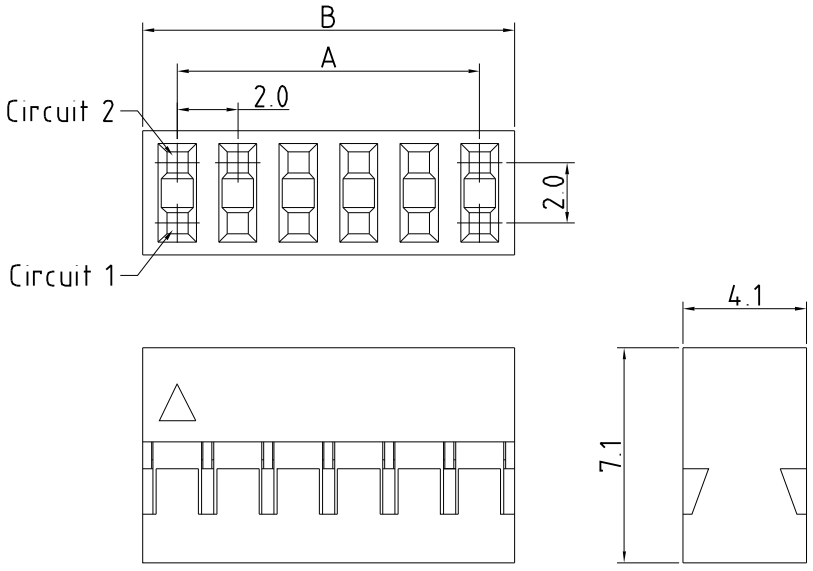
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
3	TU2003HNO-1x03R	4.00	6.30
4	TU2003HNO-1x04R	6.00	8.30
5	TU2003HNO-1x05R	8.00	10.30
6	TU2003HNO-1x06R	10.00	12.30
7	TU2003HNO-1x07R	12.00	14.30
8	TU2003HNO-1x08R	14.00	16.30
9	TU2003HNO-1x09R	16.00	18.30
10	TU2003HNO-1x10R	18.00	20.30
11	TU2003HNO-1x11R	20.00	22.30
12	TU2003HNO-1x12R	22.00	24.30
13	TU2003HNO-1x13R	24.00	26.30
14	TU2003HNO-1x14R	26.00	28.30
15	TU2003HNO-1x15R	28.00	30.30
16	TU2003HNO-1x16R	30.00	32.30
17	TU2003HNO-1x17R	32.00	34.30

Housing

Dual Row

Features
Available Number of Circuits: 2x02 - 2x40
Material: Regular Thermoplastic 94V-0
Use with: TU2003TPO-2*D* Crimp Terminal
Mates with : TU2003 Series Dual Row Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2003HNO-2x02	2.00	4.30
6	TU2003HNO-2x03	4.00	6.30
8	TU2003HNO-2x04	6.00	8.30
10	TU2003HNO-2x05	8.00	10.30
12	TU2003HNO-2x06	10.00	12.30
14	TU2003HNO-2x07	12.00	14.30
16	TU2003HNO-2x08	14.00	16.30
18	TU2003HNO-2x09	16.00	18.30
20	TU2003HNO-2x10	18.00	20.30
22	TU2003HNO-2x11	20.00	22.30
24	TU2003HNO-2x12	22.00	24.30
26	TU2003HNO-2x13	24.00	26.30
28	TU2003HNO-2x14	26.00	28.30
30	TU2003HNO-2x15	28.00	30.30
32	TU2003HNO-2x16	30.00	32.30
34	TU2003HNO-2x17	32.00	34.30
36 ~ 78	TU2003HNO-2x18 ~ TU2003HNO-2x39	34.00 ~ 76.00	36.30 ~ 78.30
80	TU2003HNO-2x40	78.00	80.30

TU2003 SERIES

2.00mm Pitch Wire To Board Connector

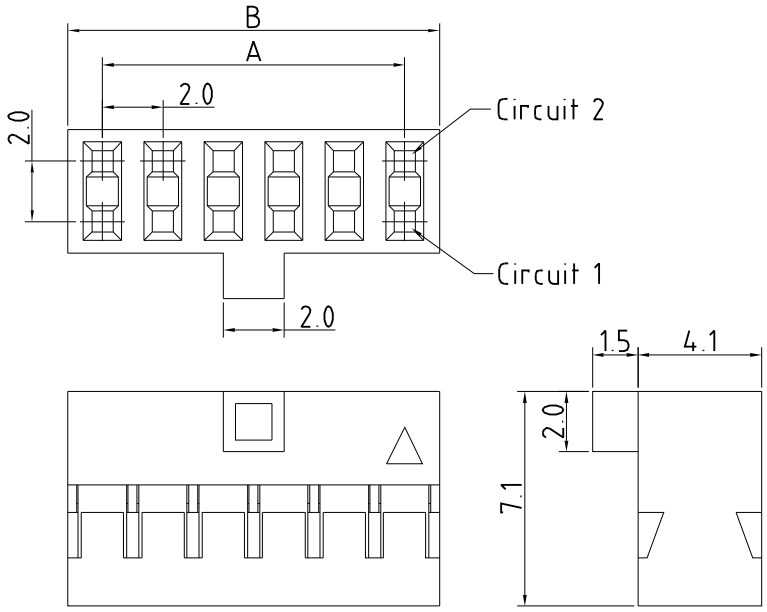
Unit : mm

Housing

Dual Row R-TYPE

Features

Available Number of Circuits: 2x02 - 2x40
Material: Regular Thermoplastic 94V-0
Use with: TU2003TPO-2*D* Crimp Terminal
Mates with : TU2003 Series Box Header



Dimension and Order Information

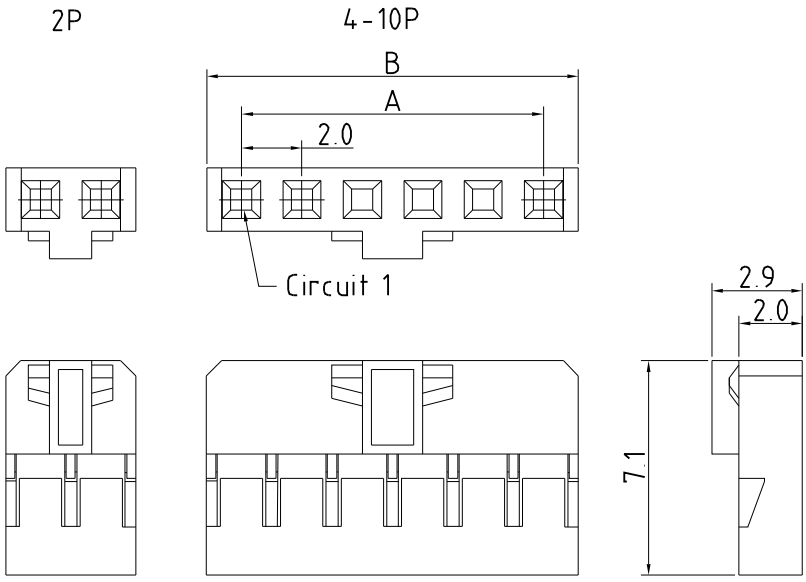
Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2003HNO-2x02R	2.00	4.30
6	TU2003HNO-2x03R	4.00	6.30
8	TU2003HNO-2x04R	6.00	8.30
10	TU2003HNO-2x05R	8.00	10.30
12	TU2003HNO-2x06R	10.00	12.30
14	TU2003HNO-2x07R	12.00	14.30
16	TU2003HNO-2x08R	14.00	16.30
18	TU2003HNO-2x09R	16.00	18.30
20	TU2003HNO-2x10R	18.00	20.30
22	TU2003HNO-2x11R	20.00	22.30
24	TU2003HNO-2x12R	22.00	24.30
26	TU2003HNO-2x13R	24.00	26.30
28	TU2003HNO-2x14R	26.00	28.30
30	TU2003HNO-2x15R	28.00	30.30
32	TU2003HNO-2x16R	30.00	32.30
34	TU2003HNO-2x17R	32.00	34.30
36	TU2003HNO-2x18R	34.00	36.30
~	~	~	~
78	TU2003HNO-2x39R	76.00	78.30
80	TU2003HNO-2x40R	78.00	80.30

Housing

Sing Row R-TYPE

Features

Available Number of Circuits: 1x02 - 1x10
Material: Regular Thermoplastic 94V-0
Use with: TU2003TPO-*M Crimp Terminal
Mates with : TU2003 Series B2-Type Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2003HNO-1x02R-B2	2.00	4.40
3	TU2003HNO-1x03R-B2	4.00	6.40
4	TU2003HNO-1x04R-B2	6.00	8.40
5	TU2003HNO-1x05R-B2	8.00	10.40
6	TU2003HNO-1x06R-B2	10.00	12.40
7	TU2003HNO-1x07R-B2	12.00	14.40
8	TU2003HNO-1x08R-B2	14.00	16.40
9	TU2003HNO-1x09R-B2	16.00	18.40
10	TU2003HNO-1x10R-B2	18.00	20.40

TU2003 SERIES

2.00mm Pitch Wire To Board Connector

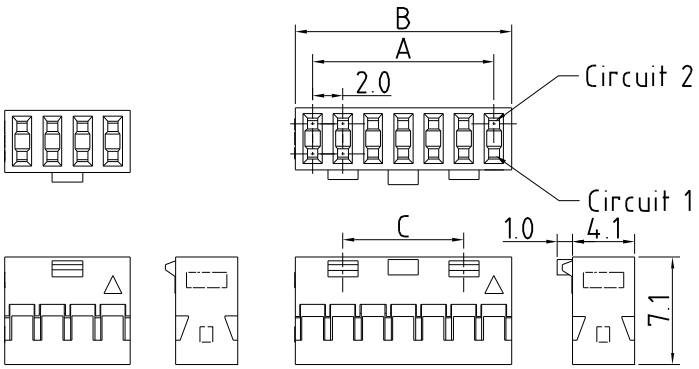
Unit : mm

Housing Dual Row

Features

Available Number of Circuits: 2x02 - 2x22
Material: Regular Thermoplastic 94V-0
Use with: TU2003TPO-*M Crimp Terminal
Mates with : TU2003 Series B3-Type Wafer

2x02~2x06P 2x07~2x22P



Dimension and Order Information

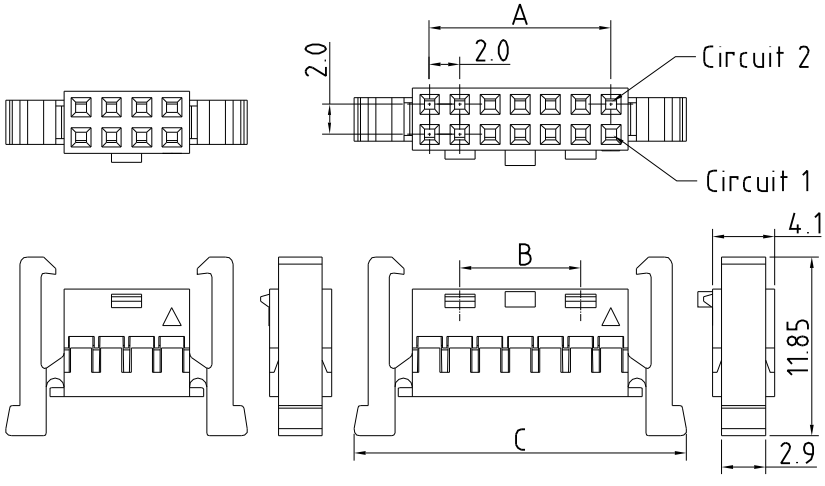
Circuits	Part No.	DIM.(mm)		
		A	B	C
4	TU2003HNO-2x02-B3	2.00	4.30	--
6	TU2003HNO-2x03-B3	4.00	6.30	--
8	TU2003HNO-2x04-B3	6.00	8.30	--
10	TU2003HNO-2x05-B3	8.00	10.30	--
12	TU2003HNO-2x06-B3	10.00	12.30	--
14	TU2003HNO-2x07-B3	12.00	14.30	8.00
16	TU2003HNO-2x08-B3	14.00	16.30	10.00
18	TU2003HNO-2x09-B3	16.00	18.30	12.00
20	TU2003HNO-2x10-B3	18.00	20.30	14.00
22	TU2003HNO-2x11-B3	20.00	22.30	16.00
24	TU2003HNO-2x12-B3	22.00	24.30	18.00
26	TU2003HNO-2x13-B3	24.00	26.30	20.00
28	TU2003HNO-2x14-B3	26.00	28.30	22.00
30	TU2003HNO-2x15-B3	28.00	30.30	24.00
32	TU2003HNO-2x16-B3	30.00	32.30	26.00
34	TU2003HNO-2x17-B3	32.00	34.30	28.00
36	TU2003HNO-2x18-B3	34.00	36.30	30.00
38	TU2003HNO-2x19-B3	36.00	38.30	32.00
40	TU2003HNO-2x20-B3	38.00	40.30	34.00
42	TU2003HNO-2x21-B3	40.00	42.30	36.00
44	TU2003HNO-2x22-B3	42.00	44.30	38.00

Housing Dual Row

Features

Available Number of Circuits: 2x02 - 2x20
Material: Regular Thermoplastic 94V-0
Use with: TU2003TPO-*M Crimp Terminal
Mates with : TU2003 Series Dual Row B3-Type Wafer

2x02~2x06P 2x07~2x20P



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
4	TU2003HNO-2x02K-B3	2.00	--	12.00
6	TU2003HNO-2x03K-B3	4.00	--	14.00
8	TU2003HNO-2x04K-B3	6.00	--	16.00
10	TU2003HNO-2x05K-B3	8.00	--	18.00
12	TU2003HNO-2x06K-B3	10.00	--	20.00
14	TU2003HNO-2x07K-B3	12.00	8.00	22.00
16	TU2003HNO-2x08K-B3	14.00	10.00	24.00
18	TU2003HNO-2x09K-B3	16.00	12.00	26.00
20	TU2003HNO-2x10K-B3	18.00	14.00	28.00
22	TU2003HNO-2x11K-B3	20.00	16.00	30.00
24	TU2003HNO-2x12K-B3	22.00	18.00	32.00
26	TU2003HNO-2x13K-B3	24.00	20.00	34.00
28	TU2003HNO-2x14K-B3	26.00	22.00	36.00
30	TU2003HNO-2x15K-B3	28.00	24.00	38.00
32	TU2003HNO-2x16K-B3	30.00	26.00	40.00
34	TU2003HNO-2x17K-B3	32.00	28.00	42.00
36	TU2003HNO-2x18K-B3	34.00	30.00	44.00
38	TU2003HNO-2x19K-B3	36.00	32.00	46.00
40	TU2003HNO-2x20K-B3	38.00	34.00	48.00

TU2003 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

HOUSING

Dual Row

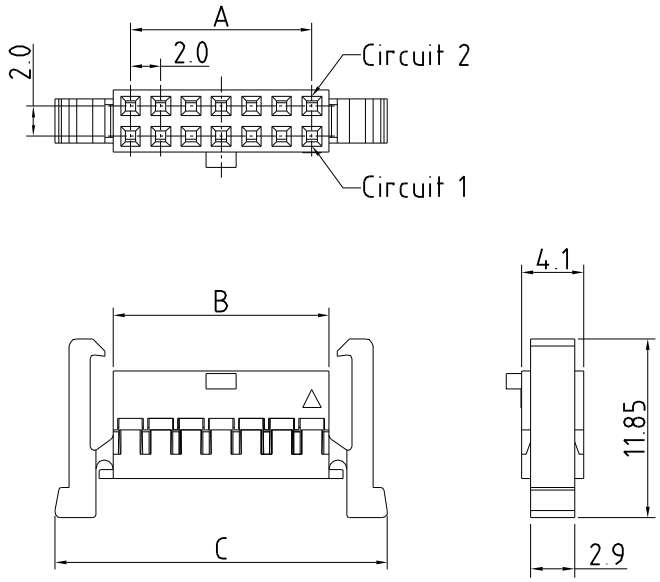
Features

Available Number of Circuits: 1x02 - 1x22

Material: Regular Thermoplastic 94V-0

Use with: TU2003TPO-*M Crimp Terminal

Mates with : TU2003 Series Dual Row Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
4	TU2003HNO-2x02K	2.00	4.30	12.00
6	TU2003HNO-2x03K	4.00	6.30	14.00
8	TU2003HNO-2x04K	6.00	8.30	16.00
10	TU2003HNO-2x05K	8.00	10.30	18.00
12	TU2003HNO-2x06K	10.00	12.30	20.00
14	TU2003HNO-2x07K	12.00	14.30	22.00
16	TU2003HNO-2x08K	14.00	16.30	24.00
18	TU2003HNO-2x09K	16.00	18.30	26.00
20	TU2003HNO-2x10K	18.00	20.30	28.00
22	TU2003HNO-2x11K	20.00	22.30	30.00
24	TU2003HNO-2x12K	22.00	24.30	32.00
26	TU2003HNO-2x13K	24.00	26.30	34.00
28	TU2003HNO-2x14K	26.00	28.30	36.00
30	TU2003HNO-2x15K	28.00	30.30	38.00
32	TU2003HNO-2x16K	30.00	32.30	40.00
34	TU2003HNO-2x17K	32.00	34.30	42.00
36	TU2003HNO-2x18K	34.00	36.30	44.00
38	TU2003HNO-2x19K	36.00	38.30	46.00
40	TU2003HNO-2x20K	38.00	40.30	48.00

Wafer

Right Angle

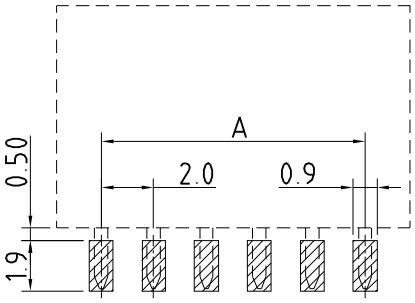
Features

Available Number of Circuits : 1x02 - 1x17

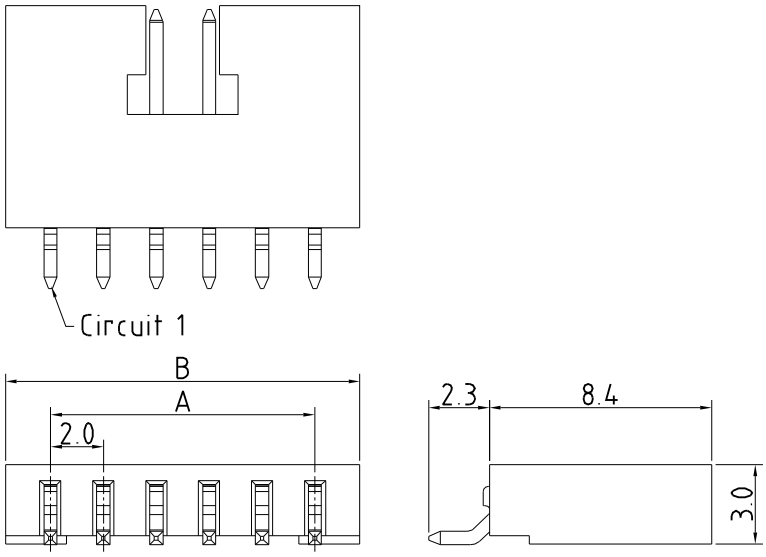
Material : High Temperature Thermoplastic 94V-0

Contact: 0.50mm(.02") Copper Alloy,Gold-flash

Mates with : TU2003 Series B2-Type Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2003WNR-1x02SC-B2-*	2.00	5.40
3	TU2003WNR-1x03SC-B2-*	4.00	7.40
4	TU2003WNR-1x04SC-B2-*	6.00	9.40
5	TU2003WNR-1x05SC-B2-*	8.00	11.40
6	TU2003WNR-1x06SC-B2-*	10.00	13.40
7	TU2003WNR-1x07SC-B2-*	12.00	15.40
8	TU2003WNR-1x08SC-B2-*	14.00	17.40
9	TU2003WNR-1x09SC-B2-*	16.00	19.40
10	TU2003WNR-1x10SC-B2-*	18.00	21.40
11	TU2003WNR-1x11SC-B2-*	20.00	23.40
12	TU2003WNR-1x12SC-B2-*	22.00	25.40
13	TU2003WNR-1x13SC-B2-*	24.00	27.40
14	TU2003WNR-1x14SC-B2-*	26.00	29.40
15	TU2003WNR-1x15SC-B2-*	28.00	31.40
16	TU2003WNR-1x16SC-B2-*	30.00	33.40
17	TU2003WNR-1x17SC-B2-*	32.00	35.40

TU2003 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer

Right Angle

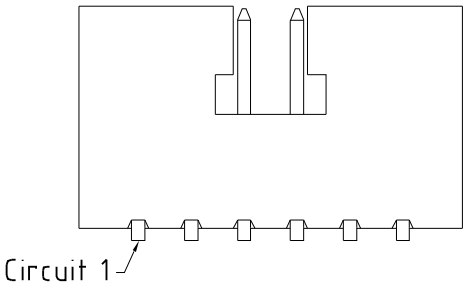
Features

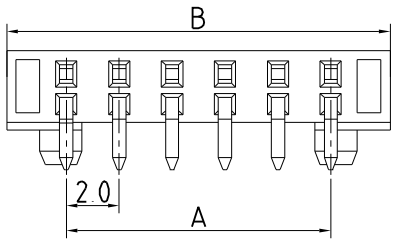
Available Number of Circuits : 1x02 - 1x17

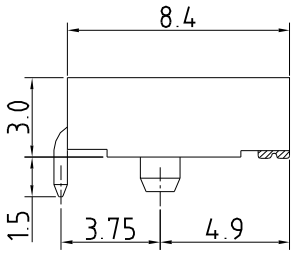
Material : High Temperature Thermoplastic 94V-0

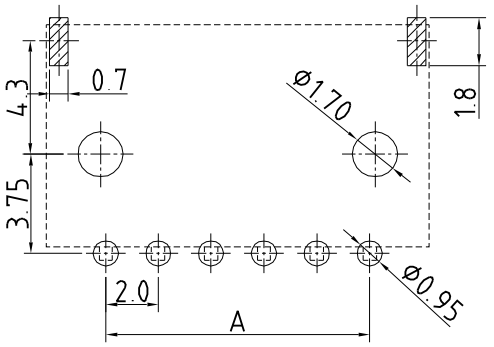
Contact: 0.50mm(.02") Copper Alloy,Gold-flash

Mates with : TU2003 Series B2-Type Housing









P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2003WNR-1x02SF-B2-*	2.00	6.50
3	TU2003WNR-1x03SF-B2-*	4.00	8.50
4	TU2003WNR-1x04SF-B2-*	6.00	10.50
5	TU2003WNR-1x05SF-B2-*	8.00	12.50
6	TU2003WNR-1x06SF-B2-*	10.00	14.50
7	TU2003WNR-1x07SF-B2-*	12.00	16.50
8	TU2003WNR-1x08SF-B2-*	14.00	18.50
9	TU2003WNR-1x09SF-B2-*	16.00	20.50
10	TU2003WNR-1x10SF-B2-*	18.00	22.50
11	TU2003WNR-1x11SF-B2-*	20.00	24.50
12	TU2003WNR-1x12SF-B2-*	22.00	26.50
13	TU2003WNR-1x13SF-B2-*	24.00	28.50
14	TU2003WNR-1x14SF-B2-*	26.00	30.50
15	TU2003WNR-1x15SF-B2-*	28.00	32.50
16	TU2003WNR-1x16SF-B2-*	30.00	34.50
17	TU2003WNR-1x17SF-B2-*	32.00	36.50

Wafer

Right Angle

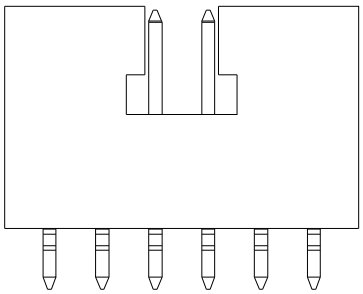
Features

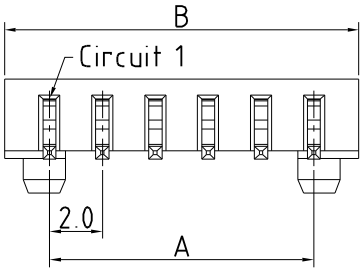
Available Number of Circuits : 1x02 - 1x17

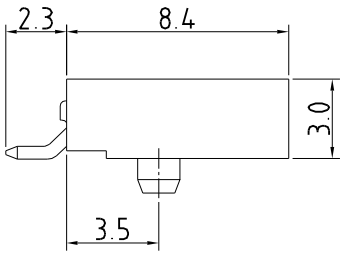
Material : High Temperature Thermoplastic 94V-0

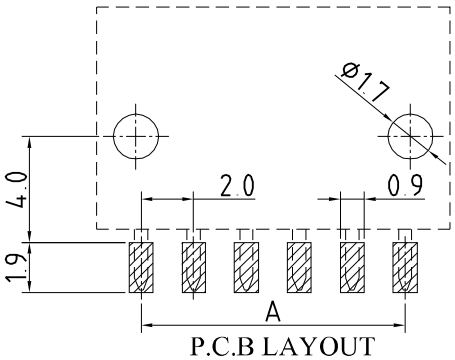
Contact: 0.50mm(.02") Copper Alloy,Gold-flash

Mates with : TU2003 Series B2-Type Housing









P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2003WNR-1x02SCF-B2-*	2.00	5.40
3	TU2003WNR-1x03SCF-B2-*	4.00	7.40
4	TU2003WNR-1x04SCF-B2-*	6.00	9.40
5	TU2003WNR-1x05SCF-B2-*	8.00	11.40
6	TU2003WNR-1x06SCF-B2-*	10.00	13.40
7	TU2003WNR-1x07SCF-B2-*	12.00	15.40
8	TU2003WNR-1x08SCF-B2-*	14.00	17.40
9	TU2003WNR-1x09SCF-B2-*	16.00	19.40
10	TU2003WNR-1x10SCF-B2-*	18.00	21.40
11	TU2003WNR-1x11SCF-B2-*	20.00	23.40
12	TU2003WNR-1x12SCF-B2-*	22.00	25.40
13	TU2003WNR-1x13SCF-B2-*	24.00	27.40
14	TU2003WNR-1x14SCF-B2-*	26.00	29.40
15	TU2003WNR-1x15SCF-B2-*	28.00	31.40
16	TU2003WNR-1x16SCF-B2-*	30.00	33.40
17	TU2003WNR-1x17SCF-B2-*	32.00	35.40

TU2003 SERIES

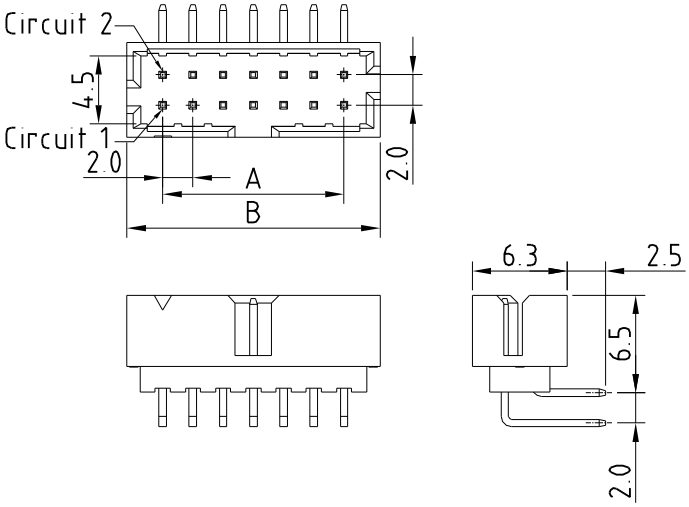
2.00mm Pitch Wire To Board Connector

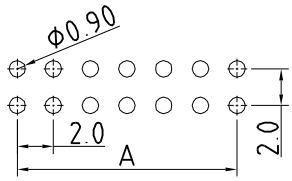
Unit : mm

Wafer Right Angle

Features

Available Number of Circuits : 2x02 - 2x25
Material : High Temperature Thermoplastic 94V-0
Contact : 0.5mm(.020") Copper Alloy, Tin-plated
Mates with : TU2003 Series R Type Housing





P.C.B LAYOUT

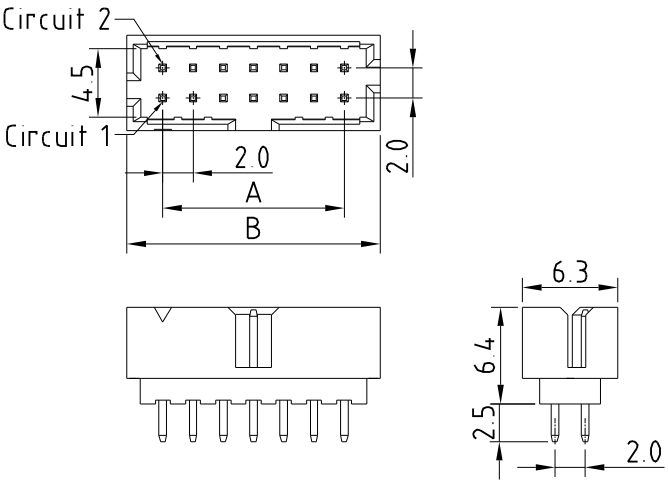
Dimension and Order Information

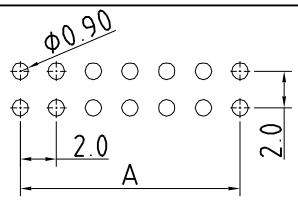
Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2003WNR-2x02R	2.00	6.75
6	TU2003WNR-2x03R	4.00	8.75
8	TU2003WNR-2x04R	6.00	10.75
10	TU2003WNR-2x05R	8.00	12.75
12	TU2003WNR-2x06R	10.00	14.75
14	TU2003WNR-2x07R	12.00	16.75
16	TU2003WNR-2x08R	14.00	18.75
18	TU2003WNR-2x09R	16.00	20.75
20	TU2003WNR-2x10R	18.00	22.75
22	TU2003WNR-2x11R	20.00	24.75
24	TU2003WNR-2x12R	22.00	26.75
26	TU2003WNR-2x13R	24.00	28.75
28	TU2003WNR-2x14R	26.00	30.75
30	TU2003WNR-2x15R	28.00	32.75
32	TU2003WNR-2x16R	30.00	34.75
34	TU2003WNR-2x17R	32.00	36.75
36	TU2003WNR-2x18R	34.00	38.75
38	TU2003WNR-2x19R	36.00	40.75
40	TU2003WNR-2x20R	38.00	42.75
42	TU2003WNR-2x21R	40.00	44.75
44	TU2003WNR-2x22R	42.00	46.75
46	TU2003WNR-2x23R	44.00	48.75
48	TU2003WNR-2x24R	46.00	50.75
50	TU2003WNR-2x25R	48.00	52.75

Wafer Vertical

Features

Available Number of Circuits : 2x02 - 2x25
Material : High Temperature Thermoplastic 94V-0
Contact : 0.5mm(.020") Copper Alloy, Tin-plated
Mates with : TU2003 Series R Type Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2003WNV-2x02R	2.00	6.75
6	TU2003WNV-2x03R	4.00	8.75
8	TU2003WNV-2x04R	6.00	10.75
10	TU2003WNV-2x05R	8.00	12.75
12	TU2003WNV-2x06R	10.00	14.75
14	TU2003WNV-2x07R	12.00	16.75
16	TU2003WNV-2x08R	14.00	18.75
18	TU2003WNV-2x09R	16.00	20.75
20	TU2003WNV-2x10R	18.00	22.75
22	TU2003WNV-2x11R	20.00	24.75
24	TU2003WNV-2x12R	22.00	26.75
26	TU2003WNV-2x13R	24.00	28.75
28	TU2003WNV-2x14R	26.00	30.75
30	TU2003WNV-2x15R	28.00	32.75
32	TU2003WNV-2x16R	30.00	34.75
34	TU2003WNV-2x17R	32.00	36.75
36	TU2003WNV-2x18R	34.00	38.75
38	TU2003WNV-2x19R	36.00	40.75
40	TU2003WNV-2x20R	38.00	42.75
42	TU2003WNV-2x21R	40.00	44.75
44	TU2003WNV-2x22R	42.00	46.75
46	TU2003WNV-2x23R	44.00	48.75
48	TU2003WNV-2x24R	46.00	48.75
50	TU2003WNV-2x25R	48.00	50.75

TU2003 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer Right Angle

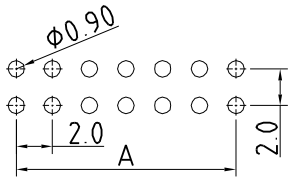
Features

Available Number of Circuits : 2x02 - 2x25

Material : High Temperature Thermoplastic 94V-0

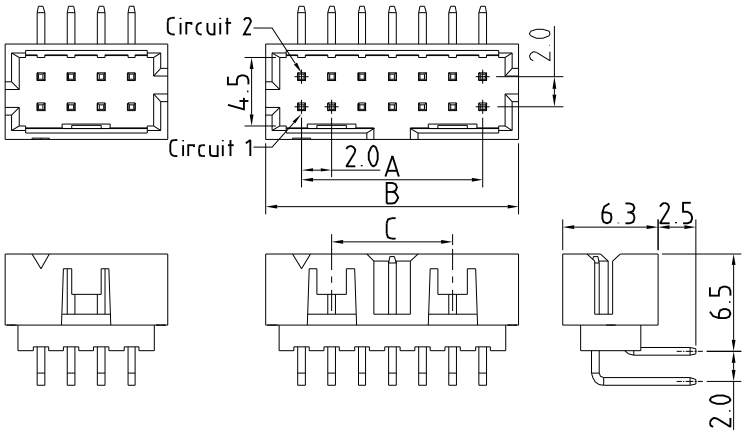
Contact : 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2003 Series B3-Type Housing



P.C.B LAYOUT

2x02~2x06P 2x07~2x22P



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
4	TU2003WNR-2x02-B3	2.00	6.75	--
6	TU2003WNR-2x03-B3	4.00	8.75	--
8	TU2003WNR-2x04-B3	6.00	10.75	--
10	TU2003WNR-2x05-B3	8.00	12.75	--
12	TU2003WNR-2x06-B3	10.00	14.75	--
14	TU2003WNR-2x07-B3	12.00	16.75	8.00
16	TU2003WNR-2x08-B3	14.00	18.75	10.00
18	TU2003WNR-2x09-B3	16.00	20.75	12.00
20	TU2003WNR-2x10-B3	18.00	22.75	14.00
22	TU2003WNR-2x11-B3	20.00	24.75	16.00
24	TU2003WNR-2x12-B3	22.00	26.75	18.00
26	TU2003WNR-2x13-B3	24.00	28.75	20.00
28	TU2003WNR-2x14-B3	26.00	30.75	22.00
30	TU2003WNR-2x15-B3	28.00	32.75	24.00
32	TU2003WNR-2x16-B3	30.00	34.75	26.00
34	TU2003WNR-2x17-B3	32.00	36.75	28.00
36	TU2003WNR-2x18-B3	34.00	38.75	30.00
38	TU2003WNR-2x19-B3	36.00	40.75	32.00
40	TU2003WNR-2x20-B3	38.00	42.75	34.00
42	TU2003WNR-2x21-B3	40.00	44.75	36.00
44	TU2003WNR-2x22-B3	42.00	46.75	38.00
46	TU2003WNR-2x23-B3	44.00	48.75	40.00
48	TU2003WNR-2x24-B3	46.00	50.75	42.00
50	TU2003WNR-2x25-B3	48.00	52.75	44.00

Wafer Vertical

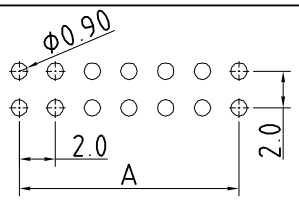
Features

Available Number of Circuits : 2x02 - 2x25

Material : High Temperature Thermoplastic 94V-0

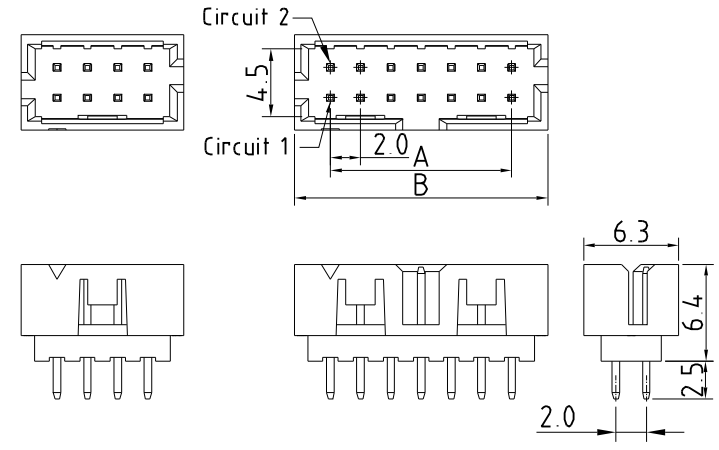
Contact : 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2003 Series B3-Type Housing



P.C.B LAYOUT

2x02~2x06P 2x07~2x22P



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
4	TU2003WNV-2x02-B3	2.00	6.75	--
6	TU2003WNV-2x03-B3	4.00	8.75	--
8	TU2003WNV-2x04-B3	6.00	10.75	--
10	TU2003WNV-2x05-B3	8.00	12.75	--
12	TU2003WNV-2x06-B3	10.00	14.75	--
14	TU2003WNV-2x07-B3	12.00	16.75	8.00
16	TU2003WNV-2x08-B3	14.00	18.75	10.00
18	TU2003WNV-2x09-B3	16.00	20.75	12.00
20	TU2003WNV-2x10-B3	18.00	22.75	14.00
22	TU2003WNV-2x11-B3	20.00	24.75	16.00
24	TU2003WNV-2x12-B3	22.00	26.75	18.00
26	TU2003WNV-2x13-B3	24.00	28.75	20.00
28	TU2003WNV-2x14-B3	26.00	30.75	22.00
30	TU2003WNV-2x15-B3	28.00	32.75	24.00
32	TU2003WNV-2x16-B3	30.00	34.75	26.00
34	TU2003WNV-2x17-B3	32.00	36.75	28.00
36	TU2003WNV-2x18-B3	34.00	38.75	30.00
38	TU2003WNV-2x19-B3	36.00	40.75	32.00
40	TU2003WNV-2x20-B3	38.00	42.75	34.00
42	TU2003WNV-2x21-B3	40.00	44.75	36.00
44	TU2003WNV-2x22-B3	42.00	46.75	38.00
46	TU2003WNV-2x23-B3	44.00	48.75	40.00
48	TU2003WNV-2x24-B3	46.00	48.75	42.00
50	TU2003WNV-2x25-B3	48.00	50.75	44.00

TU2003 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer

Vertical SMT Type

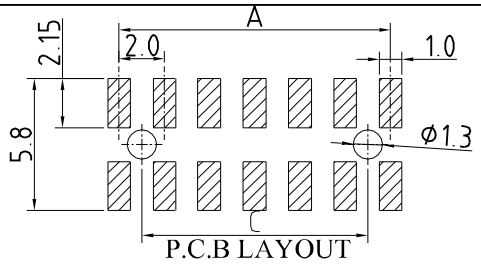
Features

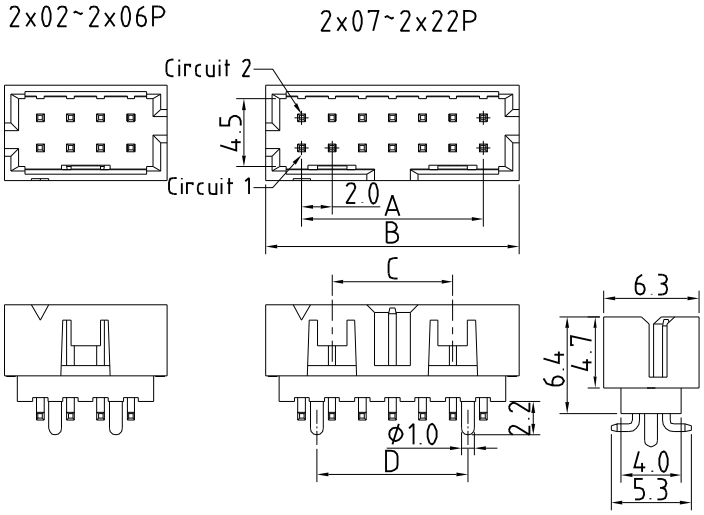
Available Number of Circuits : 2x02 - 2x25

Material : High Temperature Thermoplastic 94V-0

Contact : 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2003 Series B3-Type Housing





Dimension and Order Information

Circuits	Part No.	DIM.(mm)			
		A	B	C	B
4	TU2003WNV-2x02SF-B3	2.00	6.75	--	--
6	TU2003WNV-2x03SF-B3	4.00	8.75	--	--
8	TU2003WNV-2x04SF-B3	6.00	10.78	--	4.00
10	TU2003WNV-2x05SF-B3	8.00	12.75	--	6.00
12	TU2003WNV-2x06SF-B3	10.00	14.75	--	8.00
14	TU2003WNV-2x07SF-B3	12.00	16.75	8.00	10.00
16	TU2003WNV-2x08SF-B3	14.00	18.75	10.00	12.00
18	TU2003WNV-2x09SF-B3	16.00	20.75	12.00	14.00
20	TU2003WNV-2x10SF-B3	18.00	22.75	14.00	16.00
22	TU2003WNV-2x11SF-B3	20.00	24.75	16.00	18.00
24	TU2003WNV-2x12SF-B3	22.00	26.75	18.00	20.00
26	TU2003WNV-2x13SF-B3	24.00	28.75	20.00	22.00
28	TU2003WNV-2x14SF-B3	26.00	30.75	22.00	24.00
30	TU2003WNV-2x15SF-B3	28.00	32.75	24.00	26.00
32	TU2003WNV-2x16SF-B3	30.00	34.75	26.00	28.00
34	TU2003WNV-2x17SF-B3	32.00	36.75	28.00	30.00
36	TU2003WNV-2x18SF-B3	34.00	38.75	30.00	32.00
38	TU2003WNV-2x19SF-B3	36.00	40.75	32.00	34.00
40	TU2003WNV-2x20SF-B3	38.00	42.75	34.00	36.00
42	TU2003WNV-2x21SF-B3	40.00	44.75	36.00	38.00
44	TU2003WNV-2x22SF-B3	42.00	46.75	38.00	40.00
46	TU2003WNV-2x23SF-B3	44.00	48.75	40.00	42.00
48	TU2003WNV-2x24SF-B3	46.00	50.75	42.00	44.00
50	TU2003WNV-2x25SF-B3	48.00	52.75	44.00	46.00

Wafer

Vertical SMT Type

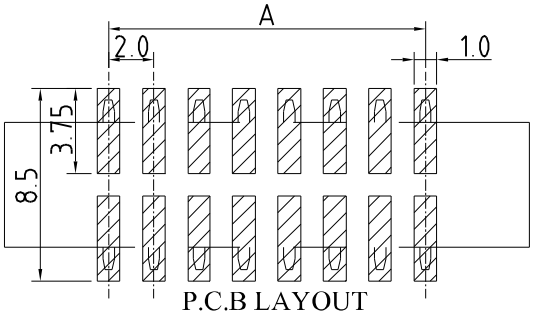
Features

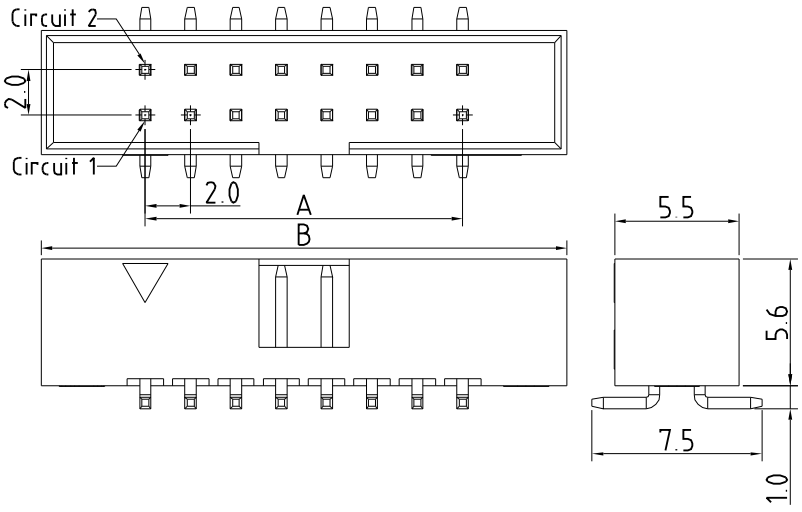
Available Number of Circuits : 2x02 - 2x25

Material : High Temperature Thermoplastic 94V-0

Contact : 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2003 Series Housing





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2003WNV-2x02SRC	2.00	11.20
6	TU2003WNV-2x03SRC	4.00	13.20
8	TU2003WNV-2x04SRC	6.00	15.20
10	TU2003WNV-2x05SRC	8.00	17.20
12	TU2003WNV-2x06SRC	10.00	19.20
14	TU2003WNV-2x07SRC	12.00	21.20
16	TU2003WNV-2x08SRC	14.00	23.20
20	TU2003WNV-2x10SRC	18.00	27.20
22	TU2003WNV-2x11SRC	20.00	29.20
24	TU2003WNV-2x12SRC	22.00	31.20
26	TU2003WNV-2x13SRC	24.00	33.20
28	TU2003WNV-2x14SRC	26.00	35.20
30	TU2003WNV-2x15SRC	28.00	37.20
32	TU2003WNV-2x16SRC	30.00	39.20
34	TU2003WNV-2x17SRC	32.00	41.20
36	TU2003WNV-2x18SRC	34.00	43.20
40	TU2003WNV-2x20SRC	38.00	27.20
44	TU2003WNV-2x22SRC	42.00	51.20
50	TU2003WNV-2x25SRC	48.00	57.20

TU2003 SERIES

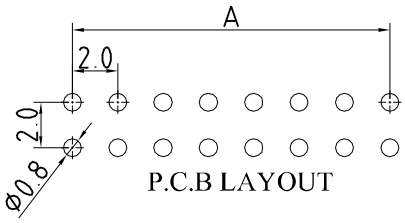
2.00mm Pitch Wire To Board Connector

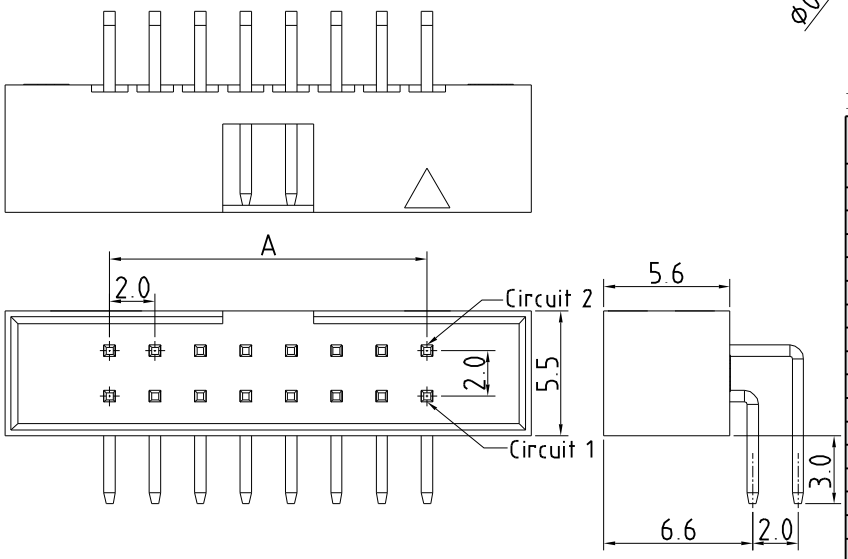
Unit : mm

Wafer — Right Angle

Features

Available Number of Circuits : 2x02 - 2x25
Material : High Temperature Thermoplastic 94V-0
Contact : 0.5mm(.020") Copper Alloy, Tin-plated
Mates with : TU2003 Series Housing





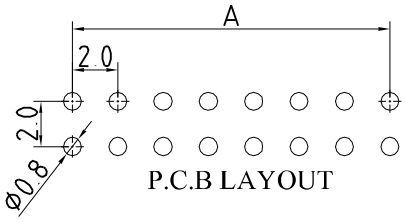
Dimension and Order Information

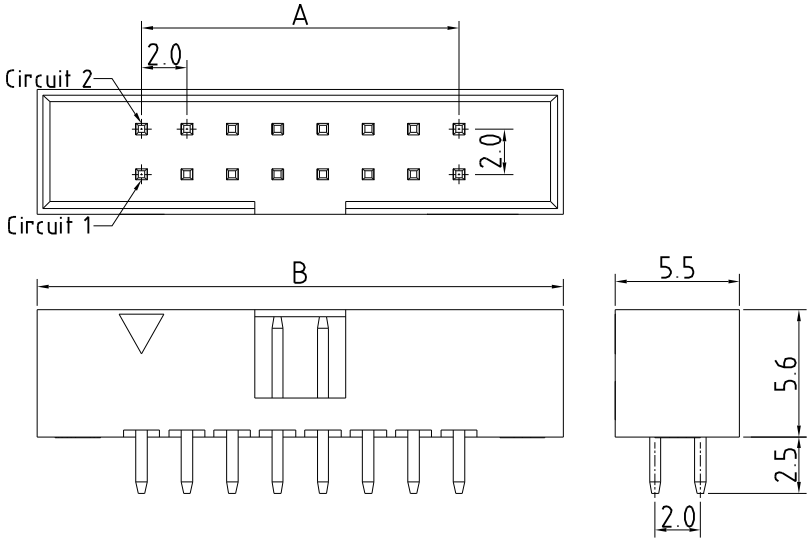
Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2003WNR-2x02RC	2.00	11.20
6	TU2003WNR-2x03RC	4.00	13.20
8	TU2003WNR-2x04RC	6.00	15.20
10	TU2003WNR-2x05RC	8.00	17.20
12	TU2003WNR-2x06RC	10.00	19.20
14	TU2003WNR-2x07RC	12.00	21.20
16	TU2003WNR-2x08RC	14.00	23.20
20	TU2003WNR-2x10RC	18.00	27.20
22	TU2003WNR-2x11RC	20.00	29.20
24	TU2003WNR-2x12RC	22.00	32.20
26	TU2003WNR-2x13RC	24.00	33.20
28	TU2003WNR-2x14RC	26.00	35.20
30	TU2003WNR-2x15RC	28.00	37.20
32	TU2003WNR-2x16RC	30.00	39.20
34	TU2003WNR-2x17RC	32.00	41.20
36	TU2003WNR-2x18RC	34.00	43.20
40	TU2003WNR-2x20RC	38.00	47.20
44	TU2003WNR-2x22RC	42.00	51.20
50	TU2003WNR-2x25RC	48.00	57.20

Wafer — Vertical

Features

Available Number of Circuits : 2x02 - 2x25
Material : High Temperature Thermoplastic 94V-0
Contact : 0.5mm(.020") Copper Alloy, Tin-plated
Mates with : TU2003 Series Housing





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2003WNV-2x02RC	2.00	11.20
6	TU2003WNV-2x03RC	4.00	13.20
8	TU2003WNV-2x04RC	6.00	15.20
10	TU2003WNV-2x05RC	8.00	17.20
12	TU2003WNV-2x06RC	10.00	19.20
14	TU2003WNV-2x07RC	12.00	21.20
16	TU2003WNV-2x08RC	14.00	23.20
20	TU2003WNV-2x10RC	18.00	27.20
22	TU2003WNV-2x11RC	20.00	29.20
24	TU2003WNV-2x12RC	22.00	32.20
26	TU2003WNV-2x13RC	24.00	33.20
28	TU2003WNV-2x14RC	26.00	35.20
30	TU2003WNV-2x15RC	28.00	37.20
32	TU2003WNV-2x16RC	30.00	39.20
34	TU2003WNV-2x17RC	32.00	41.20
36	TU2003WNV-2x18RC	34.00	43.20
40	TU2003WNV-2x20RC	38.00	47.20
44	TU2003WNV-2x22RC	42.00	51.20
50	TU2003WNV-2x25RC	48.00	57.20

TU2003 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer Single Row A-TYPE

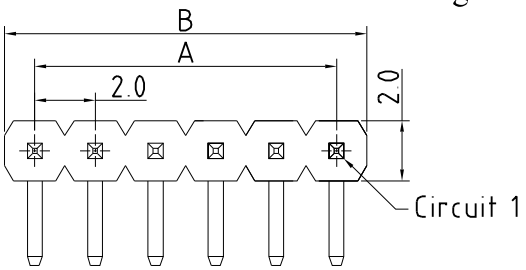
Features

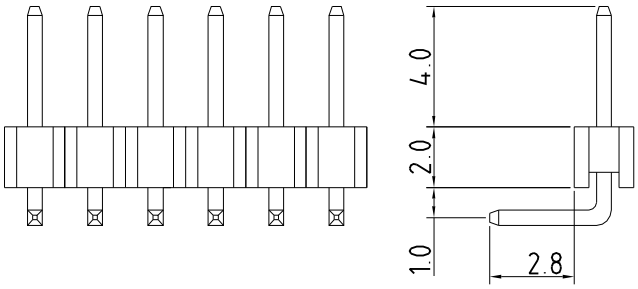
Available Number of Circuits : 1x02 - 1x40

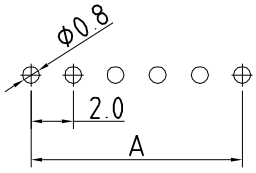
Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.5mm(.020") Copper Alloy, Gold-flash

Mates with : TU2003 Series Single Row Housing







P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2003WNR-1x02A-*-*	2.00	3.75
3	TU2003WNR-1x03A-*-*	4.00	5.75
4	TU2003WNR-1x04A-*-*	6.00	7.75
5	TU2003WNR-1x05A-*-*	8.00	9.75
6	TU2003WNR-1x06A-*-*	10.00	11.75
7	TU2003WNR-1x07A-*-*	12.00	13.75
8	TU2003WNR-1x08A-*-*	14.00	15.75
9	TU2003WNR-1x09A-*-*	16.00	17.75
10	TU2003WNR-1x10A-*-*	18.00	19.75
11	TU2003WNR-1x11A-*-*	20.00	21.75
12	TU2003WNR-1x12A-*-*	22.00	23.75
13	TU2003WNR-1x13A-*-*	24.00	25.75
14	TU2003WNR-1x14A-*-*	26.00	27.75
15	TU2003WNR-1x15A-*-*	28.00	29.75
16	TU2003WNR-1x16A-*-*	30.00	31.75
17	TU2003WNR-1x17A-*-*	32.00	33.75
18	TU2003WNR-1x18A-*-*	34.00	35.75
≀			
39	TU2003WNR-1x39A-*-*	76.00	77.75
40	TU2003WNR-1x40A-*-*	78.00	79.75

Wafer Dual Row B-TYPE

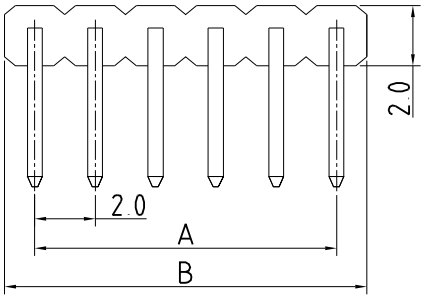
Features

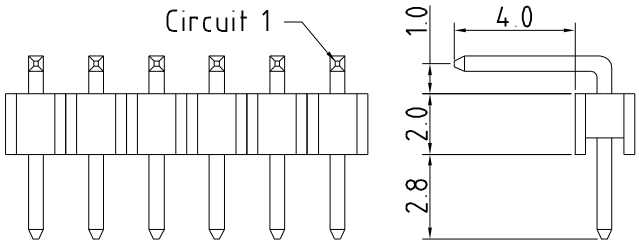
Available Number of Circuits : 1x02 - 1x40

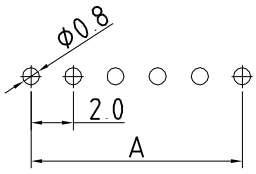
Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.5mm(.020") Copper Alloy, Gold-flash

Mates with : TU2003 Series Single Row Housing







P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2003WNR-1x02B-*-*	2.00	3.75
3	TU2003WNR-1x03B-*-*	4.00	5.75
4	TU2003WNR-1x04B-*-*	6.00	7.75
5	TU2003WNR-1x05B-*-*	8.00	9.75
6	TU2003WNR-1x06B-*-*	10.00	11.75
7	TU2003WNR-1x07B-*-*	12.00	13.75
8	TU2003WNR-1x08B-*-*	14.00	15.75
9	TU2003WNR-1x09B-*-*	16.00	17.75
10	TU2003WNR-1x10B-*-*	18.00	19.75
11	TU2003WNR-1x11B-*-*	20.00	21.75
12	TU2003WNR-1x12B-*-*	22.00	23.75
13	TU2003WNR-1x13B-*-*	24.00	25.75
14	TU2003WNR-1x14B-*-*	26.00	27.75
15	TU2003WNR-1x15B-*-*	28.00	29.75
16	TU2003WNR-1x16B-*-*	30.00	31.75
17	TU2003WNR-1x17B-*-*	32.00	33.75
18	TU2003WNR-1x18B-*-*	34.00	35.75
≀			
39	TU2003WNR-1x39B-*-*	76.00	77.75
40	TU2003WNR-1x40B-*-*	78.00	79.75

TU2003 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer Single Row Vertical

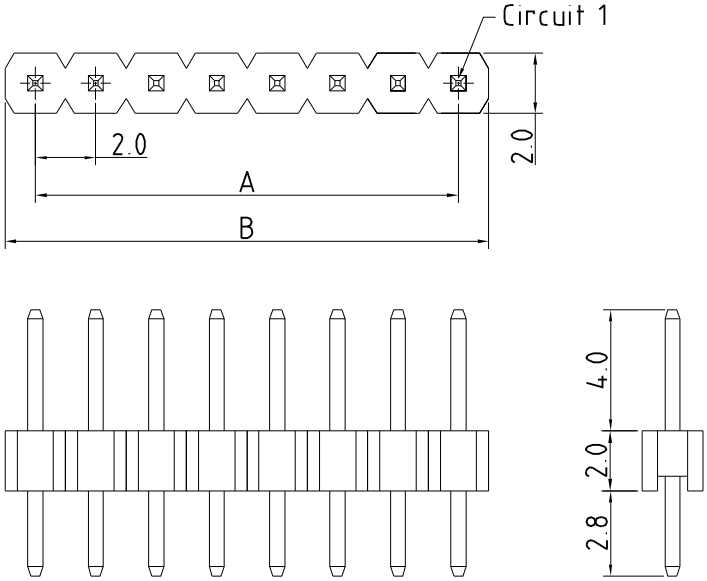
Features

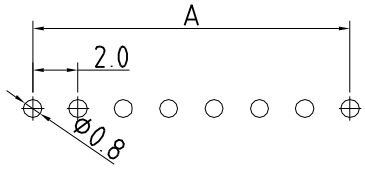
Available Number of Circuits : 02 - 40

Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.5mm(.020") Copper Alloy, Gold-flash

Mates with : TU2003 Series Single Row Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2003WNV-1x02-*-*	2.00	3.75
3	TU2003WNV-1x03-*-*	4.00	5.75
4	TU2003WNV-1x04-*-*	6.00	7.75
5	TU2003WNV-1x05-*-*	8.00	9.75
6	TU2003WNV-1x06-*-*	10.00	11.75
7	TU2003WNV-1x07-*-*	12.00	13.75
8	TU2003WNV-1x08-*-*	14.00	15.75
9	TU2003WNV-1x09-*-*	16.00	17.75
10	TU2003WNV-1x10-*-*	18.00	19.75
11	TU2003WNV-1x11-*-*	20.00	21.75
12	TU2003WNV-1x12-*-*	22.00	23.75
13	TU2003WNV-1x13-*-*	24.00	25.75
14	TU2003WNV-1x14-*-*	26.00	27.75
15	TU2003WNV-1x15-*-*	28.00	29.75
16	TU2003WNV-1x16-*-*	30.00	31.75
17	TU2003WNV-1x17-*-*	32.00	33.75
18	TU2003WNV-1x18-*-*	34.00	35.75
≀			
39	TU2003WNV-1x39-*-*	76.00	77.75
40	TU2003WNV-1x40-*-*	78.00	79.75

Wafer Dual Row A-TYPE

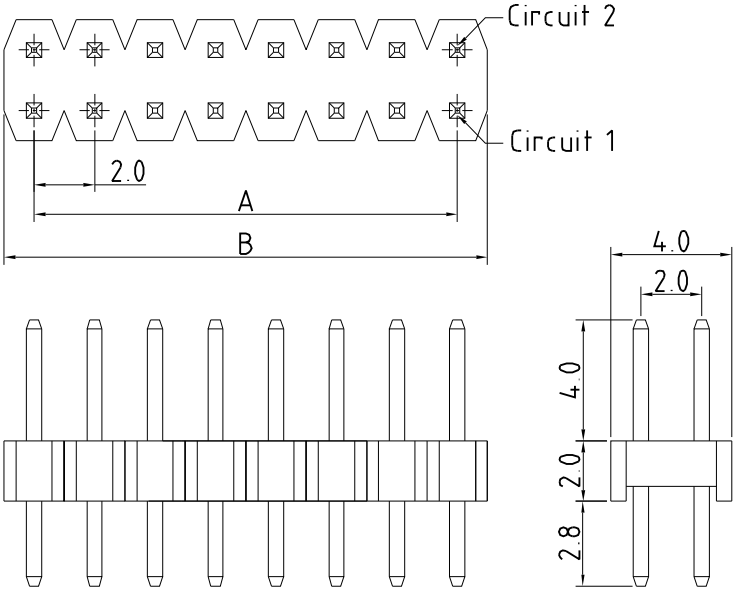
Features

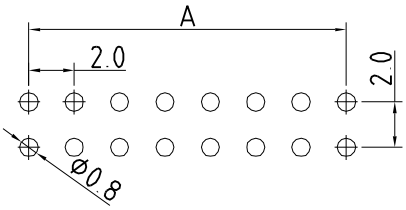
Available Number of Circuits : 2x02 - 2x40

Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.5mm(.020") Copper Alloy, Gold-flash

Mates with : TU2003 Series Dual Row Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2003WNV-2x02-*-*	2.00	3.75
6	TU2003WNV-2x03-*-*	4.00	5.75
8	TU2003WNV-2x04-*-*	6.00	7.75
10	TU2003WNV-2x05-*-*	8.00	9.75
12	TU2003WNV-2x06-*-*	10.00	11.75
14	TU2003WNV-2x07-*-*	12.00	13.75
16	TU2003WNV-2x08-*-*	14.00	15.75
18	TU2003WNV-2x09-*-*	16.00	17.75
20	TU2003WNV-2x10-*-*	18.00	19.75
22	TU2003WNV-2x11-*-*	20.00	21.75
24	TU2003WNV-2x12-*-*	22.00	23.75
26	TU2003WNV-2x13-*-*	24.00	25.75
28	TU2003WNV-2x14-*-*	26.00	27.75
30	TU2003WNV-2x15-*-*	28.00	29.75
32	TU2003WNV-2x16-*-*	30.00	31.75
34	TU2003WNV-2x17-*-*	32.00	33.75
36	TU2003WNV-2x18-*-*	34.00	35.75
≀			
78	TU2003WNV-2x39-*-*	76.00	77.75
80	TU2003WNV-2x40-*-*	78.00	79.75

TU2003 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer Dual Row A-TYPE

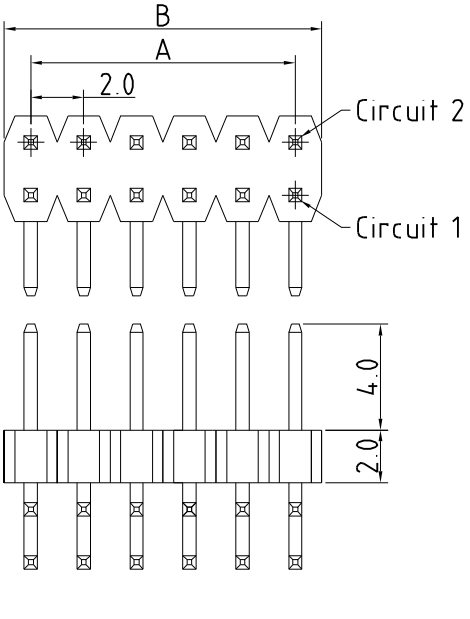
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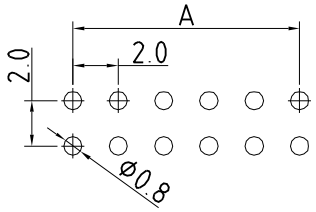
Available Number of Circuits : 2x02 - 2x40

Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.5mm(.020") Copper Alloy, Gold-flash

Mates with : TU2003 Series Dual Row Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2003WNR-2x02A	2.00	3.75
6	TU2003WNR-2x03A	4.00	5.75
8	TU2003WNR-2x04A	6.00	7.75
10	TU2003WNR-2x05A	8.00	9.75
12	TU2003WNR-2x06A	10.00	11.75
14	TU2003WNR-2x07A	12.00	13.75
16	TU2003WNR-2x08A	14.00	15.75
18	TU2003WNR-2x09A	16.00	17.75
20	TU2003WNR-2x10A	18.00	19.75
22	TU2003WNR-2x11A	20.00	21.75
24	TU2003WNR-2x12A	22.00	23.75
26	TU2003WNR-2x13A	24.00	25.75
28	TU2003WNR-2x14A	26.00	27.75
30	TU2003WNR-2x15A	28.00	29.75
32	TU2003WNR-2x16A	30.00	31.75
34	TU2003WNR-2x17A	32.00	33.75
36 ~ 78	TU2003WNR-2x18A ~ TU2003WNR-2x39A	34.00 ~ 76.00	35.75 ~ 77.75
80	TU2003WNR-2x40A	78.00	80.00

Wafer Dual Row B-TYPE

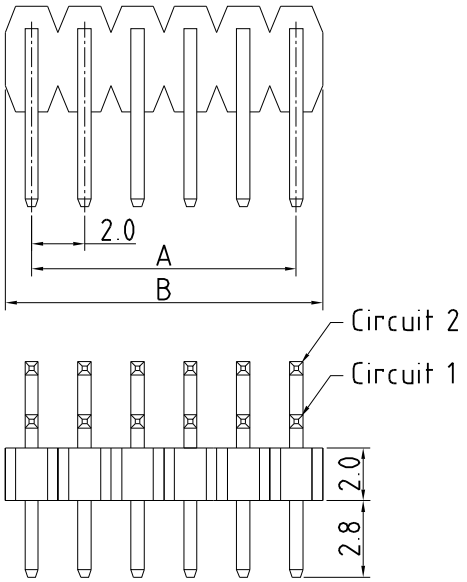
Features

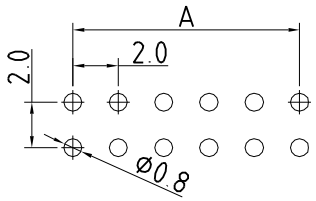
Available Number of Circuits : 2x02 - 2x40

Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2003 Series Dual Row Housing





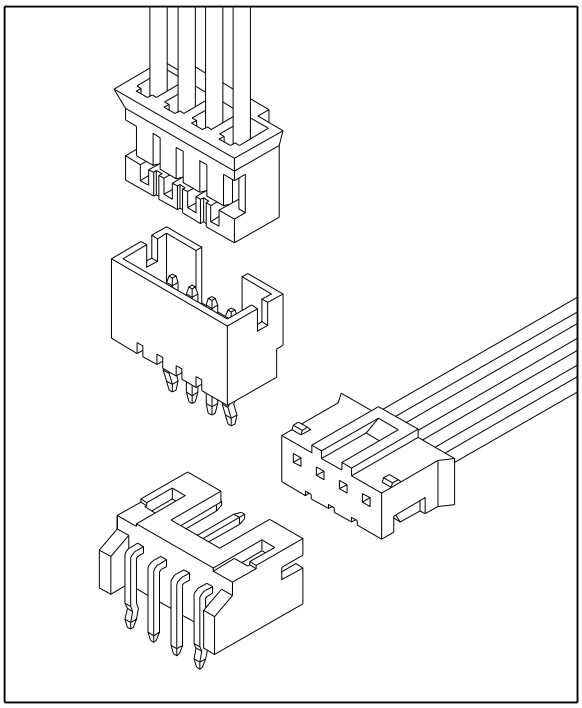
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2003WNR-2x02B	2.00	3.75
6	TU2003WNR-2x03B	4.00	5.75
8	TU2003WNR-2x04B	6.00	7.75
10	TU2003WNR-2x05B	8.00	9.75
12	TU2003WNR-2x06B	10.00	11.75
14	TU2003WNR-2x07B	12.00	13.75
16	TU2003WNR-2x08B	14.00	15.75
18	TU2003WNR-2x09B	16.00	17.75
20	TU2003WNR-2x10B	18.00	19.75
22	TU2003WNR-2x11B	20.00	21.75
24	TU2003WNR-2x12B	22.00	23.75
26	TU2003WNR-2x13B	24.00	25.75
28	TU2003WNR-2x14B	26.00	27.75
30	TU2003WNR-2x15B	28.00	29.75
32	TU2003WNR-2x16B	30.00	31.75
34	TU2003WNR-2x17B	32.00	33.75
36 ~ 78	TU2003WNR-2x18B ~ TU2003WNR-2x39B	34.00 ~ 76.00	35.75 ~ 77.75
80	TU2003WNR-2x40B	78.00	80.00

TU2004 SERIES

2.00mm Pitch Wire To Board Connector

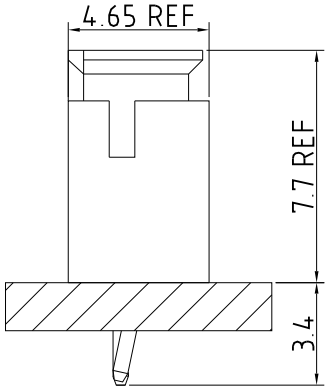


Specification

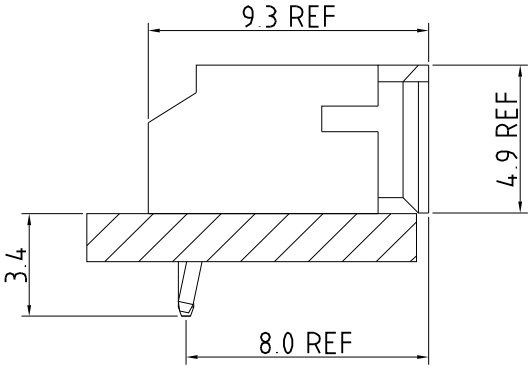
Circuits	02 - 16
Pitch	2.00mm
Current Rating	2A AC/DC
Voltage Rating	100V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	800V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #24 - #30
Applicable P.C.B Thickness	0.8mm - 1.6mm
Applicable P.C.B Hole Dia.	Ø0.8mm ± 0.05

Assembly Layout

Vertical Type



Right Angle Type



TU2004 * - NP - * - * - *
① ② ③ ④ ⑤ ⑥

① Part No. TU2004	④ Mount Type Blank : DIP-Type Wafer	⑥ Product Color Blank : As Specified C* : Color of number
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer	⑤ Contact Plating Code Blank : As Specified GO : Gold-flash over Nikel G* : *u" Gold Plated over Nickel	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU2004 SERIES

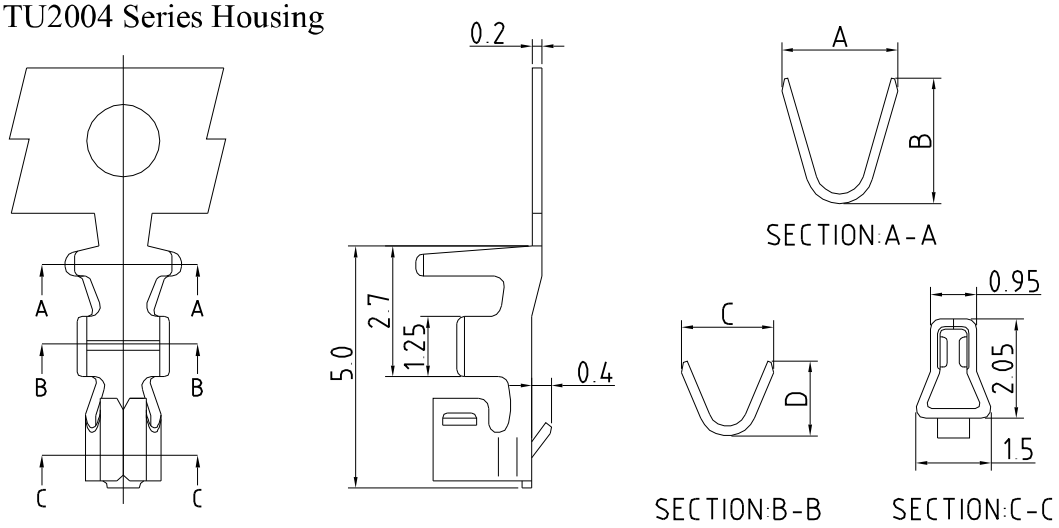
2.00mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU2004 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TU2004TBO-*	AWG #24-#30	1.40mm(MAX.)	2.4	2.6	1.9	1.55	Brass	See note	10,000 pcs
TU2004TPO-*			2.4	2.6	1.9	1.55	Phosphor bronze		
TU2004TPH-ARH			2.4	2.6	2.15	2.05			
TU2004TPL-ARH			2.0	2.0	1.25	1.20			

Note:

For this product in a different specification please contact TYU for more information

Housing

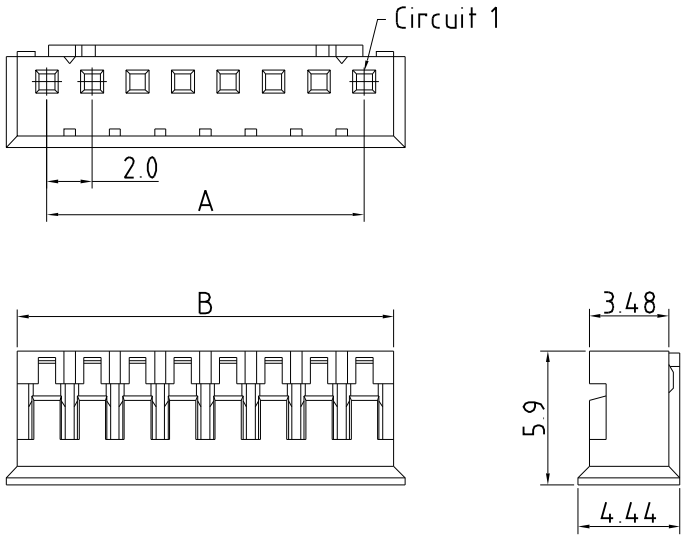
Features

Available Number of Circuits: 02 - 16

Material: Regular Thermoplastic 94V-0

Use with: TU2004 Crimp Terminal

Mates with : TU2004 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2004HNO-02	2.00	4.60
3	TU2004HNO-03	4.00	6.60
4	TU2004HNO-04	6.00	8.60
5	TU2004HNO-05	8.00	10.60
6	TU2004HNO-06	10.00	12.60
7	TU2004HNO-07	12.00	14.60
8	TU2004HNO-08	14.00	16.60
9	TU2004HNO-09	16.00	18.60
10	TU2004HNO-10	18.00	20.60
11	TU2004HNO-11	20.00	22.60
12	TU2004HNO-12	22.00	24.60
13	TU2004HNO-13	24.00	26.60
14	TU2004HNO-14	26.00	28.60
15	TU2004HNO-15	28.00	30.60
16	TU2004HNO-16	30.00	32.60

TU2004 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical

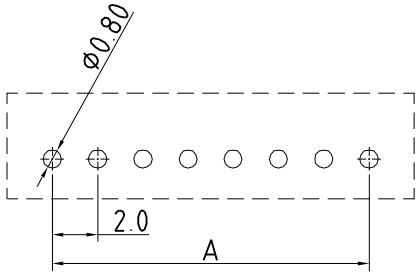
Features

Available Number of Circuits : 02 - 16

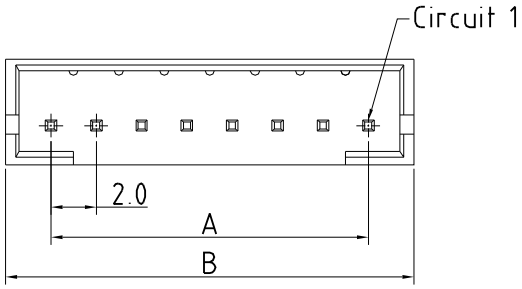
Material : Regular Thermoplastic 94V-0

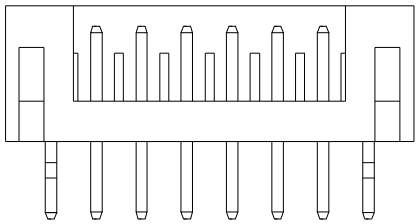
Contact: 0.5mm(.020") Copper Alloy, Tin-plated

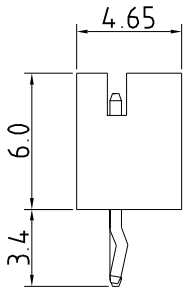
Mates with : TU2004 Series Housing



P.C.B LAYOUT







Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2004WNV-02	2.00	6.00
3	TU2004WNV-03	4.00	8.00
4	TU2004WNV-04	6.00	10.00
5	TU2004WNV-05	8.00	12.00
6	TU2004WNV-06	10.00	14.00
7	TU2004WNV-07	12.00	16.00
8	TU2004WNV-08	14.00	18.00
9	TU2004WNV-09	16.00	20.00
10	TU2004WNV-10	18.00	22.00
11	TU2004WNV-11	20.00	24.00
12	TU2004WNV-12	22.00	26.00
13	TU2004WNV-13	24.00	28.00
14	TU2004WNV-14	26.00	30.00
15	TU2004WNV-15	28.00	32.00
16	TU2004WNV-16	30.00	34.00

Wafer Right Angle

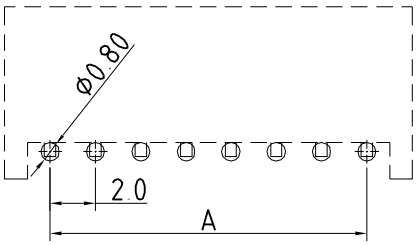
Features

Available Number of Circuits : 02 - 16

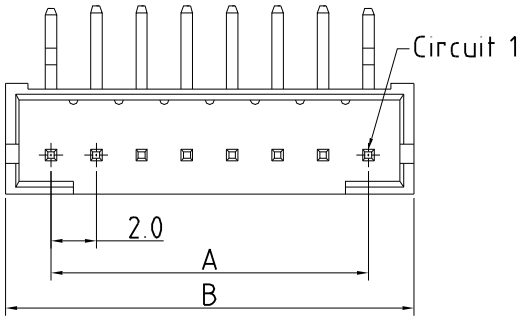
Material : Regular Thermoplastic 94V-0

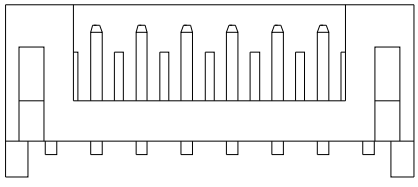
Contact: 0.5mm(.020") Copper Alloy, Tin-plated

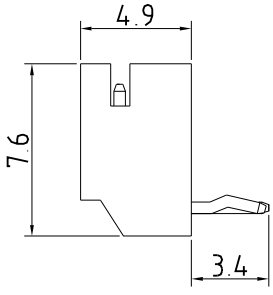
Mates with : TU2004 Series Housing



P.C.B LAYOUT





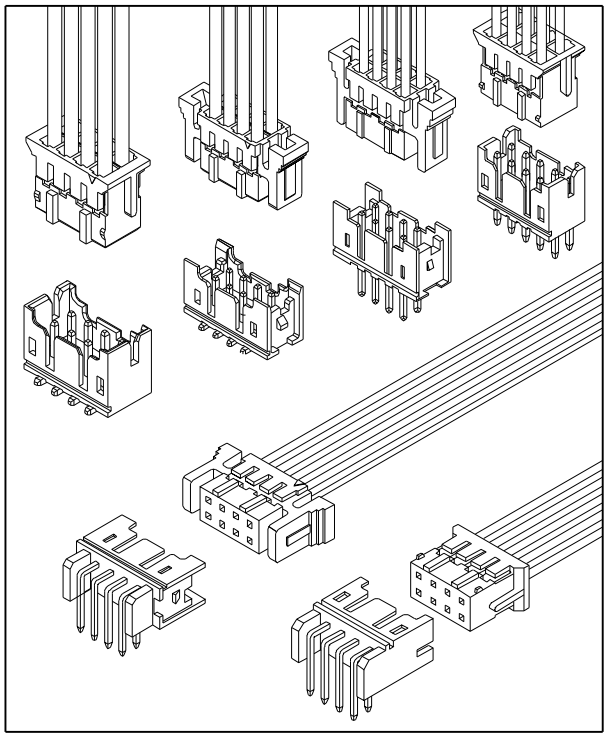


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2004WNR-02	2.00	6.00
3	TU2004WNR-03	4.00	8.00
4	TU2004WNR-04	6.00	10.00
5	TU2004WNR-05	8.00	12.00
6	TU2004WNR-06	10.00	14.00
7	TU2004WNR-07	12.00	16.00
8	TU2004WNR-08	14.00	18.00
9	TU2004WNR-09	16.00	20.00
10	TU2004WNR-10	18.00	22.00
11	TU2004WNR-11	20.00	24.00
12	TU2004WNR-12	22.00	26.00
13	TU2004WNR-13	24.00	28.00
14	TU2004WNR-14	26.00	30.00
15	TU2004WNR-15	28.00	32.00
16	TU2004WNR-16	30.00	34.00

TU2005 SERIES

2.00mm Pitch Wire To Board Connector

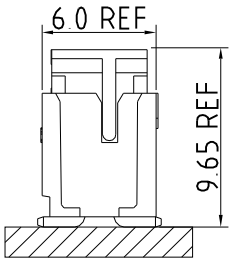


Specification

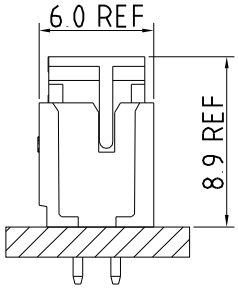
Circuits	2x02 - 2x20
Pitch	2.00mm
Current Rating	4.4A AC/DC (AWG#22) 3.7A AC/DC (AWG#24) 3.4A AC/DC (AWG#26) 2.6A AC/DC (AWG#28)
Voltage Rating	100V AC/DC
Contact Resistance	10mΩ MAX.
Withstand Voltage	800V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #22 - #30
Applicable P.C.B Thickness	1.6mm
Applicable P.C.B Hole Dia.	Ø0.8mm ± 0.05

Assembly Layout

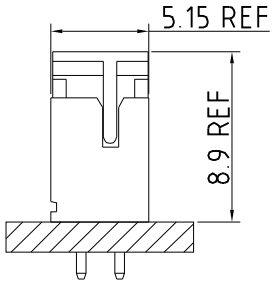
SMT Type



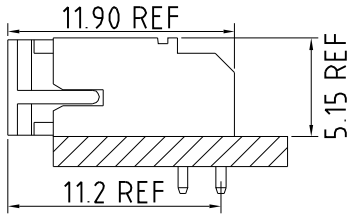
Vertical DIP B Type



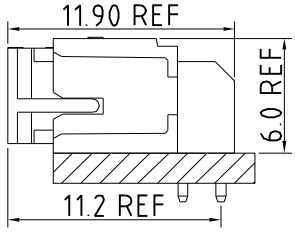
DIP Type



Right Angle DIP Type



DIP B Type



Part No. 1 TU2005 * - * x NP * - * - * - *
① ② ③ ④ ⑤ ⑥ ⑦

Part No. 2 TU2005 * - * x NP 7 * - * * *
① ② ③ ④ ⑤⑧⑦

① Part No. TU2005

② Connection Type:
HNO : Terminal Socket
WNV : Vertical Wafer
WNR : Right Angle Wafer

③ Number of Contacts:
2xNP : Dual Row

④ Mount Type
(Part No. 1) K:Lock Type
(Part No. 1) B:B Type
(Part No. 1) KB:With Lock B Type Wafer
(Part No. 1) KE:With Lock E Type Wafer
(Part No. 2) 0: SMT Type Wafer
(Part No. 2) K: SMT With Lock Type Wafer

⑤ Contact Plating Code
(Part No. 1) Blank : As Specified
(Part No. 1) GO : Gold-flash over Nickel
(Part No. 1) (C): Semi-gloss Tin (DIP)
(Part No. 2) A: Matte-Tin over Nickel
(Part No. 2) N: Gold-flash on Contact Area , Matte-Tin on Solder Tail , over Nickel
(Part No. 2) P: Gold 15u" on Contact Area , Matte-Tin on Solder Tail , over Nickel

⑥ Material Code
(Part No. 1) Blank : As Specified
(Part No. 1) M10 : Nylon 4T UL 94V-0

⑦ Product Color
(Part No. 1) Blank : As Specified
(Part No. 1) C* : Color of number
(Part No. 2) 0 : Cream
(Part No. 2) 1 : Black

⑧ Mount Type
(Part No. 2) 1 : Standard Type
(Part No. 2) 3 : Post Type

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU2005 SERIES

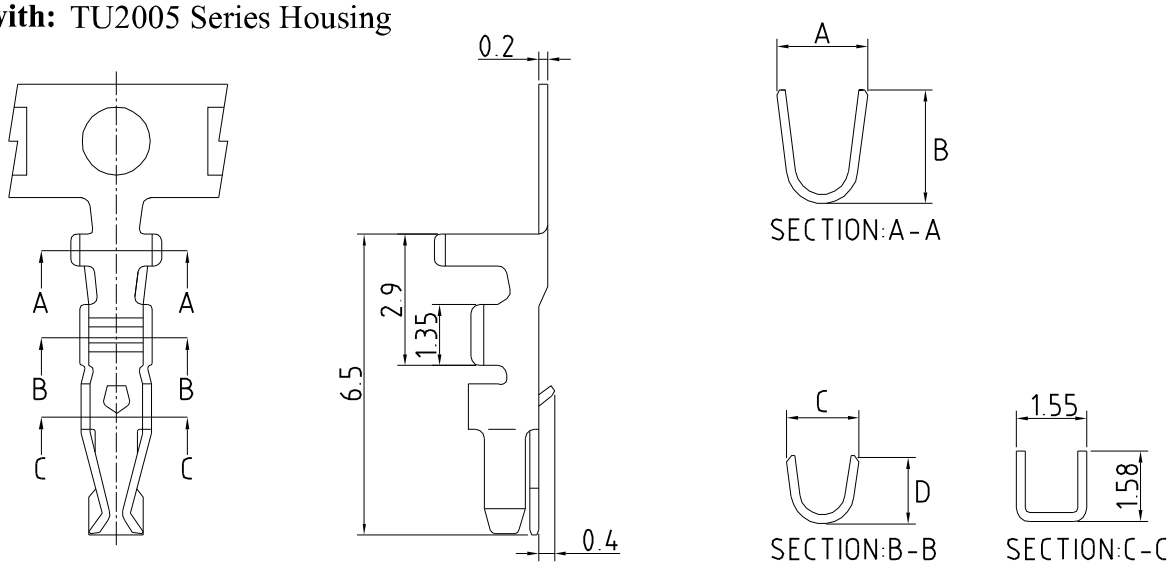
2.00mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU2005 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TU2005TPO-*D	AWG #22-#28	1.50mm(MAX.)	2.0	2.5	1.7	1.5	Phosphor bronze	See note	10,000 pcs
TU2005TPL-*D	AWG #26-#30	1.40mm(MAX.)	1.8	1.8	1.4	1.4			

Note:

For this product in a different specification please contact TYU for more information

Housing

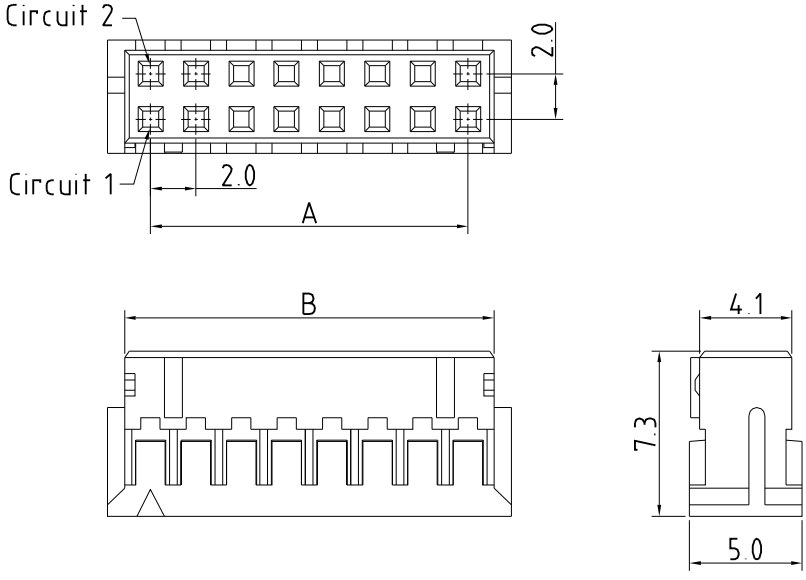
Features

Available Number of Circuits: 2x02 - 2x20

Material: Regular Thermoplastic 94V-0

Use with: TU2005 Crimp Terminal

Mates with: TU2005 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2005HNO-2x02	2.00	4.30
6	TU2005HNO-2x03	4.00	6.30
8	TU2005HNO-2x04	6.00	8.30
10	TU2005HNO-2x05	8.00	10.30
12	TU2005HNO-2x06	10.00	12.30
14	TU2005HNO-2x07	12.00	14.30
16	TU2005HNO-2x08	14.00	16.30
18	TU2005HNO-2x09	16.00	18.30
20	TU2005HNO-2x10	18.00	20.30
22	TU2005HNO-2x11	20.00	22.30
24	TU2005HNO-2x12	22.00	24.30
26	TU2005HNO-2x13	24.00	26.30
28	TU2005HNO-2x14	26.00	28.30
30	TU2005HNO-2x15	28.00	30.30
32	TU2005HNO-2x16	30.00	32.30
34	TU2005HNO-2x17	32.00	34.30
36	TU2005HNO-2x18	34.00	36.30
38	TU2005HNO-2x19	36.00	38.30
40	TU2005HNO-2x20	38.00	40.30

TU2005 SERIES

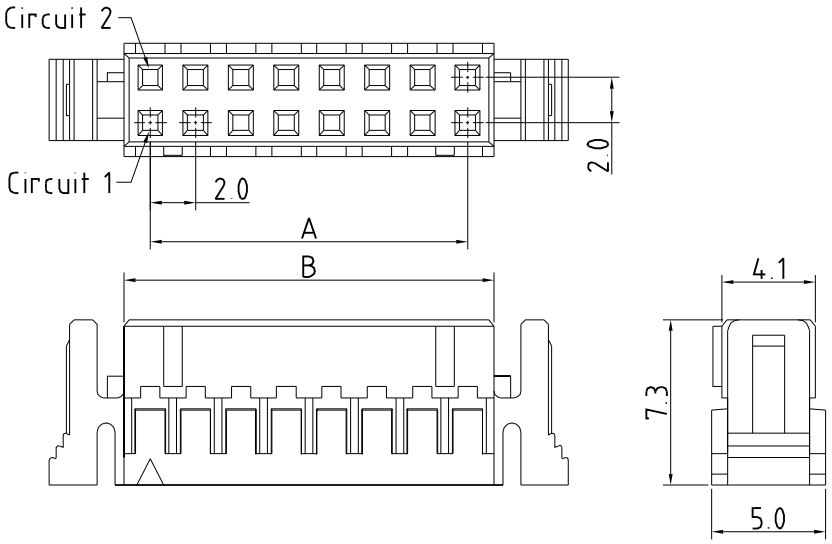
2.00mm Pitch Wire To Board Connector

Unit : mm

Housing K TYPE

Features

Available Number of Circuits : 2x02 - 2x20
Material : Regular Thermoplastic 94V-0
Use with : TU2005 Crimp Terminal
Mates with : TU2005 Series K-Type Wafer



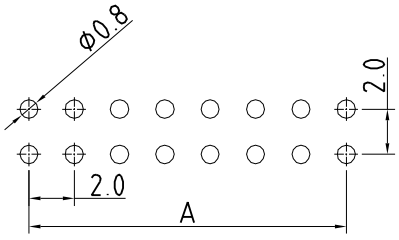
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2005HNO-2x02K	2.00	4.30
6	TU2005HNO-2x03K	4.00	6.30
8	TU2005HNO-2x04K	6.00	8.30
10	TU2005HNO-2x05K	8.00	10.30
12	TU2005HNO-2x06K	10.00	12.30
14	TU2005HNO-2x07K	12.00	14.30
16	TU2005HNO-2x08K	14.00	16.30
18	TU2005HNO-2x09K	16.00	18.30
20	TU2005HNO-2x10K	18.00	20.30
22	TU2005HNO-2x11K	20.00	22.30
24	TU2005HNO-2x12K	22.00	24.30
26	TU2005HNO-2x13K	24.00	26.30
28	TU2005HNO-2x14K	26.00	28.30
30	TU2005HNO-2x15K	28.00	30.30
32	TU2005HNO-2x16K	30.00	32.30
34	TU2005HNO-2x17K	32.00	34.30
36	TU2005HNO-2x18K	34.00	36.30
38	TU2005HNO-2x19K	36.00	38.30
40	TU2005HNO-2x20K	38.00	40.30

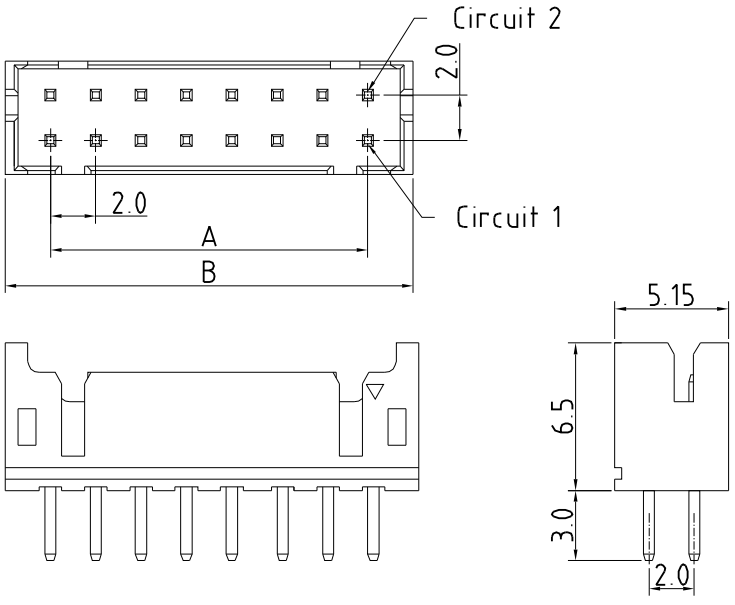
Wafer Vertical

Features

Available Number of Circuits : 2x02 - 2x20
Material : Regular Thermoplastic 94V-0
Contact : 0.5mm(.020") Copper Alloy, Tin-plated
Mates with : TU2005 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2005WNV-2x02-*-*	2.00	5.90
6	TU2005WNV-2x03-*-*	4.00	7.90
8	TU2005WNV-2x04-*-*	6.00	9.90
10	TU2005WNV-2x05-*-*	8.00	11.90
12	TU2005WNV-2x06-*-*	10.00	13.90
14	TU2005WNV-2x07-*-*	12.00	15.90
16	TU2005WNV-2x08-*-*	14.00	17.90
18	TU2005WNV-2x09-*-*	16.00	19.90
20	TU2005WNV-2x10-*-*	18.00	21.90
22	TU2005WNV-2x11-*-*	20.00	23.90
24	TU2005WNV-2x12-*-*	22.00	25.90
26	TU2005WNV-2x13-*-*	24.00	27.90
28	TU2005WNV-2x14-*-*	26.00	29.90
30	TU2005WNV-2x15-*-*	28.00	31.90
32	TU2005WNV-2x16-*-*	30.00	33.90
34	TU2005WNV-2x17-*-*	32.00	35.90
36	TU2005WNV-2x18-*-*	34.00	37.90
38	TU2005WNV-2x19-*-*	36.00	39.90
40	TU2005WNV-2x20-*-*	38.00	41.90

TU2005 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer Right Angle

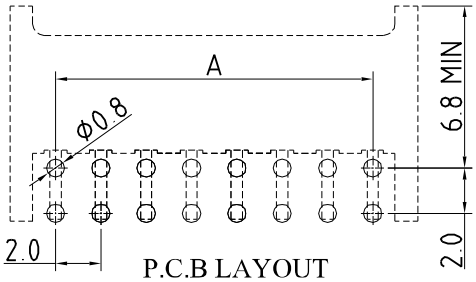
Features

Available Number of Circuits : 2x02 - 2x20

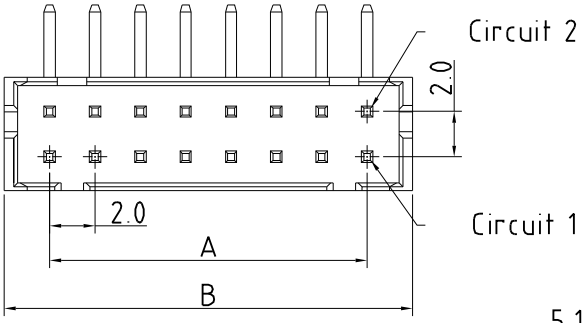
Material : Regular Thermoplastic 94V-0

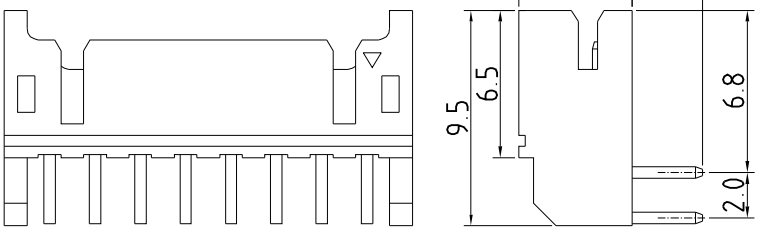
Contact : 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2005 Series Housing



P.C.B LAYOUT





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2005WNR-2x02-*-*	2.00	5.90
6	TU2005WNR-2x03-*-*	4.00	7.90
8	TU2005WNR-2x04-*-*	6.00	9.90
10	TU2005WNR-2x05-*-*	8.00	11.90
12	TU2005WNR-2x06-*-*	10.00	13.90
14	TU2005WNR-2x07-*-*	12.00	15.90
16	TU2005WNR-2x08-*-*	14.00	17.90
18	TU2005WNR-2x09-*-*	16.00	19.90
20	TU2005WNR-2x10-*-*	18.00	21.90
22	TU2005WNR-2x11-*-*	20.00	23.90
24	TU2005WNR-2x12-*-*	22.00	25.90
26	TU2005WNR-2x13-*-*	24.00	27.90
28	TU2005WNR-2x14-*-*	26.00	29.90
30	TU2005WNR-2x15-*-*	28.00	31.90
32	TU2005WNR-2x16-*-*	30.00	33.90
34	TU2005WNR-2x17-*-*	32.00	35.90
36	TU2005WNR-2x18-*-*	34.00	37.90
38	TU2005WNR-2x19-*-*	36.00	39.90
40	TU2005WNR-2x20-*-*	38.00	41.90

Wafer Vertical B TYPE

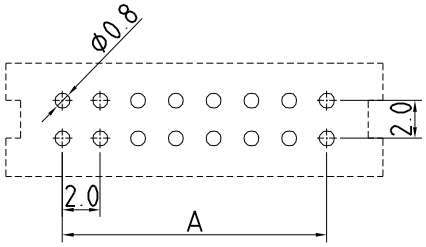
Features

Available Number of Circuits : 2x02 - 2x20

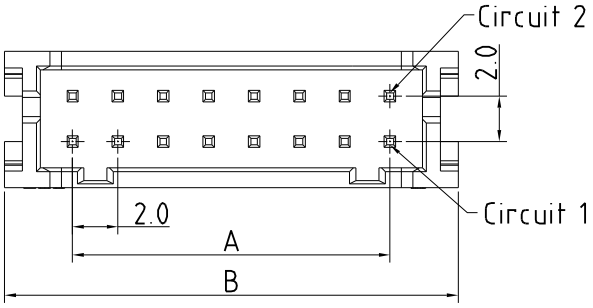
Material : High Temperature Thermoplastic 94V-0

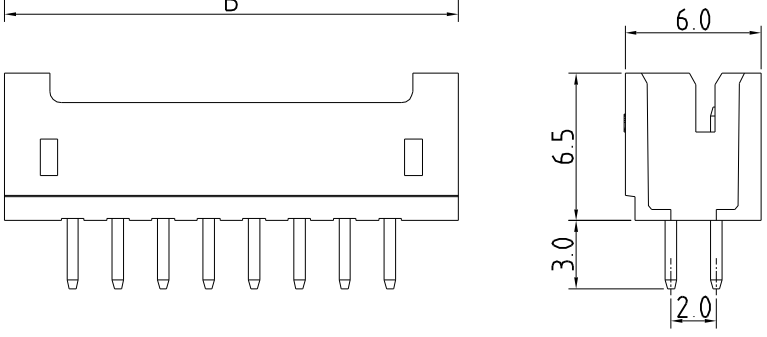
Contact : 0.5mm(.020") Square Pin Copper Alloy, Tin-plated

Mates with : TU2005 Series Housing



P.C.B LAYOUT





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2005WNV-2x02B-*-*	2.00	8.00
6	TU2005WNV-2x03B-*-*	4.00	10.00
8	TU2005WNV-2x04B-*-*	6.00	12.00
10	TU2005WNV-2x05B-*-*	8.00	14.00
12	TU2005WNV-2x06B-*-*	10.00	16.00
14	TU2005WNV-2x07B-*-*	12.00	18.00
16	TU2005WNV-2x08B-*-*	14.00	20.00
18	TU2005WNV-2x09B-*-*	16.00	22.00
20	TU2005WNV-2x10B-*-*	18.00	24.00
22	TU2005WNV-2x11B-*-*	20.00	26.00
24	TU2005WNV-2x12B-*-*	22.00	28.00
26	TU2005WNV-2x13B-*-*	24.00	30.00
28	TU2005WNV-2x14B-*-*	26.00	32.00
30	TU2005WNV-2x15B-*-*	28.00	34.00
32	TU2005WNV-2x16B-*-*	30.00	36.00
34	TU2005WNV-2x17B-*-*	32.00	38.00
36	TU2005WNV-2x18B-*-*	34.00	40.00
38	TU2005WNV-2x19B-*-*	36.00	42.00
40	TU2005WNV-2x20B-*-*	38.00	44.00

TU2005 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer

Right Angle B TYPE

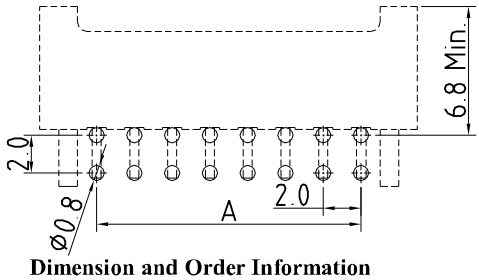
Features

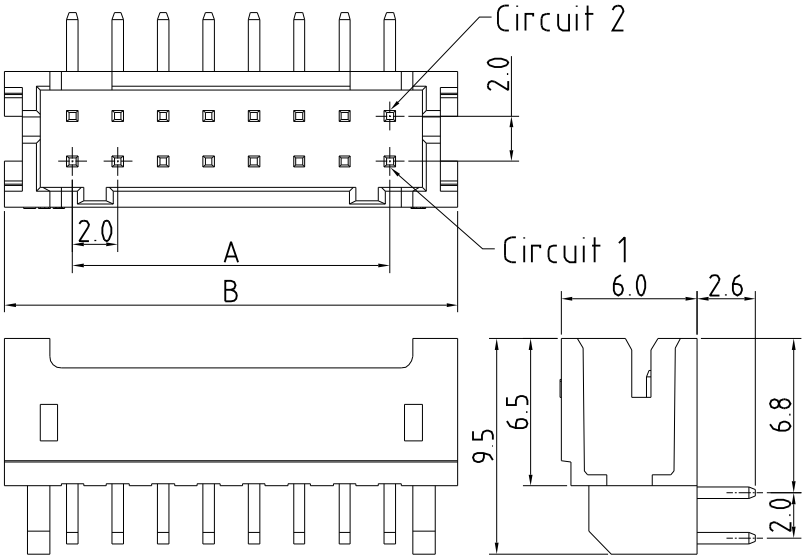
Available Number of Circuits : 2x02 - 2x20

Material : High Temperature Thermoplastic 94V-0

Contact : 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2005 Series Housing





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2005WNR-2x02B-*-*	2.00	8.00
6	TU2005WNR-2x03B-*-*	4.00	10.00
8	TU2005WNR-2x04B-*-*	6.00	12.00
10	TU2005WNR-2x05B-*-*	8.00	14.00
12	TU2005WNR-2x06B-*-*	10.00	16.00
14	TU2005WNR-2x07B-*-*	12.00	18.00
16	TU2005WNR-2x08B-*-*	14.00	20.00
18	TU2005WNR-2x09B-*-*	16.00	22.00
20	TU2005WNR-2x10B-*-*	18.00	24.00
22	TU2005WNR-2x11B-*-*	20.00	26.00
24	TU2005WNR-2x12B-*-*	22.00	28.00
26	TU2005WNR-2x13B-*-*	24.00	30.00
28	TU2005WNR-2x14B-*-*	26.00	32.00
30	TU2005WNR-2x15B-*-*	28.00	34.00
32	TU2005WNR-2x16B-*-*	30.00	36.00
34	TU2005WNR-2x17B-*-*	32.00	38.00
36	TU2005WNR-2x18B-*-*	34.00	40.00
38	TU2005WNR-2x19B-*-*	36.00	42.00
40	TU2005WNR-2x20B-*-*	38.00	44.00

Wafer

Vertical KB TYPE

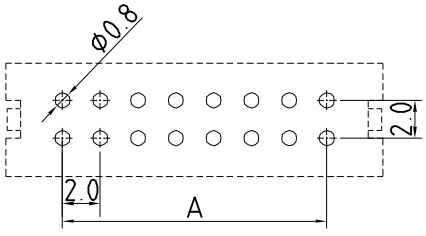
Features

Available Number of Circuits : 2x02 - 2x20

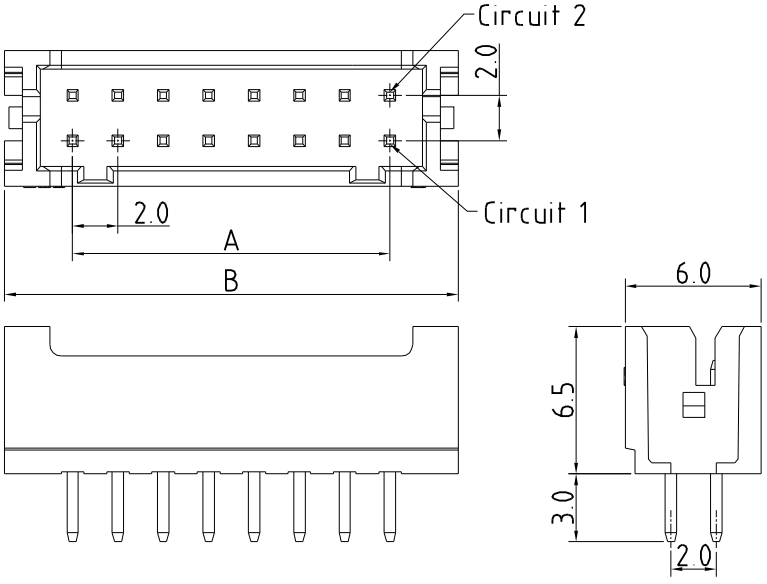
Material : High Temperature Thermoplastic 94V-0

Contact : 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2005 Series K Type Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2005WNV-2x02KB-*-*	2.00	8.00
6	TU2005WNV-2x03KB-*-*	4.00	10.00
8	TU2005WNV-2x04KB-*-*	6.00	12.00
10	TU2005WNV-2x05KB-*-*	8.00	14.00
12	TU2005WNV-2x06KB-*-*	10.00	16.00
14	TU2005WNV-2x07KB-*-*	12.00	18.00
16	TU2005WNV-2x08KB-*-*	14.00	20.00
18	TU2005WNV-2x09KB-*-*	16.00	22.00
20	TU2005WNV-2x10KB-*-*	18.00	24.00
22	TU2005WNV-2x11KB-*-*	20.00	26.00
24	TU2005WNV-2x12KB-*-*	22.00	28.00
26	TU2005WNV-2x13KB-*-*	24.00	30.00
28	TU2005WNV-2x14KB-*-*	26.00	32.00
30	TU2005WNV-2x15KB-*-*	28.00	34.00
32	TU2005WNV-2x16KB-*-*	30.00	36.00
34	TU2005WNV-2x17KB-*-*	32.00	38.00
36	TU2005WNV-2x18KB-*-*	34.00	40.00
38	TU2005WNV-2x19KB-*-*	36.00	42.00
40	TU2005WNV-2x20KB-*-*	38.00	44.00

TU2005 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer

Right Angle KB TYPE

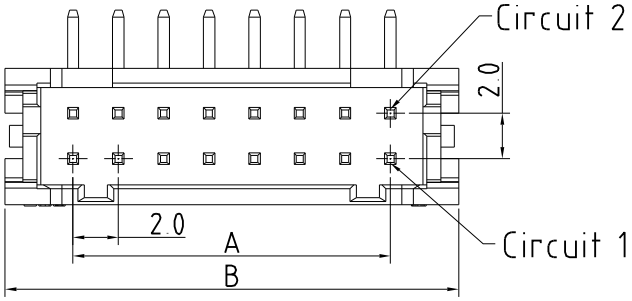
Features

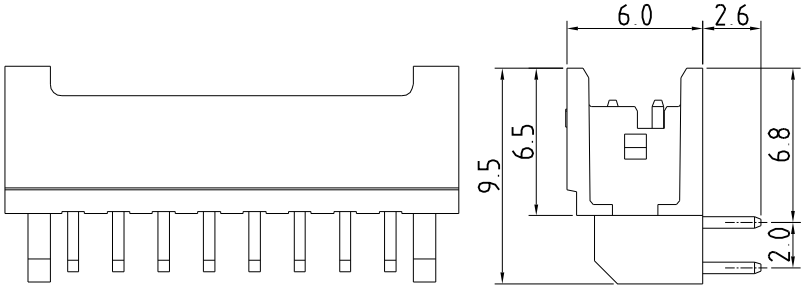
Available Number of Circuits :

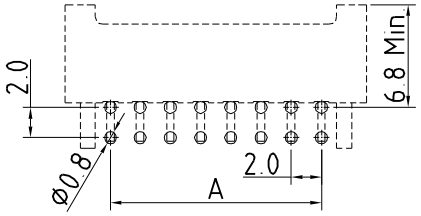
Material : High Temperature Thermoplastic 94V-0

Contact : 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2005 Series K Type Housing







P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2005WNR-2x02KB-*-*	2.00	8.00
6	TU2005WNR-2x03KB-*-*	4.00	10.00
8	TU2005WNR-2x04KB-*-*	6.00	12.00
10	TU2005WNR-2x05KB-*-*	8.00	14.00
12	TU2005WNR-2x06KB-*-*	10.00	16.00
14	TU2005WNR-2x07KB-*-*	12.00	18.00
16	TU2005WNR-2x08KB-*-*	14.00	20.00
18	TU2005WNR-2x09KB-*-*	16.00	22.00
20	TU2005WNR-2x10KB-*-*	18.00	24.00
22	TU2005WNR-2x11KB-*-*	20.00	26.00
24	TU2005WNR-2x12KB-*-*	22.00	28.00
26	TU2005WNR-2x13KB-*-*	24.00	30.00
28	TU2005WNR-2x14KB-*-*	26.00	32.00
30	TU2005WNR-2x15KB-*-*	28.00	34.00
32	TU2005WNR-2x16KB-*-*	30.00	36.00
34	TU2005WNR-2x17KB-*-*	32.00	38.00
36	TU2005WNR-2x18KB-*-*	34.00	40.00
38	TU2005WNR-2x19KB-*-*	36.00	42.00
40	TU2005WNR-2x20KB-*-*	38.00	44.00

Wafer

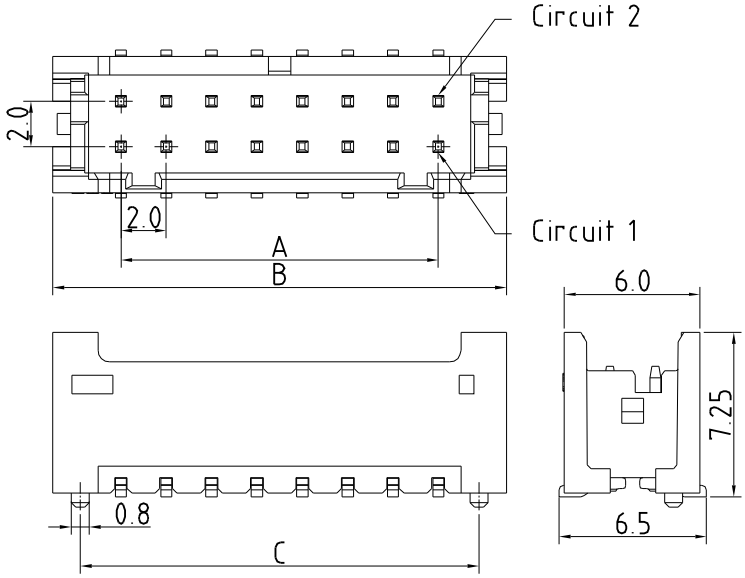
Features

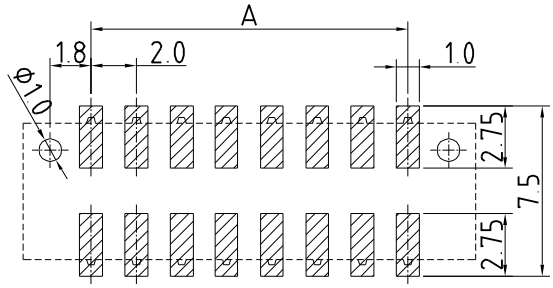
Available Number of Circuits : 2x02 - 2x20

Material : High Temperature Thermoplastic 94V-0

Contact : 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2005 Series K Type Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
4	TU2005WNV-2x027K-*3*	2.00	8.00	5.60
6	TU2005WNV-2x037K-*3*	4.00	10.00	7.60
8	TU2005WNV-2x047K-*3*	6.00	12.00	9.60
10	TU2005WNV-2x057K-*3*	8.00	14.00	11.60
12	TU2005WNV-2x067K-*3*	10.00	16.00	13.60
14	TU2005WNV-2x077K-*3*	12.00	18.00	15.60
16	TU2005WNV-2x087K-*3*	14.00	20.00	17.60
18	TU2005WNV-2x097K-*3*	16.00	22.00	19.60
20	TU2005WNV-2x107K-*3*	18.00	24.00	21.60
22	TU2005WNV-2x117K-*3*	20.00	26.00	23.60
24	TU2005WNV-2x127K-*3*	22.00	28.00	25.60
26	TU2005WNV-2x137K-*3*	24.00	30.00	27.60
28	TU2005WNV-2x147K-*3*	26.00	32.00	29.60
30	TU2005WNV-2x157K-*3*	28.00	34.00	31.60
32	TU2005WNV-2x167K-*3*	30.00	36.00	33.60
34	TU2005WNV-2x177K-*3*	32.00	38.00	35.60
36	TU2005WNV-2x187K-*3*	34.00	40.00	37.60
38	TU2005WNV-2x197K-*3*	36.00	42.00	39.60
40	TU2005WNV-2x207K-*3*	38.00	44.00	41.60

TU2005 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical SMT TYPE

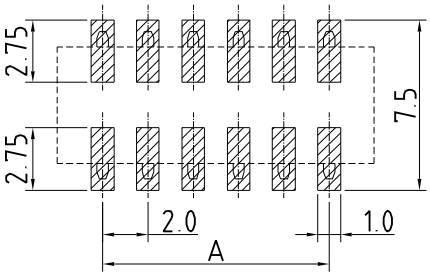
Features

Available Number of Circuits : 2x02 - 2x08

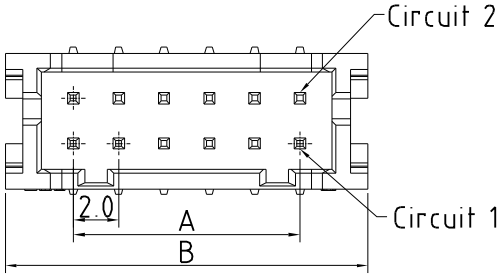
Material : High Temperature Thermoplastic 94V-0

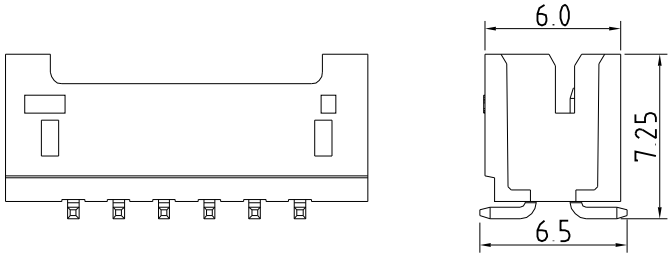
Contact : 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2005 Series Housing



P.C.B LAYOUT





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2005WNV-2x02SB-*-*	2.00	8.00
6	TU2005WNV-2x03SB-*-*	4.00	10.00
8	TU2005WNV-2x04SB-*-*	6.00	12.00
10	TU2005WNV-2x05SB-*-*	8.00	14.00
12	TU2005WNV-2x06SB-*-*	10.00	16.00
14	TU2005WNV-2x07SB-*-*	12.00	18.00
16	TU2005WNV-2x08SB-*-*	14.00	20.00

Wafer Vertical SMT TYPE

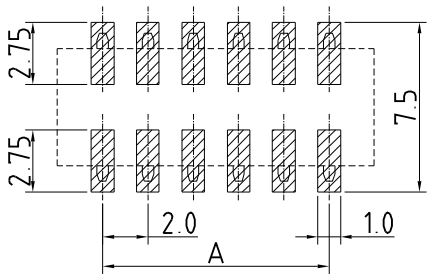
Features

Available Number of Circuits : 2x09 - 2x20

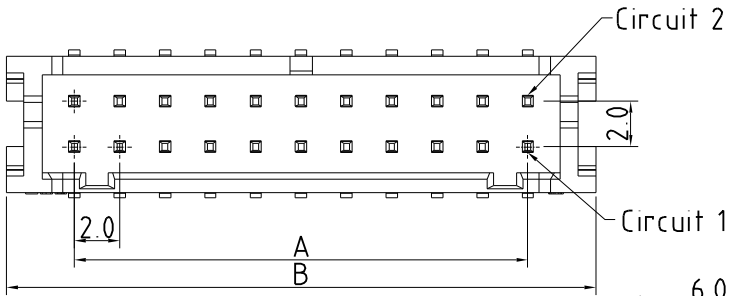
Material : High Temperature Thermoplastic 94V-0

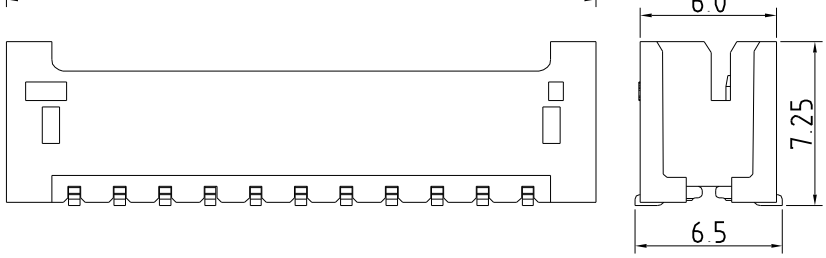
Contact : 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2005 Series Housing



P.C.B LAYOUT





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
18	TU2005WNV-2x0970-*1*	16.00	22.00
20	TU2005WNV-2x1070-*1*	18.00	24.00
22	TU2005WNV-2x1170-*1*	20.00	26.00
24	TU2005WNV-2x1270-*1*	22.00	28.00
26	TU2005WNV-2x1370-*1*	24.00	30.00
28	TU2005WNV-2x1470-*1*	26.00	32.00
30	TU2005WNV-2x1570-*1*	28.00	34.00
32	TU2005WNV-2x1670-*1*	30.00	36.00
34	TU2005WNV-2x1770-*1*	32.00	38.00
36	TU2005WNV-2x1870-*1*	34.00	40.00
38	TU2005WNV-2x1970-*1*	36.00	42.00
40	TU2005WNV-2x2070-*1*	38.00	44.00

TU2005 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical SMT K TYPE

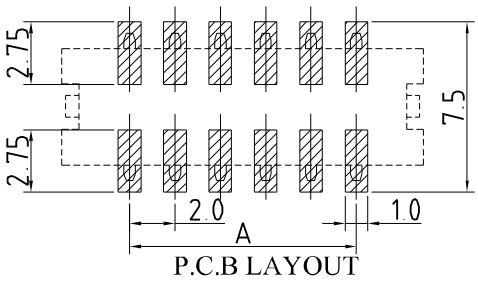
Features

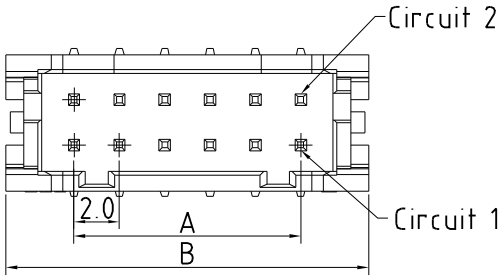
Available Number of Circuits : 2x02 - 2x08

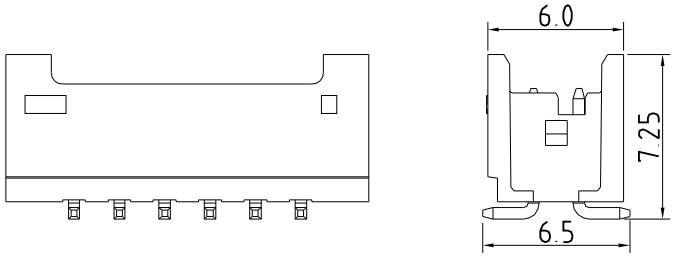
Material : High Temperature Thermoplastic 94V-0

Contact : 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2005 Series Housing







Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2005WNV-2x02SKB-*-*	2.00	8.00
6	TU2005WNV-2x03SKB-*-*	4.00	10.00
8	TU2005WNV-2x04SKB-*-*	6.00	12.00
10	TU2005WNV-2x05SKB-*-*	8.00	14.00
12	TU2005WNV-2x06SKB-*-*	10.00	16.00
14	TU2005WNV-2x07SKB-*-*	12.00	18.00
16	TU2005WNV-2x08SKB-*-*	14.00	20.00

Wafer Vertical SMT K TYPE

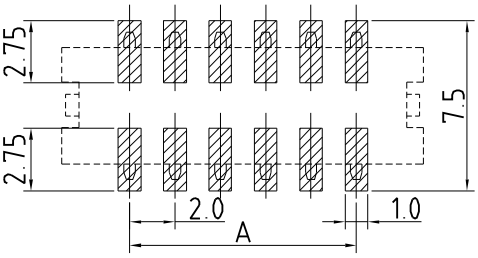
Features

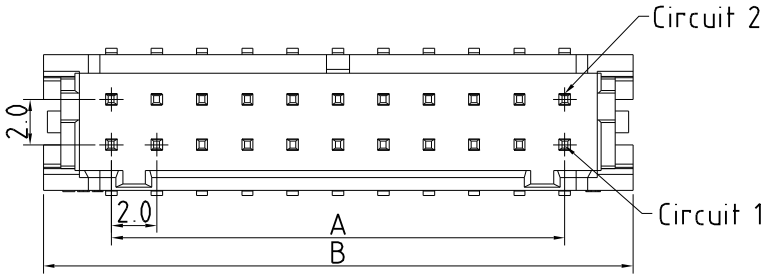
Available Number of Circuits : 2x09 - 2x40

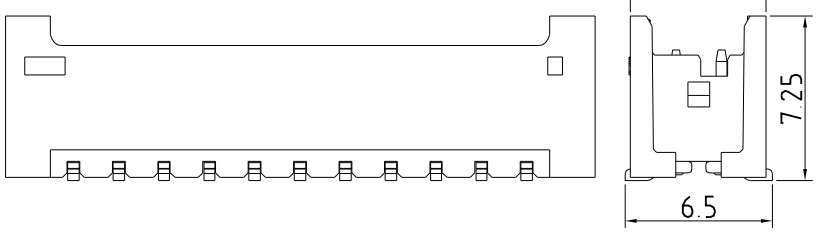
Material : High Temperature Thermoplastic 94V-0

Contact : 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2005 Series K Type Housing





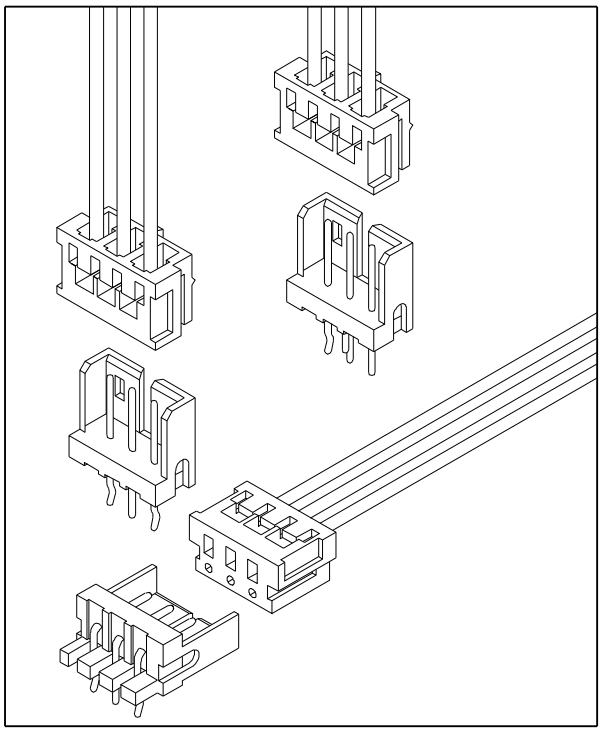


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
18	TU2005WNV-2x097K-*1*	16.00	22.00
20	TU2005WNV-2x107K-*1*	18.00	24.00
22	TU2005WNV-2x117K-*1*	20.00	26.00
24	TU2005WNV-2x127K-*1*	22.00	28.00
26	TU2005WNV-2x137K-*1*	24.00	30.00
28	TU2005WNV-2x147K-*1*	26.00	32.00
30	TU2005WNV-2x157K-*1*	28.00	34.00
32	TU2005WNV-2x167K-*1*	30.00	36.00
34	TU2005WNV-2x177K-*1*	32.00	38.00
36	TU2005WNV-2x187K-*1*	34.00	40.00
38	TU2005WNV-2x197K-*1*	36.00	42.00
40	TU2005WNV-2x207K-*1*	38.00	44.00

TU2006 SERIES

2.00mm Pitch Wire To Board Connector



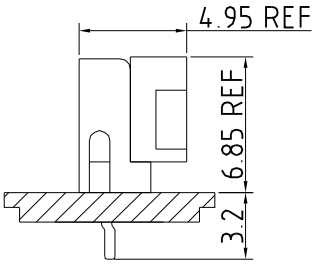
Specification

Circuits	02 - 15
Pitch	2.00mm
Current Rating	2A AC/DC
Voltage Rating	100V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	800V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #22 - #26
Applicable P.C.B Thickness	1.6mm
Applicable P.C.B Hole Dia.	Ø0.8mm ± 0.05

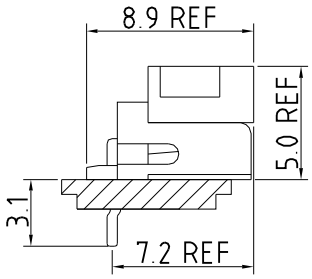
TU2006

Assembly Layout

Vertical Type



Right Angle Type



TU2006 * - NP * - * - * - *
① ② ③ ④ ⑤ ⑥ ⑦

① Part No. TU2006	④ Mount Type F : DIP-Type Wafer With Post	⑥ Material Code Blank : As Specified M7 : Nylon 9T UL 94V-0
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer	⑤ Contact Plating Code Blank : As Specified GO : Gold-flash over Nickel	⑦ Product Color Blank : As Specified C* : Color of number
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU2006 SERIES

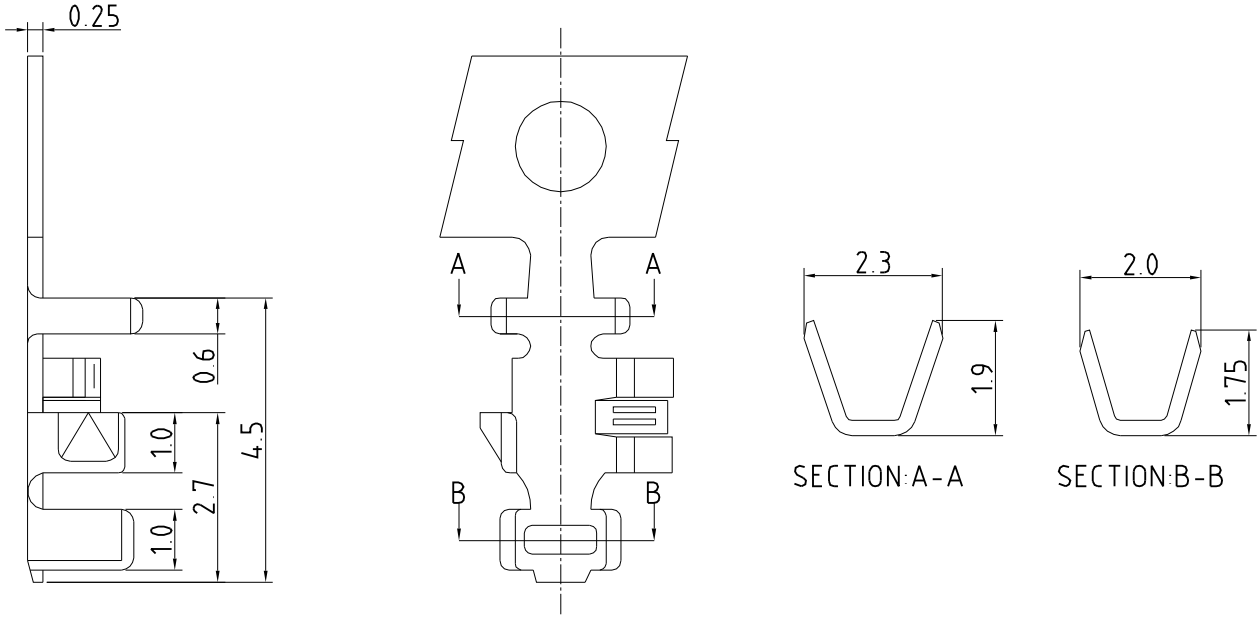
2.00mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU2006 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU2006TPO-*	AWG #22-#26	1.40mm(MAX.)	Phosphor bronze	See note	15,000 pcs

Note:

For this product in a different specification please contact TYU for more information

Housing

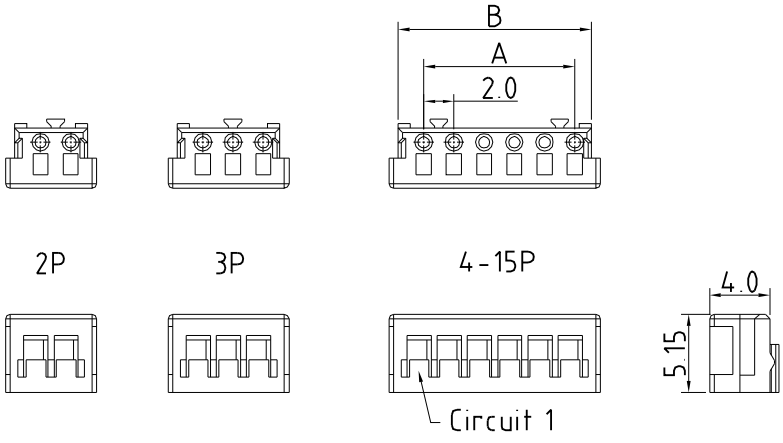
Features

Available Number of Circuits: 02 - 15

Material: Regular Thermoplastic 94V-0

Use with: TU2006 Crimp Terminal

Mates with : TU2006 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2006HNO-02	2.00	4.80
3	TU2006HNO-03	4.00	6.80
4	TU2006HNO-04	6.00	8.80
5	TU2006HNO-05	8.00	10.80
6	TU2006HNO-06	10.00	12.80
7	TU2006HNO-07	12.00	14.80
8	TU2006HNO-08	14.00	16.80
9	TU2006HNO-09	16.00	18.80
10	TU2006HNO-10	18.00	20.80
11	TU2006HNO-11	20.00	22.80
12	TU2006HNO-12	22.00	24.80
13	TU2006HNO-13	24.00	26.80
14	TU2006HNO-14	26.00	28.80
15	TU2006HNO-15	28.00	30.80

TU2006 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical

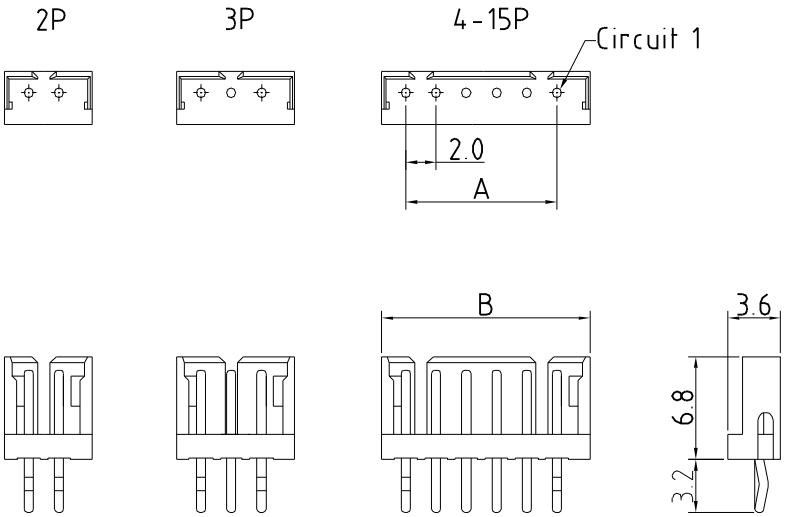
Features

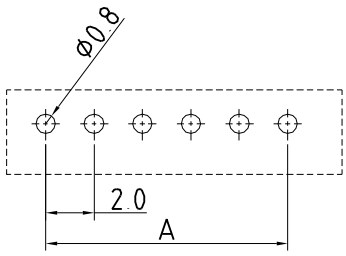
Available Number of Circuits : 02 - 15

Material : Regular Thermoplastic 94V-0

Contact: 0.6mm(.024") Copper Alloy, Tin-plated

Mates with : TU2006 Series Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2006WNV-02	2.00	5.85
3	TU2006WNV-03	4.00	7.85
4	TU2006WNV-04	6.00	9.85
5	TU2006WNV-05	8.00	11.85
6	TU2006WNV-06	10.00	13.85
7	TU2006WNV-07	12.00	15.85
8	TU2006WNV-08	14.00	17.85
9	TU2006WNV-09	16.00	19.85
10	TU2006WNV-10	18.00	21.85
11	TU2006WNV-11	20.00	23.85
12	TU2006WNV-12	22.00	25.85
13	TU2006WNV-13	24.00	27.85
14	TU2006WNV-14	26.00	29.85
15	TU2006WNV-15	28.00	31.85

Wafer Right Angle

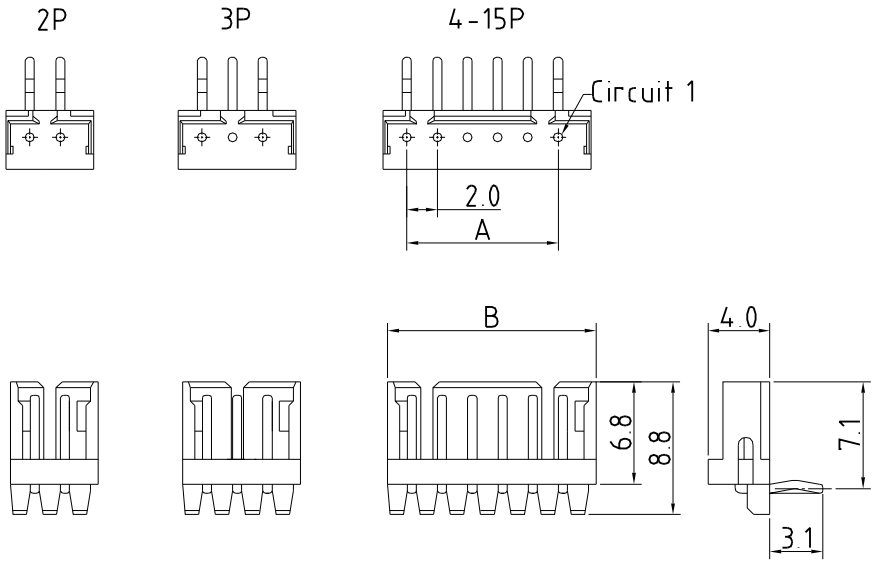
Features

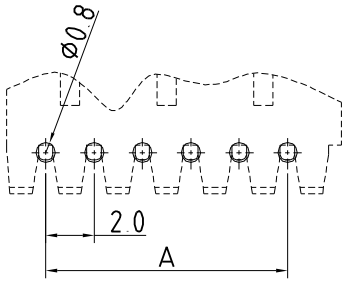
Available Number of Circuits : 02 - 15

Material : Regular Thermoplastic 94V-0

Contact: 0.6mm(.024") Copper Alloy, Tin-plated

Mates with : TU2006 Series Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2006WNR-02	2.00	5.85
3	TU2006WNR-03	4.00	7.85
4	TU2006WNR-04	6.00	9.85
5	TU2006WNR-05	8.00	11.85
6	TU2006WNR-06	10.00	13.85
7	TU2006WNR-07	12.00	15.85
8	TU2006WNR-08	14.00	17.85
9	TU2006WNR-09	16.00	19.85
10	TU2006WNR-10	18.00	21.85
11	TU2006WNR-11	20.00	23.85
12	TU2006WNR-12	22.00	25.85
13	TU2006WNR-13	24.00	27.85
14	TU2006WNR-14	26.00	29.85
15	TU2006WNR-15	28.00	31.85

TU2006 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer

Vertical F-Type

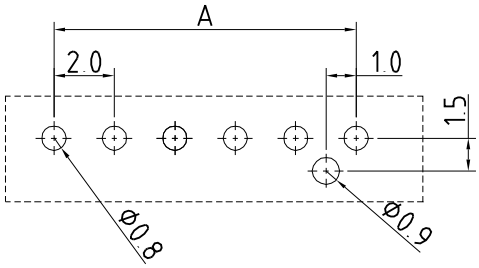
Features

Available Number of Circuits : 02 - 15

Material : Regular Thermoplastic 94V-0

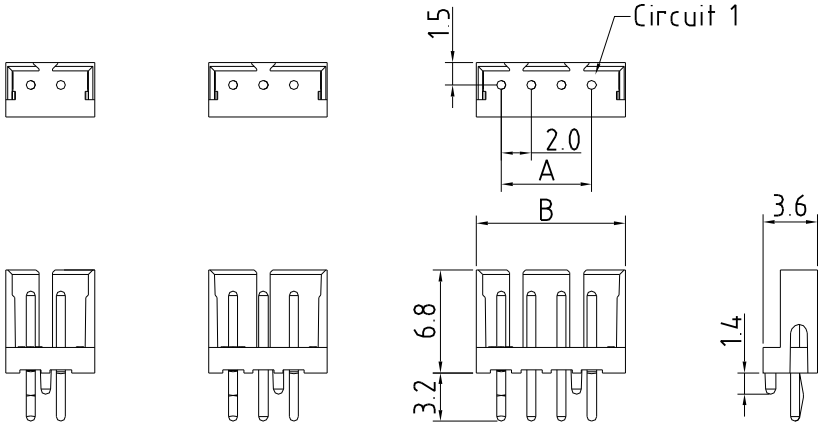
Contact: 0.6mm(.024") Copper Alloy, Tin-plated

Mates with : TU2006 Series Housing



P.C.B LAYOUT

2P 3P 4-15P

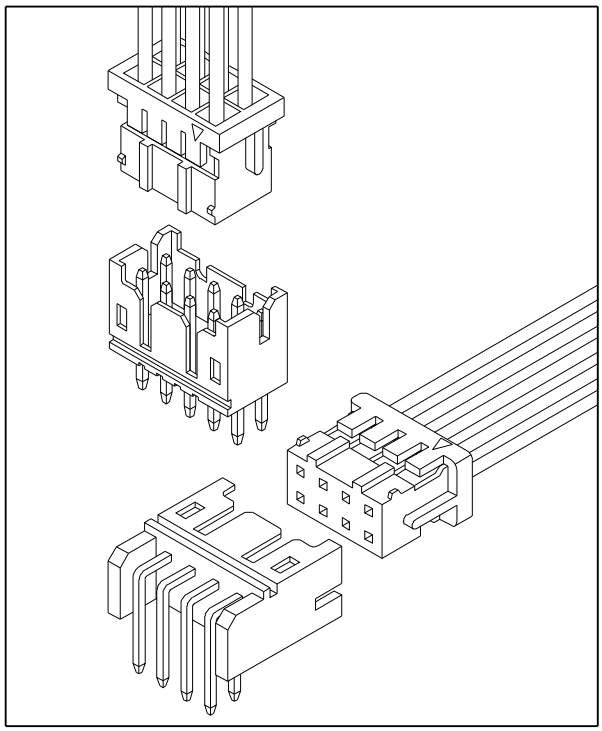


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2006WNV-02F	2.00	5.85
3	TU2006WNV-03F	4.00	7.85
4	TU2006WNV-04F	6.00	9.85
5	TU2006WNV-05F	8.00	11.85
6	TU2006WNV-06F	10.00	13.85
7	TU2006WNV-07F	12.00	15.85
8	TU2006WNV-08F	14.00	17.85
9	TU2006WNV-09F	16.00	19.85
10	TU2006WNV-10F	18.00	21.85
11	TU2006WNV-11F	20.00	23.85
12	TU2006WNV-12F	22.00	25.85
13	TU2006WNV-13F	24.00	27.85
14	TU2006WNV-14F	26.00	29.85
15	TU2006WNV-15F	28.00	31.85

TU2007 SERIES

2.00mm Pitch Wire To Board Connector



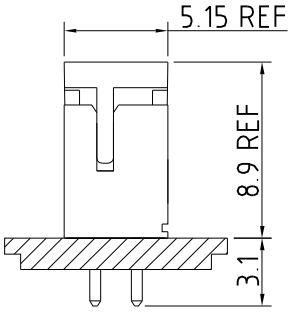
Specification

Circuits	2x02 - 2x20
Pitch	2.00mm
Current Rating	3A AC/DC
Voltage Rating	100V AC/DC
Contact Resistance	30mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #22 - #28
Applicable P.C.B Thickness	1.6mm
Applicable P.C.B Hole Dia.	Ø0.8mm ± 0.05

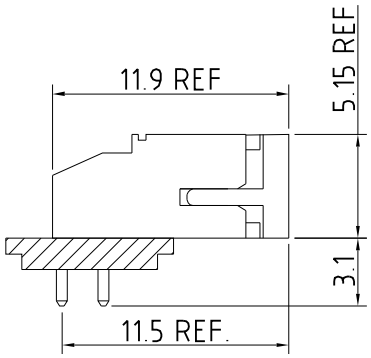
TU2007

Assembly Layout

Vertical Type



Right Angle Type



TU2007 * - * x NP * - * - * - *
① ② ③ ④ ⑤ ⑥ ⑦

① Part No. TU2007	④ Mount Type KE:With Lock E Type Wafer	⑥ Material Code Blank : As Specified M7 : Nylon 9T UL 94V-0 M10 : Nylon 4T UL 94V-0
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer	⑤ Contact Plating Code Blank : As Specified GO : Gold-flash over Nickel	⑦ Product Color Blank : As Specified C* : Color of number
③ Number of Contacts: 2xNP : Dual Row		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU2007 SERIES

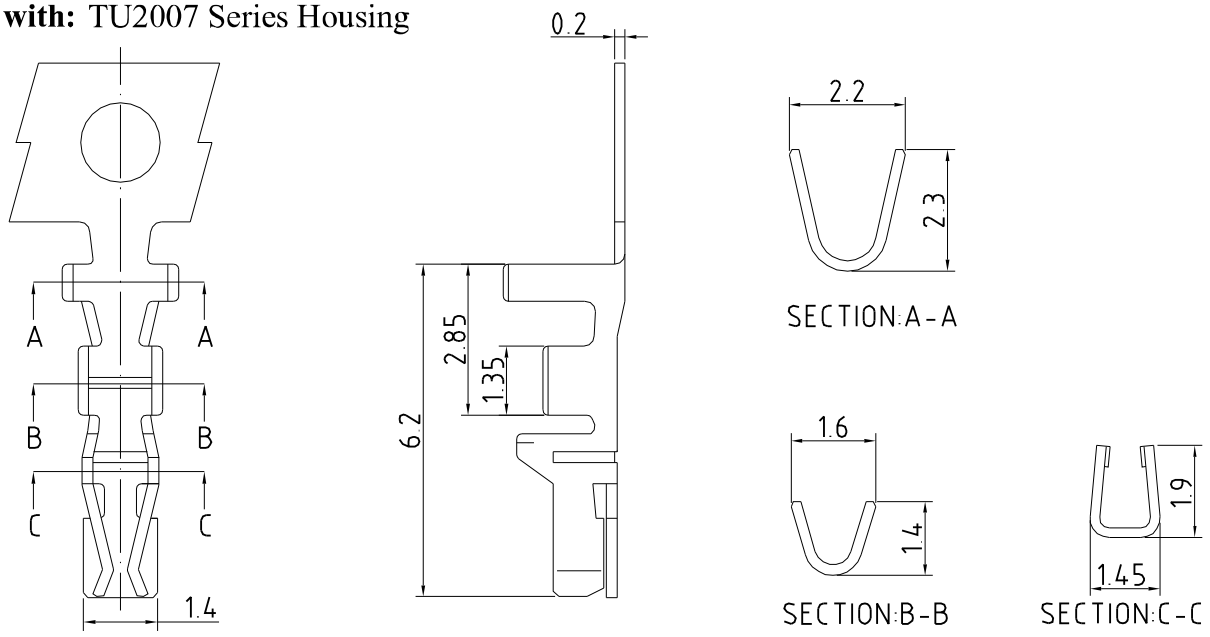
2.00mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU2007 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU2007TPO-*	AWG #22-#28	1.45mm(MAX.)	Phosphor bronze	See note	10,000 pcs

Note:
For this product in a different specification please contact TYU for more information

Housing

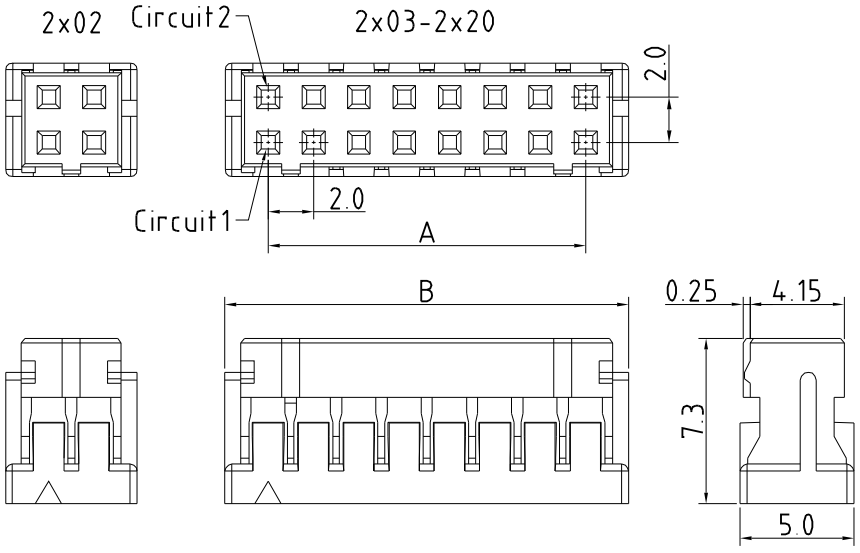
Features

Available Number of Circuits: 2x02 - 2x20

Material: Regular Thermoplastic 94V-0

Use with: TU2007 Crimp Terminal

Mates with : TU2007 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2007HNO-2x02	2.00	5.80
6	TU2007HNO-2x03	4.00	7.80
8	TU2007HNO-2x04	6.00	9.80
10	TU2007HNO-2x05	8.00	11.80
12	TU2007HNO-2x06	10.00	13.80
14	TU2007HNO-2x07	12.00	15.80
16	TU2007HNO-2x08	14.00	17.80
18	TU2007HNO-2x09	16.00	19.80
20	TU2007HNO-2x10	18.00	21.80
22	TU2007HNO-2x11	20.00	23.80
24	TU2007HNO-2x12	22.00	25.80
26	TU2007HNO-2x13	24.00	27.80
28	TU2007HNO-2x14	26.00	29.80
30	TU2007HNO-2x15	28.00	31.80
32	TU2007HNO-2x16	30.00	33.80
34	TU2007HNO-2x17	32.00	35.80
36	TU2007HNO-2x18	34.00	37.80
38	TU2007HNO-2x19	36.00	39.80
40	TU2007HNO-2x20	38.00	41.80

TU2007 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

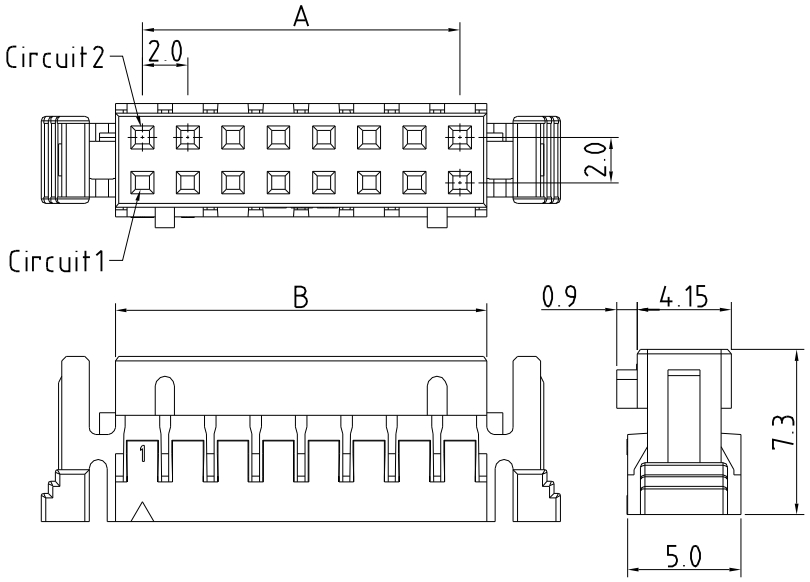
Housing KE-TYPE

Features

Available Number of Circuits: 2x02 - 2x20

Material: Regular Thermoplastic 94V-0

Use with: TU2007 Crimp Terminal



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2007HNO-2x02KE	2.00	4.40
6	TU2007HNO-2x03KE	4.00	6.40
8	TU2007HNO-2x04KE	6.00	8.40
10	TU2007HNO-2x05KE	8.00	10.40
12	TU2007HNO-2x06KE	10.00	12.40
14	TU2007HNO-2x07KE	12.00	14.40
16	TU2007HNO-2x08KE	14.00	16.40
18	TU2007HNO-2x09KE	16.00	18.40
20	TU2007HNO-2x10KE	18.00	20.40
22	TU2007HNO-2x11KE	20.00	22.40
24	TU2007HNO-2x12KE	22.00	24.40
26	TU2007HNO-2x13KE	24.00	26.40
28	TU2007HNO-2x14KE	26.00	28.40
30	TU2007HNO-2x15KE	28.00	30.40
32	TU2007HNO-2x16KE	30.00	32.40
34	TU2007HNO-2x17KE	32.00	34.40
36	TU2007HNO-2x18KE	34.00	36.40
38	TU2007HNO-2x19KE	36.00	38.40
40	TU2007HNO-2x20KE	38.00	40.40

TU2007 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical

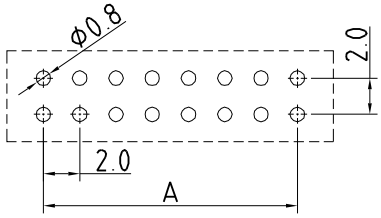
Features

Available Number of Circuits : 2x02 - 2x20

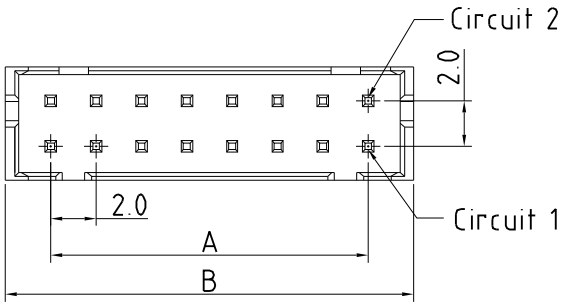
Material : Regular Thermoplastic 94V-0

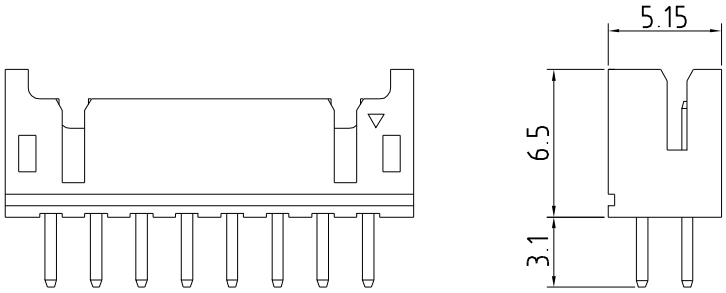
Contact: 0.5mm(.020") Square Pin Copper Alloy, Tin-plated

Mates with : TU2007 Series Housing



P.C.B LAYOUT





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2007WNV-2x02-*-*	2.00	6.00
6	TU2007WNV-2x03-*-*	4.00	8.00
8	TU2007WNV-2x04-*-*	6.00	10.00
10	TU2007WNV-2x05-*-*	8.00	12.00
12	TU2007WNV-2x06-*-*	10.00	14.00
14	TU2007WNV-2x07-*-*	12.00	16.00
16	TU2007WNV-2x08-*-*	14.00	18.00
18	TU2007WNV-2x09-*-*	16.00	20.00
20	TU2007WNV-2x10-*-*	18.00	22.00
22	TU2007WNV-2x11-*-*	20.00	24.00
24	TU2007WNV-2x12-*-*	22.00	26.00
26	TU2007WNV-2x13-*-*	24.00	28.00
28	TU2007WNV-2x14-*-*	26.00	30.00
30	TU2007WNV-2x15-*-*	28.00	32.00
32	TU2007WNV-2x16-*-*	30.00	34.00
34	TU2007WNV-2x17-*-*	32.00	36.00
36	TU2007WNV-2x18-*-*	34.00	38.00
38	TU2007WNV-2x19-*-*	36.00	40.00
40	TU2007WNV-2x20-*-*	38.00	42.00

Wafer Right Angle

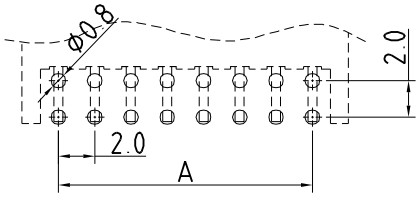
Features

Available Number of Circuits : 2x02 - 2x16

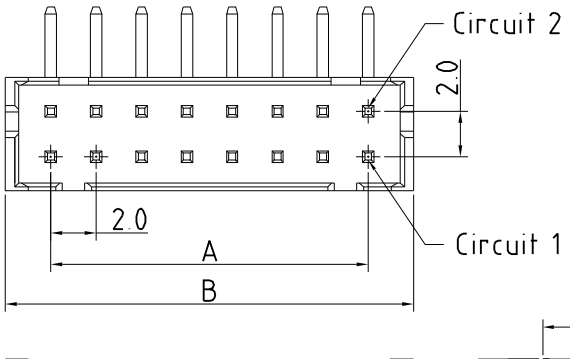
Material : Regular Thermoplastic 94V-0

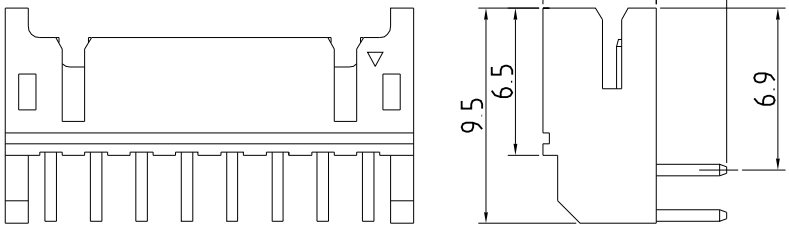
Contact: 0.5mm(.020") Square Pin Copper Alloy, Tin-plated

Mates with : TU2007 Series Housing



P.C.B LAYOUT



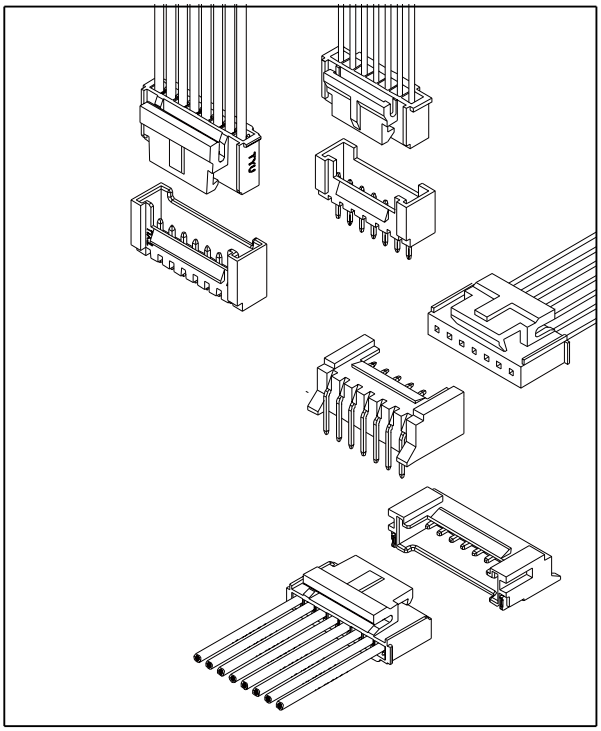


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2007WNR-2x02-*-*	2.00	6.00
6	TU2007WNR-2x03-*-*	4.00	8.00
8	TU2007WNR-2x04-*-*	6.00	10.00
10	TU2007WNR-2x05-*-*	8.00	12.00
12	TU2007WNR-2x06-*-*	10.00	14.00
14	TU2007WNR-2x07-*-*	12.00	16.00
16	TU2007WNR-2x08-*-*	14.00	18.00
18	TU2007WNR-2x09-*-*	16.00	20.00
20	TU2007WNR-2x10-*-*	18.00	22.00
22	TU2007WNR-2x11-*-*	20.00	24.00
24	TU2007WNR-2x12-*-*	22.00	26.00
26	TU2007WNR-2x13-*-*	24.00	28.00
28	TU2007WNR-2x14-*-*	26.00	30.00
30	TU2007WNR-2x15-*-*	28.00	32.00
32	TU2007WNR-2x16-*-*	30.00	34.00

TU2008 SERIES

2.00mm Pitch Wire To Board Connector



Specification

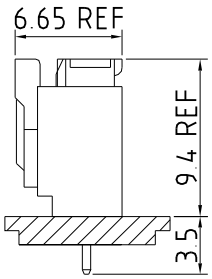
Circuits	02 - 16
Pitch	2.00mm
Current Rating	3A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	800V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #22 - #28
Applicable P.C.B Thickness	1.6mm
Applicable P.C.B Hole Dia.	Ø0.8mm ± 0.05

TU2008

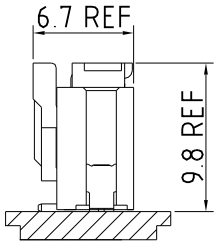
Assembly Layout

Vertical Type

DIP-Type

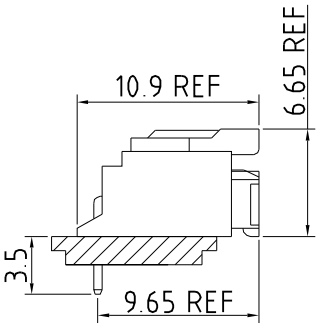


SMT-Type

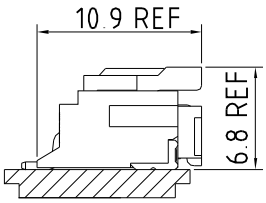


Right Angle Type

DIP-Type



SMT-Type



Part No. 1 TU2008 * - NP - * - * - *
① ② ③ ④ ⑤ ⑥

Part No. 2 TU2008 * - NP * 0 - * 0 *
① ② ③ ⑥ ④ ⑦

① Part No. TU2008	④ Contact Plating Code (Part No. 1) Blank : As Specified (Part No. 1) GO : Gold-flash over Nickel (Part No. 1) (C) : Semi-gloss Tin (DIP) (Part No. 2) A: Matte-Tin over Nickel (Part No. 2) 0: Gold-flash over Nickel	⑦ Mount Type (Part No. 2) 5: SMT Type Wafer (Part No. 2) 7: W/CAP SMT Type Wafer
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer		
③ Number of Contacts: NP : Circuits	⑤ Material Code Blank : As Specified M7 : Nylon 9T UL 94V-0	

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU2008 SERIES

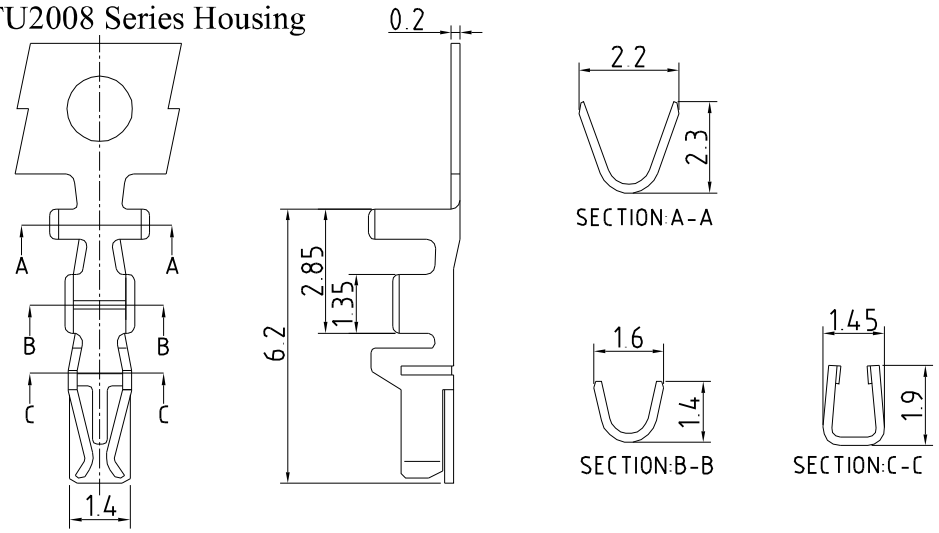
2.00mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU2008 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU2008TPO-*	AWG #24-#28	1.40mm(MAX.)	Phosphor bronze	See note	10,000 pcs

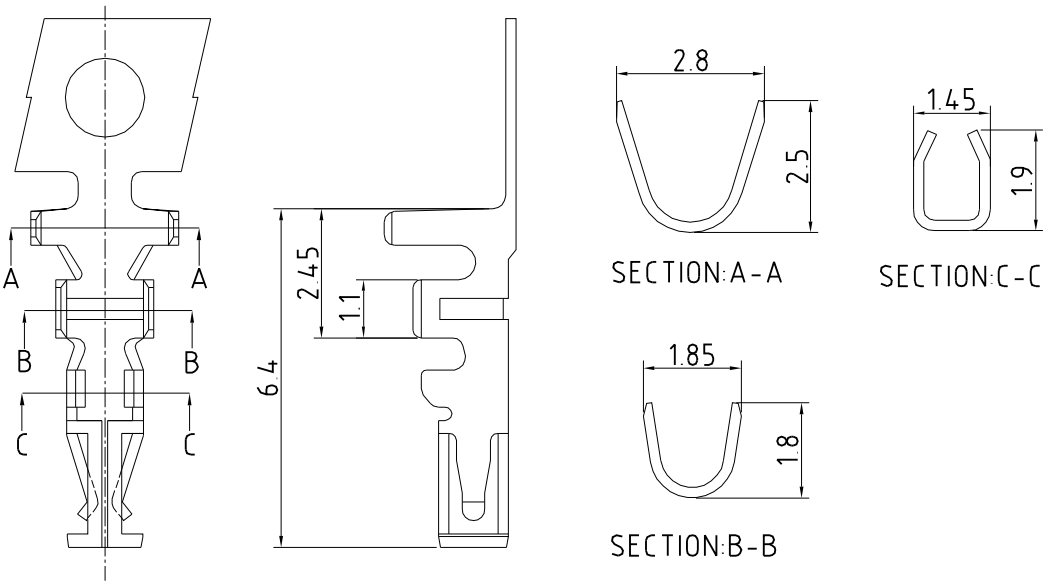
Note:

For this product in a different specification please contact TYU for more information

Terminal

Features

Use with: TU2008 or TU2028 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU2008TPO-2*	AWG #22-#28	1.50mm(MAX.)	Phosphor bronze	See note	10,000 pcs

Note:

For this product in a different specification please contact TYU for more information

TU2008 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Housing

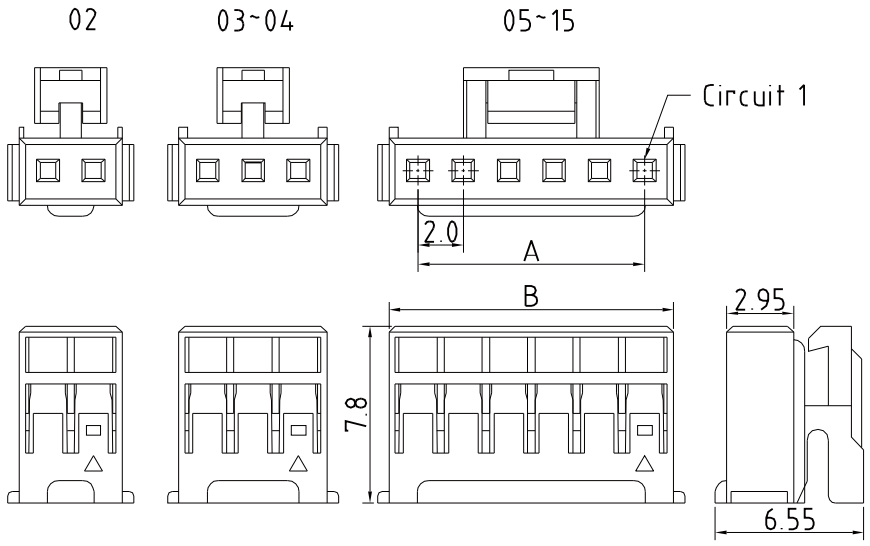
Features

Available Number of Circuits: 02 - 16

Material: Regular Thermoplastic 94V-0

Use with: TU2008 Crimp Terminal

Mates with : TY2008 Series Housing or TU2008 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2008HNO-02	2.00	4.60
3	TU2008HNO-03	4.00	6.60
4	TU2008HNO-04	6.00	8.60
5	TU2008HNO-05	8.00	10.60
6	TU2008HNO-06	10.00	12.60
7	TU2008HNO-07	12.00	14.60
8	TU2008HNO-08	14.00	16.60
9	TU2008HNO-09	16.00	18.60
10	TU2008HNO-10	18.00	20.60
11	TU2008HNO-11	20.00	22.60
12	TU2008HNO-12	22.00	24.60
13	TU2008HNO-13	24.00	26.60
14	TU2008HNO-14	26.00	28.60
15	TU2008HNO-15	28.00	30.60
16	TU2008HNO-16	30.00	32.60

TU2008 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical

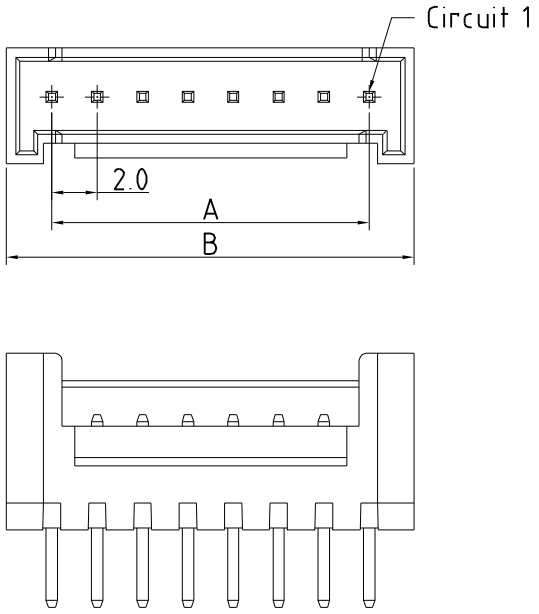
Features

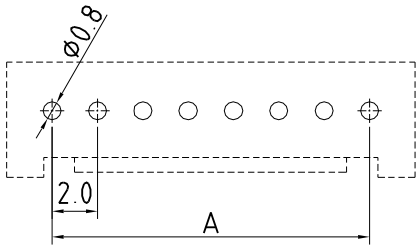
Available Number of Circuits : 02-16

Material : Regular Thermoplastic 94V-0

Contact : 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2008 Series Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2008WNV-02-*-*	2.00	6.00
3	TU2008WNV-03-*-*	4.00	8.00
4	TU2008WNV-04-*-*	6.00	10.00
5	TU2008WNV-05-*-*	8.00	12.00
6	TU2008WNV-06-*-*	10.00	14.00
7	TU2008WNV-07-*-*	12.00	16.00
8	TU2008WNV-08-*-*	14.00	18.00
9	TU2008WNV-09-*-*	16.00	20.00
10	TU2008WNV-10-*-*	18.00	22.00
11	TU2008WNV-11-*-*	20.00	24.00
12	TU2008WNV-12-*-*	22.00	26.00
13	TU2008WNV-13-*-*	24.00	28.00
14	TU2008WNV-14-*-*	26.00	30.00
15	TU2008WNV-15-*-*	28.00	32.00
16	TU2008WNV-16-*-*	30.00	34.00

Wafer Right Angle

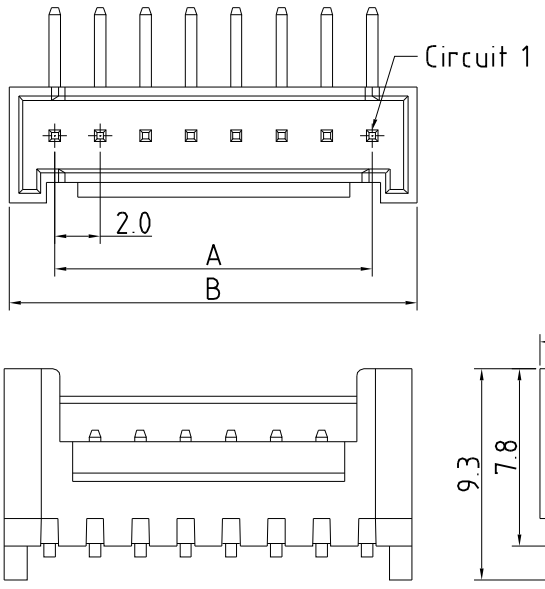
Features

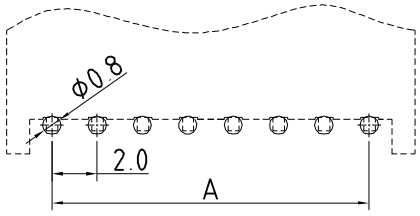
Available Number of Circuits : 02-16

Material : Regular Thermoplastic 94V-0

Contact : 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2008 Series Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2008WNR-02-*-*	2.00	6.00
3	TU2008WNR-03-*-*	4.00	8.00
4	TU2008WNR-04-*-*	6.00	10.00
5	TU2008WNR-05-*-*	8.00	12.00
6	TU2008WNR-06-*-*	10.00	14.00
7	TU2008WNR-07-*-*	12.00	16.00
8	TU2008WNR-08-*-*	14.00	18.00
9	TU2008WNR-09-*-*	16.00	20.00
10	TU2008WNR-10-*-*	18.00	22.00
11	TU2008WNR-11-*-*	20.00	24.00
12	TU2008WNR-12-*-*	22.00	26.00
13	TU2008WNR-13-*-*	24.00	28.00
14	TU2008WNR-14-*-*	26.00	30.00
15	TU2008WNR-15-*-*	28.00	32.00
16	TU2008WNR-16-*-*	30.00	34.00

TU2008 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical SMT Type

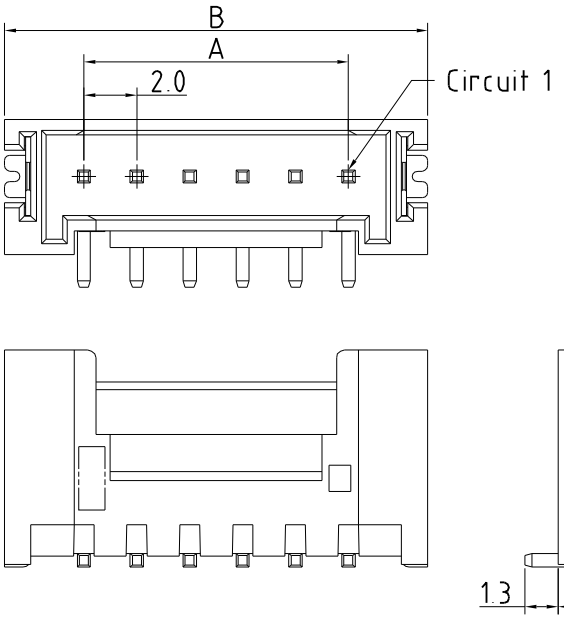
Features

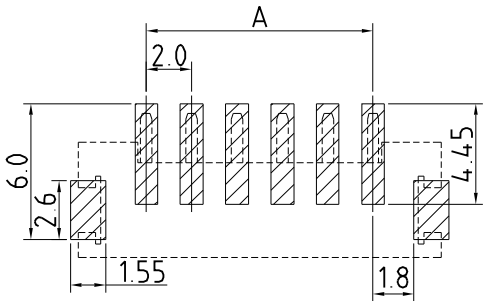
Available Number of Circuits : 02-16

Material : High Temperature Thermoplastic 94V-0

Contact : 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2008 Series Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2008WNV-0270-*0*	2.00	8.00
3	TU2008WNV-0370-*0*	4.00	10.00
4	TU2008WNV-0470-*0*	6.00	12.00
5	TU2008WNV-0570-*0*	8.00	14.00
6	TU2008WNV-0670-*0*	10.00	16.00
7	TU2008WNV-0770-*0*	12.00	18.00
8	TU2008WNV-0870-*0*	14.00	20.00
9	TU2008WNV-0970-*0*	16.00	22.00
10	TU2008WNV-1070-*0*	18.00	24.00
11	TU2008WNV-1170-*0*	20.00	26.00
12	TU2008WNV-1270-*0*	22.00	28.00
13	TU2008WNV-1370-*0*	24.00	30.00
14	TU2008WNV-1470-*0*	26.00	32.00
15	TU2008WNV-1570-*0*	28.00	34.00
16	TU2008WNV-1670-*0*	30.00	36.00

Wafer Right Angle SMT Type

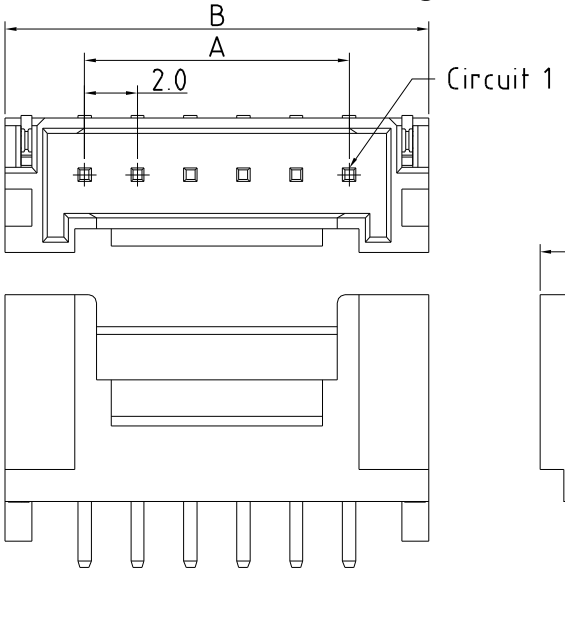
Features

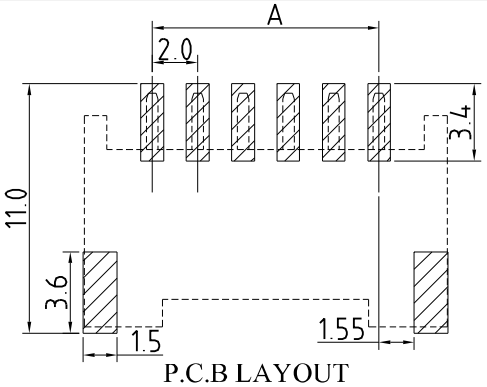
Available Number of Circuits : 02-16

Material : Regular Thermoplastic 94V-0

Contact : 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2008 Series Housing





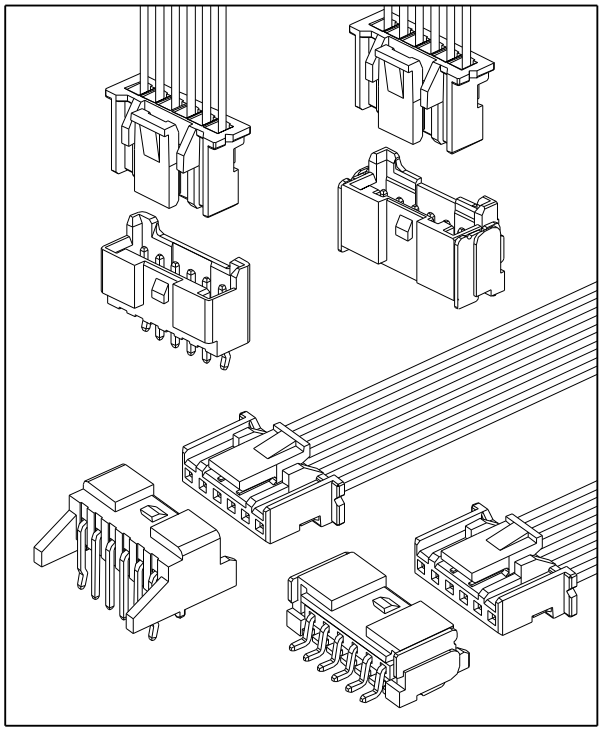
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2008WNR-0250-*0*	2.00	8.00
3	TU2008WNR-0350-*0*	4.00	10.00
4	TU2008WNR-0450-*0*	6.00	12.00
5	TU2008WNR-0550-*0*	8.00	14.00
6	TU2008WNR-0650-*0*	10.00	16.00
7	TU2008WNR-0750-*0*	12.00	18.00
8	TU2008WNR-0850-*0*	14.00	20.00
9	TU2008WNR-0950-*0*	16.00	22.00
10	TU2008WNR-1050-*0*	18.00	24.00
11	TU2008WNR-1150-*0*	20.00	26.00
12	TU2008WNR-1250-*0*	22.00	28.00
13	TU2008WNR-1350-*0*	24.00	30.00
14	TU2008WNR-1450-*0*	26.00	32.00
15	TU2008WNR-1550-*0*	28.00	34.00
16	TU2008WNR-1650-*0*	30.00	36.00

TU2011 SERIES

2.00mm Pitch Wire To Board Connector



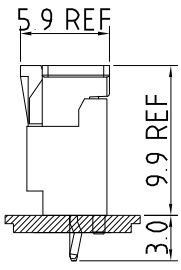
Specification

Circuits	02 - 16
Pitch	2.00mm
Current Rating	3A AC/DC (AWG#22-24)
	1A AC/DC (AWG#26-28)
Voltage Rating	250V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	800V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #22 - #28
Applicable P.C.B Thickness	1.6mm
Applicable P.C.B Hole Dia.	Ø0.8mm ± 0.05

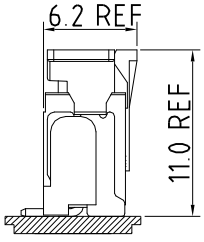
Assembly Layout

Vertical Type

DIP-Type

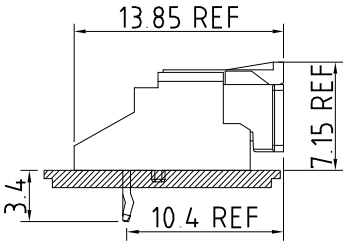


SMT-Type

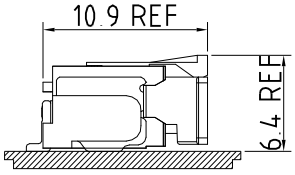


Right Angle Type

DIP-Type



SMT-Type



TU2011 * - NP * - * - * - *
① ② ③ ④ ⑤ ⑥ ⑦

① Part No. TU2011	④ Mount Type S : SMT-Type Wafer SF : SMT-Type Wafer With Post	⑥ Contact Blank : As Specified SP: Square Pin
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer	⑤ Contact Plating Code Blank : As Specified GO : Gold-flash over Nickel	⑦ Product Color Blank : As Specified C* : Color of number
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU2011 SERIES

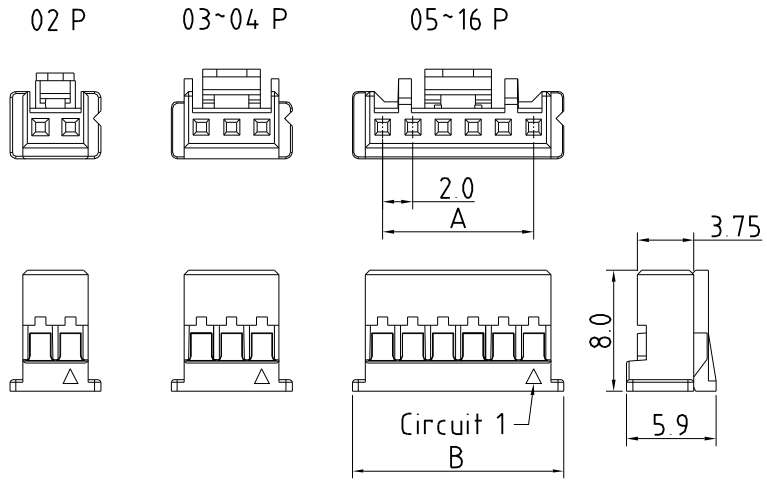
2.00mm Pitch Wire To Board Connector

Unit : mm

Housing

Features

Available Number of Circuits : 02 - 16
Material : Regular Thermoplastic 94V-0
Use with : TU2005 Crimp Terminal
Mates with : TU2011 Series Wafer



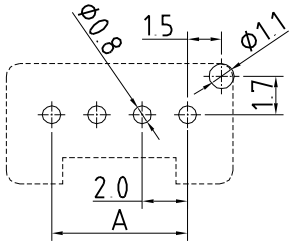
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2011HNO-02	2.00	6.00
3	TU2011HNO-03	4.00	8.00
4	TU2011HNO-04	6.00	10.00
5	TU2011HNO-05	8.00	12.00
6	TU2011HNO-06	10.00	14.00
7	TU2011HNO-07	12.00	16.00
8	TU2011HNO-08	14.00	18.00
9	TU2011HNO-09	16.00	20.00
10	TU2011HNO-10	18.00	22.00
11	TU2011HNO-11	20.00	24.00
12	TU2011HNO-12	22.00	26.00
13	TU2011HNO-13	24.00	28.00
14	TU2011HNO-14	26.00	30.00
15	TU2011HNO-15	28.00	32.00
16	TU2011HNO-16	30.00	34.00

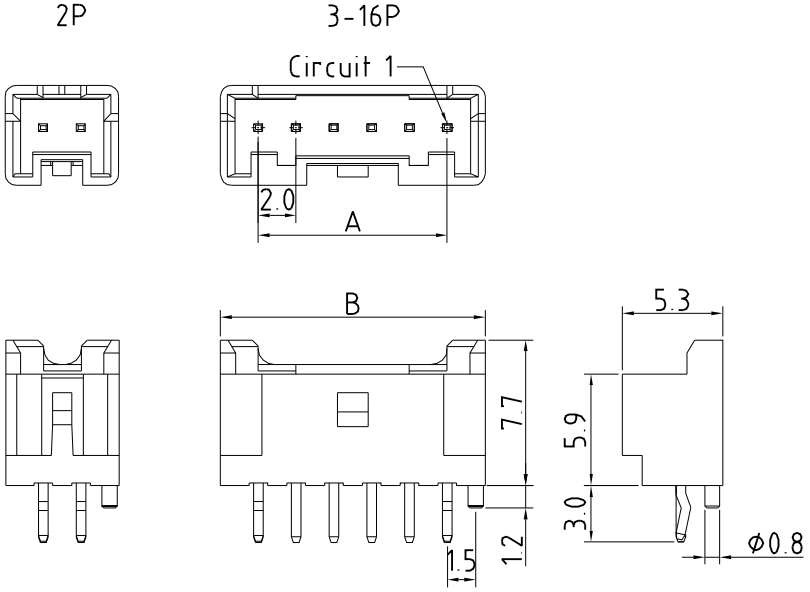
Wafer Vertical

Features

Available Number of Circuits : 02 - 16
Material : Regular Thermoplastic 94V-0
Contact : 0.5mm(.020") Copper Alloy, Tin-plated
Mates with : TU2011 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2011WNV-02	2.00	6.00
3	TU2011WNV-03	4.00	8.00
4	TU2011WNV-04	6.00	10.00
5	TU2011WNV-05	8.00	12.00
6	TU2011WNV-06	10.00	14.00
7	TU2011WNV-07	12.00	16.00
8	TU2011WNV-08	14.00	18.00
9	TU2011WNV-09	16.00	20.00
10	TU2011WNV-10	18.00	22.00
11	TU2011WNV-11	20.00	24.00
12	TU2011WNV-12	22.00	26.00
13	TU2011WNV-13	24.00	28.00
14	TU2011WNV-14	26.00	30.00
15	TU2011WNV-15	28.00	32.00
16	TU2011WNV-16	30.00	34.00

TU2011 SERIES

2.0mm Pitch Wire To Board Connector

Wafer Right Angle

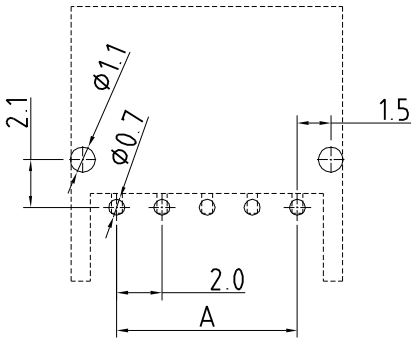
Features

Available Number of Circuits : 02 - 16

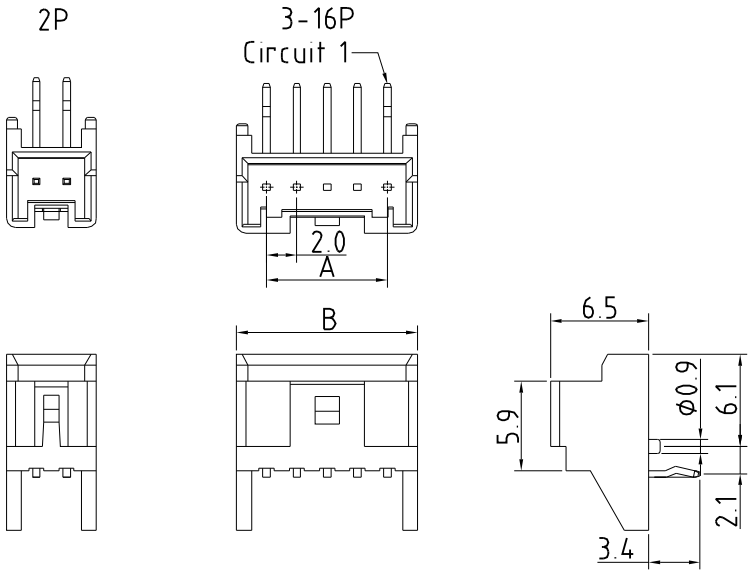
Material : Regular Thermoplastic 94V-0

Contact : 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2011 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2011WNR-02	2.00	5.96
3	TU2011WNR-03	4.00	7.96
4	TU2011WNR-04	6.00	9.96
5	TU2011WNR-05	8.00	11.96
6	TU2011WNR-06	10.00	13.96
7	TU2011WNR-07	12.00	15.96
8	TU2011WNR-08	14.00	17.96
9	TU2011WNR-09	16.00	19.96
10	TU2011WNR-10	18.00	21.96
11	TU2011WNR-11	20.00	23.96
12	TU2011WNR-12	22.00	25.96
13	TU2011WNR-13	24.00	27.96
14	TU2011WNR-14	26.00	29.96
15	TU2011WNR-15	28.00	31.96
16	TU2011WNR-16	30.00	33.96

TU2011 SERIES

2.0mm Pitch Wire To Board Connector

Wafer — Vertical SMT Post Type

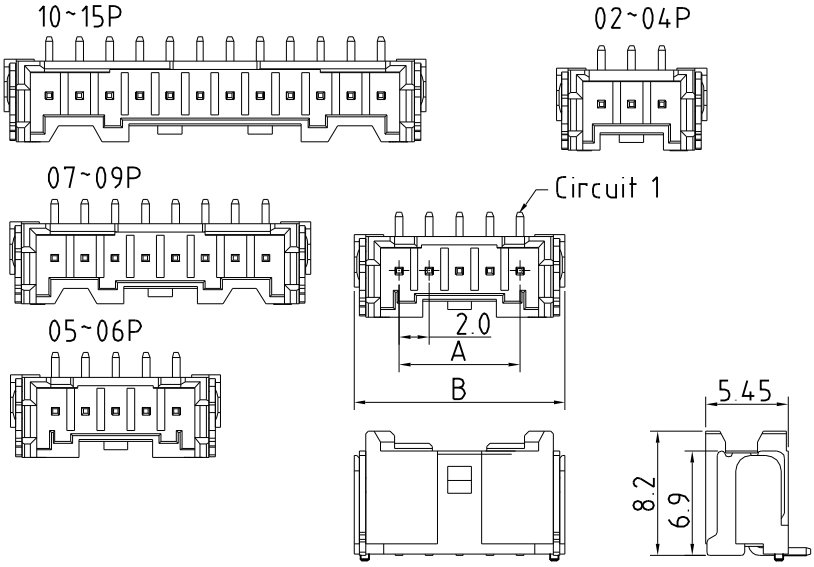
Features

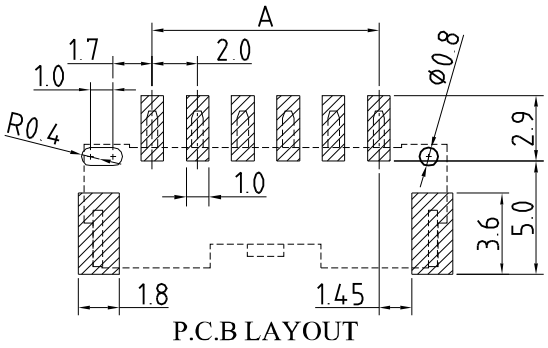
Available Number of Circuits : 02 - 15

Material : High Temperature Thermoplastic 94V-0

Contact: 0.5mm(.020") Copper Alloy, Matte-Tin

Mates with : TU2011 Series Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm) A	DIM.(mm) B
2	TU2011WNV-02SF-*-SP-*	2.00	8.00
3	TU2011WNV-03SF-*-SP-*	4.00	10.00
4	TU2011WNV-04SF-*-SP-*	6.00	12.00
5	TU2011WNV-05SF-*-SP-*	8.00	14.00
6	TU2011WNV-06SF-*-SP-*	10.00	16.00
7	TU2011WNV-07SF-*-SP-*	12.00	18.00
8	TU2011WNV-08SF-*-SP-*	14.00	20.00
9	TU2011WNV-09SF-*-SP-*	16.00	22.00
10	TU2011WNV-10SF-*-SP-*	18.00	24.00
11	TU2011WNV-11SF-*-SP-*	20.00	26.00
12	TU2011WNV-12SF-*-SP-*	22.00	28.00
13	TU2011WNV-13SF-*-SP-*	24.00	30.00
14	TU2011WNV-14SF-*-SP-*	26.00	32.00
15	TU2011WNV-15SF-*-SP-*	28.00	34.00

Wafer — Vertical SMT Type

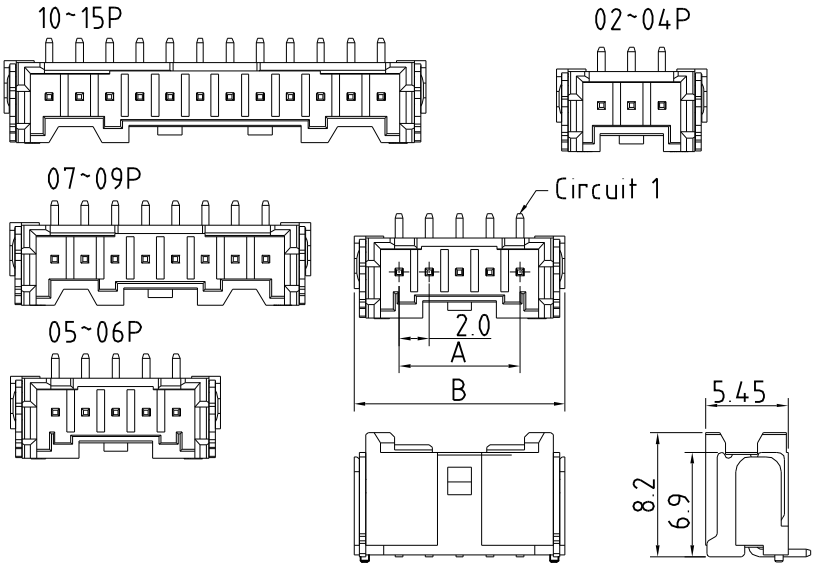
Features

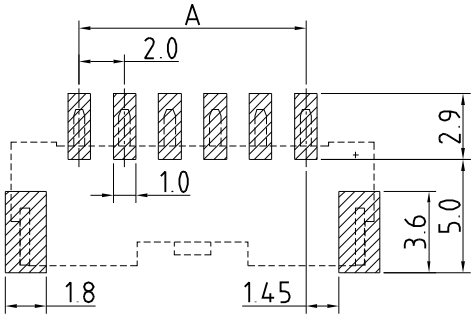
Available Number of Circuits : 02 - 15

Material : High Temperature Thermoplastic 94V-0

Contact: 0.5mm(.020") Copper Alloy, Matte-Tin

Mates with : TU2011 Series Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm) A	DIM.(mm) B
2	TU2011WNV-02S-*-SP-*	2.00	8.00
3	TU2011WNV-03S-*-SP-*	4.00	10.00
4	TU2011WNV-04S-*-SP-*	6.00	12.00
5	TU2011WNV-05S-*-SP-*	8.00	14.00
6	TU2011WNV-06S-*-SP-*	10.00	16.00
7	TU2011WNV-07S-*-SP-*	12.00	18.00
8	TU2011WNV-08S-*-SP-*	14.00	20.00
9	TU2011WNV-09S-*-SP-*	16.00	22.00
10	TU2011WNV-10S-*-SP-*	18.00	24.00
11	TU2011WNV-11S-*-SP-*	20.00	26.00
12	TU2011WNV-12S-*-SP-*	22.00	28.00
13	TU2011WNV-13S-*-SP-*	24.00	30.00
14	TU2011WNV-14S-*-SP-*	26.00	32.00
15	TU2011WNV-15S-*-SP-*	28.00	34.00

TU2011 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer — Right Angle SMT Type

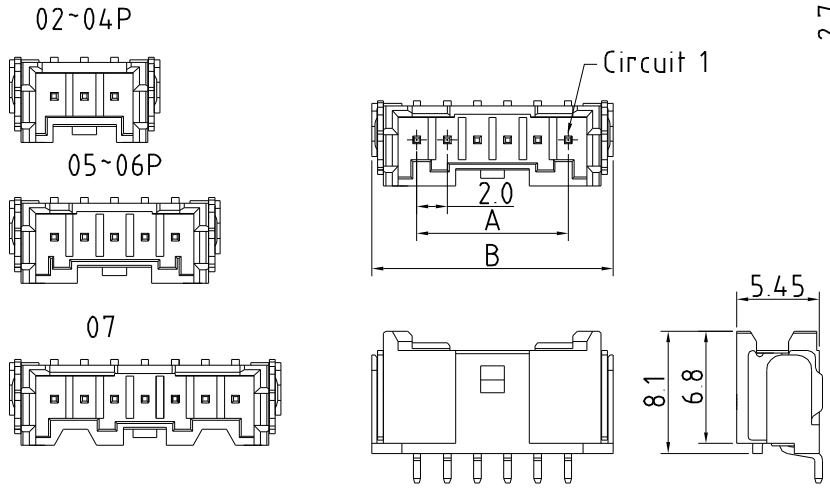
Features

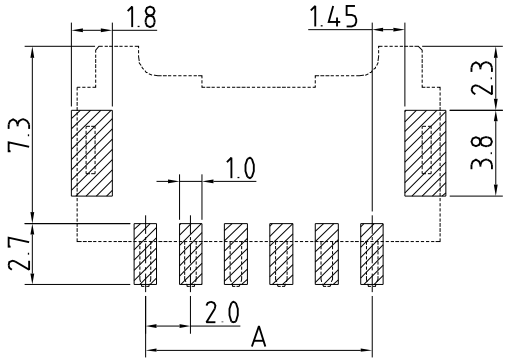
Available Number of Circuits : 02 - 07

Material : High Temperature Thermoplastic 94V-0

Contact: 0.5mm(.020") Copper Alloy, Matte-Tin

Mates with : TU2011 Series Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2011WNR-02S-*-SP-*	2.00	8.00
3	TU2011WNR-03S-*-SP-*	4.00	10.00
4	TU2011WNR-04S-*-SP-*	6.00	12.00
5	TU2011WNR-05S-*-SP-*	8.00	14.00
6	TU2011WNR-06S-*-SP-*	10.00	16.00
7	TU2011WNR-07S-*-SP-*	12.00	18.00

Wafer — Right Angle SMT Type

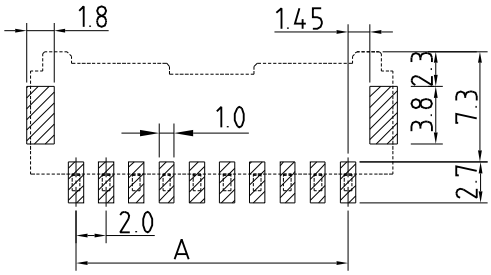
Features

Available Number of Circuits : 08 - 15

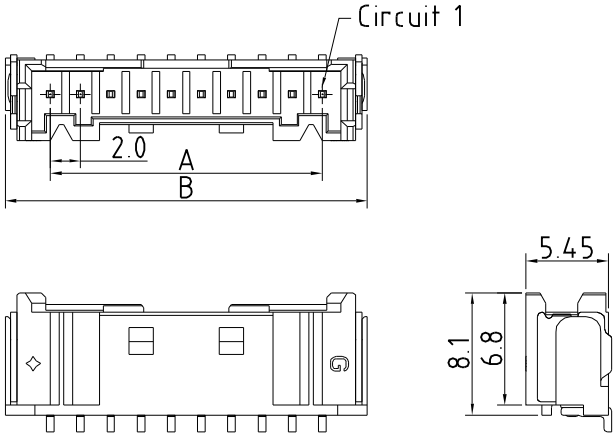
Material : High Temperature Thermoplastic 94V-0

Contact: 0.5mm(.020") Copper Alloy, Matte-Tin

Mates with : TU2011 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
8	TU2011WNR-08S-*-*	14.00	20.00
9	TU2011WNR-09S-*-*	16.00	22.00
10	TU2011WNR-10S-*-*	18.00	24.00
11	TU2011WNR-11S-*-*	20.00	26.00
12	TU2011WNR-12S-*-*	22.00	28.00
13	TU2011WNR-13S-*-*	24.00	30.00
14	TU2011WNR-14S-*-*	26.00	32.00
15	TU2011WNR-15S-*-*	28.00	34.00

TU2011 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer

Right Angle SMT Post Type

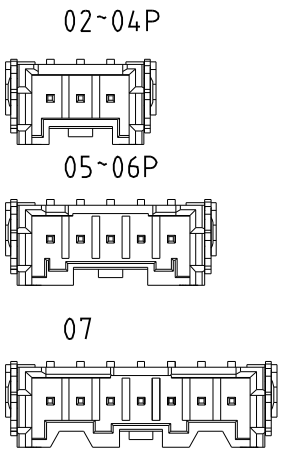
Features

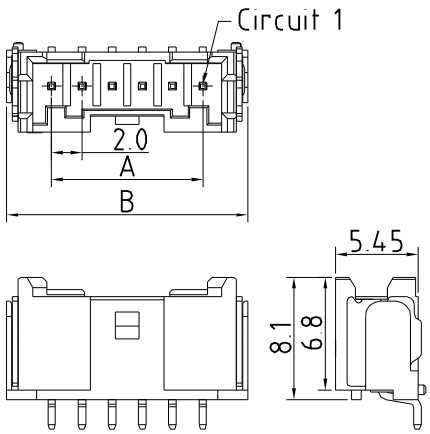
Available Number of Circuits : 02 - 07

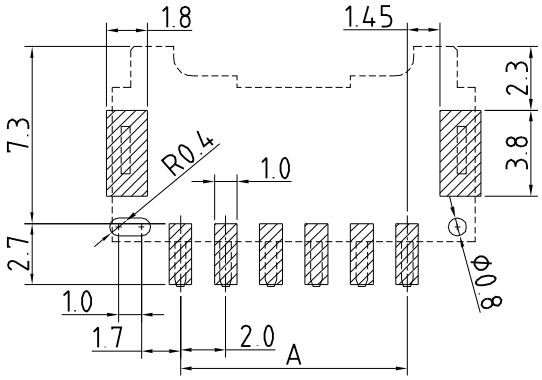
Material : High Temperature Thermoplastic 94V-0

Contact: 0.5mm(.020") Copper Alloy, Matte-Tin

Mates with : TU2011 Series Housing







P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2011WNR-02SF-*-SP-*	2.00	8.00
3	TU2011WNR-03SF-*-SP-*	4.00	10.00
4	TU2011WNR-04SF-*-SP-*	6.00	12.00
5	TU2011WNR-05SF-*-SP-*	8.00	14.00
6	TU2011WNR-06SF-*-SP-*	10.00	16.00
7	TU2011WNR-07SF-*-SP-*	12.00	18.00

Wafer

Right Angle SMT Post Type

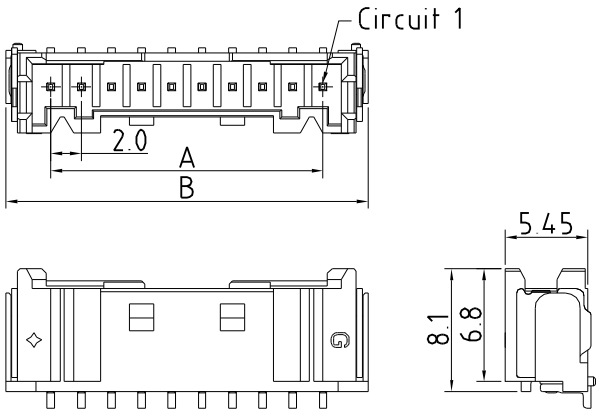
Features

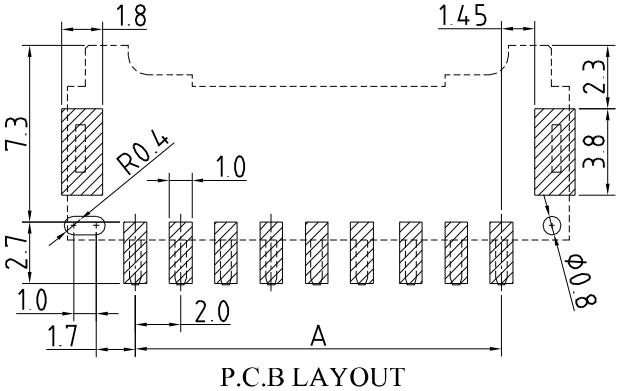
Available Number of Circuits : 08 - 15

Material : High Temperature Thermoplastic 94V-0

Contact: 0.5mm(.020") Copper Alloy, Matte-Tin

Mates with : TU2011 Series Housing





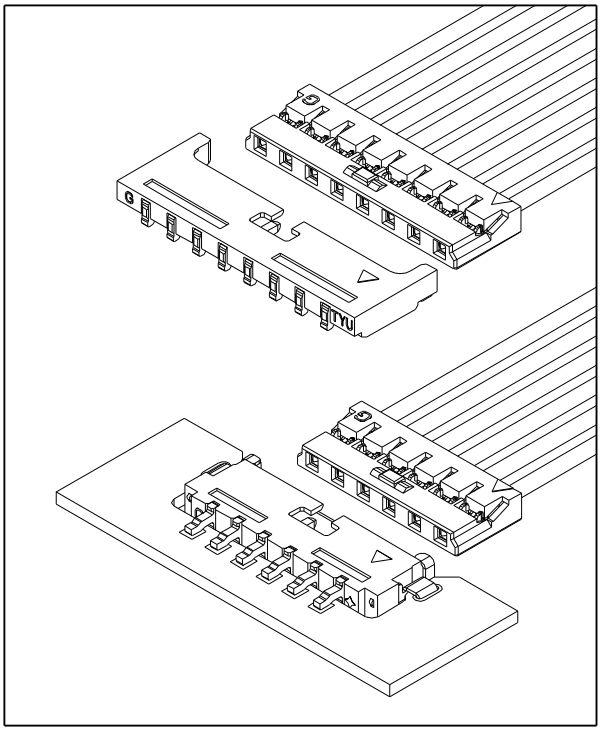
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
8	TU2011WNR-08SF-*-*	14.00	20.00
9	TU2011WNR-09SF-*-*	16.00	22.00
10	TU2011WNR-10SF-*-*	18.00	24.00
11	TU2011WNR-11SF-*-*	20.00	26.00
12	TU2011WNR-12SF-*-*	22.00	28.00
13	TU2011WNR-13SF-*-*	24.00	30.00
14	TU2011WNR-14SF-*-*	26.00	32.00
15	TU2011WNR-15SF-*-*	28.00	34.00

TU2013 SERIES

2.00mm Pitch Wire To Board Connector

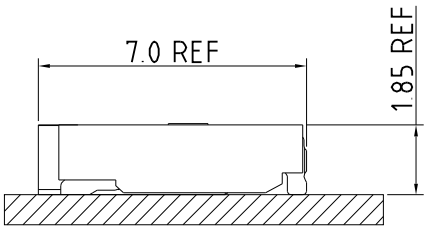


Specification

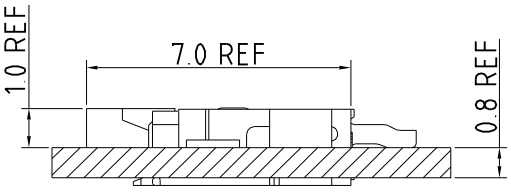
Circuits	02 - 12
Pitch	2.00mm
Current Rating	4.0A AC/DC (AWG#24)
	3.5A AC/DC (AWG#26)
	2.8A AC/DC (AWG#28)
Voltage Rating	50V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #24 - #28

Assembly Layout

Right Angle SMT Type



Right Angle SMT Type
Inside Type



TU2013 * - NP* - *
① ② ③④ ⑤

① Part No. TU2013	④ Mount Type S : SMT-Type Wafer SI : SMT Inside Type Wafer	
② Connection Type: HNO : Terminal Socket WNR : Right Angle Wafer		
③ Number of Contacts: NP : Circuits	⑤ Contact Plating Code Blank : As Specified GO : Gold-flash over Nickel	

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU2013 SERIES

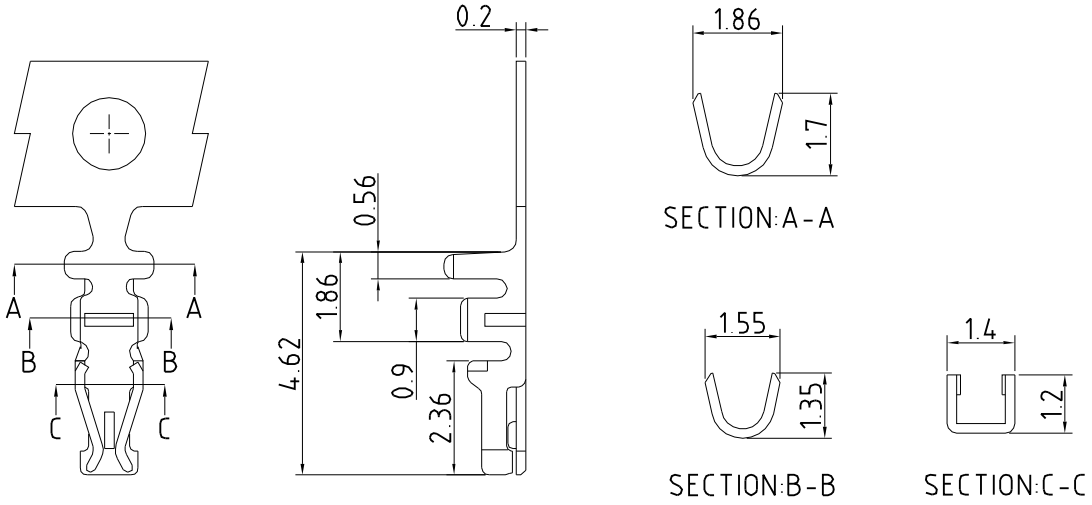
2.00mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU2013 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU2013TPO-*	AWG #24-#28	1.20mm(MAX.)	Phosphor bronze	See note	12,000 pcs

Note:

For this product in a different specification please contact TYU for more information

Housing

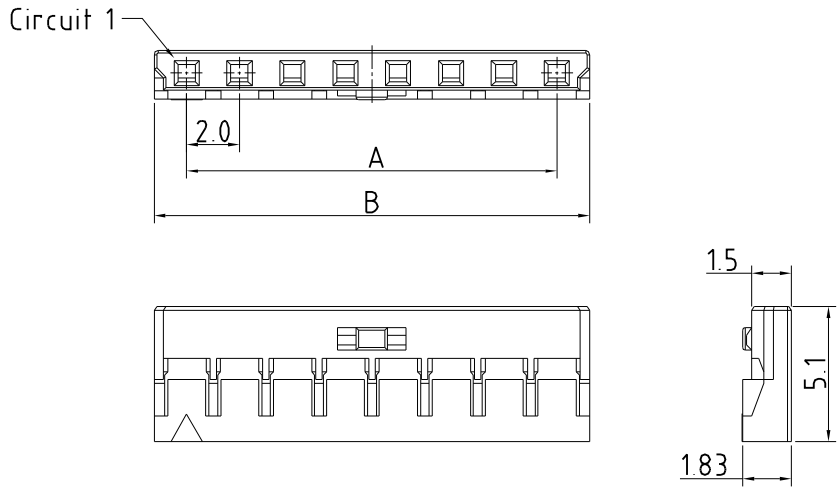
Features

Available Number of Circuits : 02 - 12

Material : Regular Thermoplastic 94V-0

Use with : TU2013 Crimp Terminal

Mates with : TU2013 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2013HNO-02	2.00	4.46
3	TU2013HNO-03	4.00	6.46
4	TU2013HNO-04	6.00	8.46
5	TU2013HNO-05	8.00	10.46
6	TU2013HNO-06	10.00	12.46
7	TU2013HNO-07	12.00	14.46
8	TU2013HNO-08	14.00	16.46
9	TU2013HNO-09	16.00	18.46
10	TU2013HNO-10	18.00	20.46
11	TU2013HNO-11	20.00	22.46
12	TU2013HNO-12	22.00	24.46

TU2013 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer Right Angle SMT Type

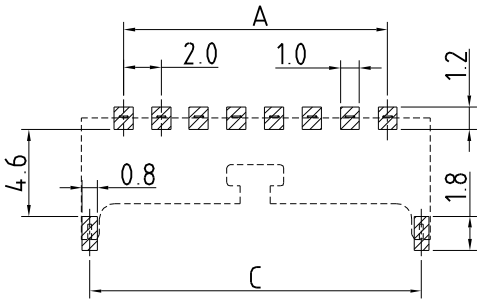
Features

Available Number of Circuits : 02 - 12

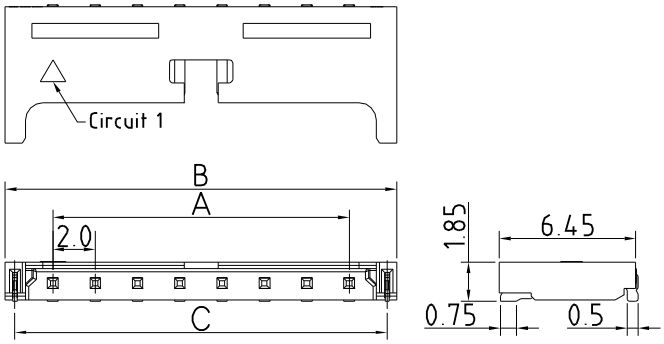
Material : High Temperature Thermoplastic 94V-0

Contact : 0.5mm(.020") Copper Alloy , Tin-plated

Mates with : TU2013 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
2	TU2013WNR-02S-*-*	2.00	6.50	5.60
3	TU2013WNR-03S-*-*	4.00	8.50	7.60
4	TU2013WNR-04S-*-*	6.00	10.50	9.60
5	TU2013WNR-05S-*-*	8.00	12.50	11.60
6	TU2013WNR-06S-*-*	10.00	14.50	13.60
7	TU2013WNR-07S-*-*	12.00	16.50	15.60
8	TU2013WNR-08S-*-*	14.00	18.50	17.60
9	TU2013WNR-09S-*-*	16.00	20.50	19.60
10	TU2013WNR-10S-*-*	18.00	22.50	21.60
11	TU2013WNR-11S-*-*	20.00	24.50	23.60
12	TU2013WNR-12S-*-*	22.00	26.50	25.60

Wafer Right Angle SMT Inside Type

Features

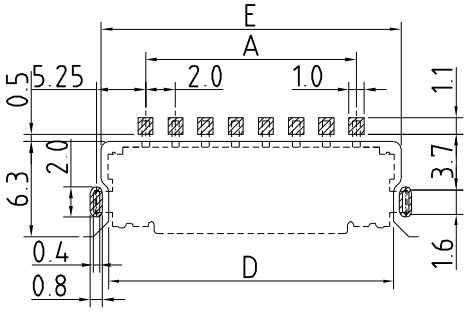
Available Number of Circuits : 06 - 10

Material : High Temperature Thermoplastic 94V-0

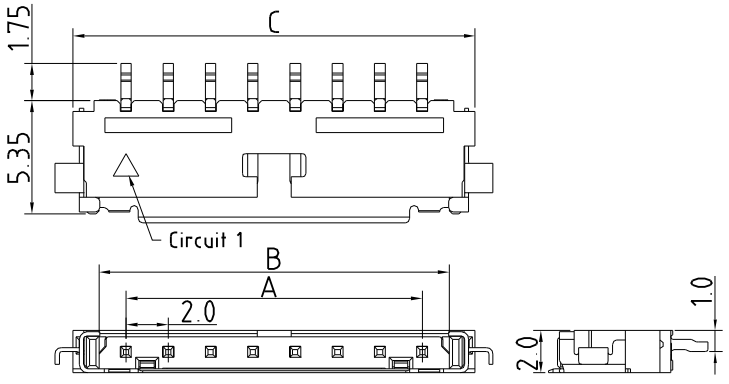
Contact : 0.5mm(.020") Copper Alloy , Tin-plated

Shell : Copper Alloy

Mates with : TU2013 Series Housing



P.C.B LAYOUT

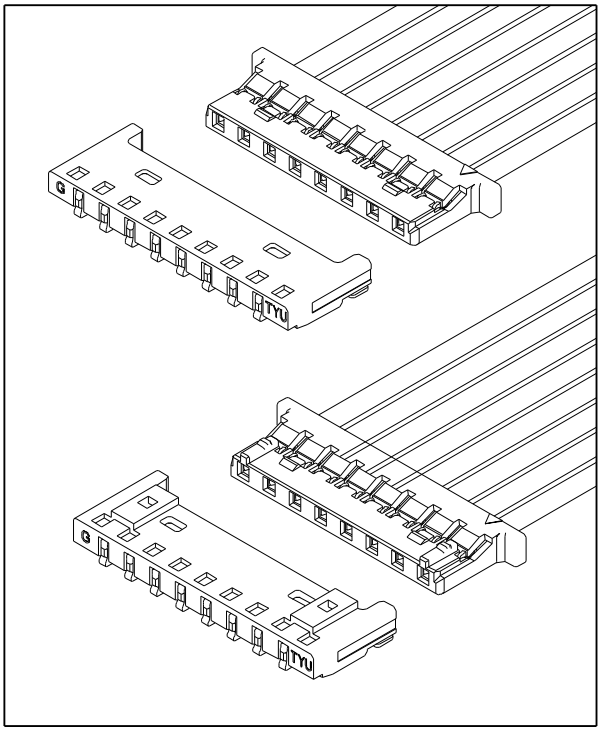


Dimension and Order Information

Circuits	Part No.	DIM.(mm)			
		A	B	C	D
6	TU2013WNR-06SI-*-*	10.00	12.55	15.00	14.90
7	TU2013WNR-07SI-*-*	12.00	14.55	17.00	16.90
8	TU2013WNR-08SI-*-*	14.00	16.55	19.00	18.90
9	TU2013WNR-09SI-*-*	16.00	18.55	21.00	20.90
10	TU2013WNR-10SI-*-*	18.00	20.55	23.00	22.90

TU2015 SERIES

2.00mm Pitch Wire To Board Connector



Specification

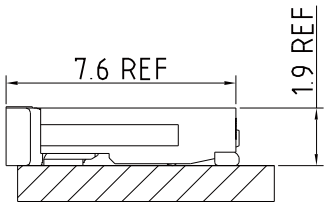
Circuits	02 - 12
Pitch	2.00mm
Current Rating	5.1A AC/DC (AWG#22) 4.5A AC/DC (AWG#24) 3.6A AC/DC (AWG#26) 2.0A AC/DC (AWG#28) 1.0A AC/DC (AWG#30)
Voltage Rating	50V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-40°C ~ +105°C
Applicable Wire Range	AWG #22 ~ #30

TU2015

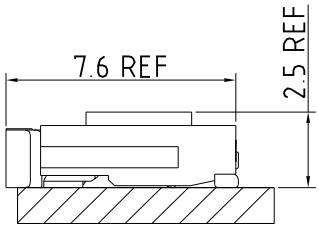
Assembly Layout

Right Angle SMT Type

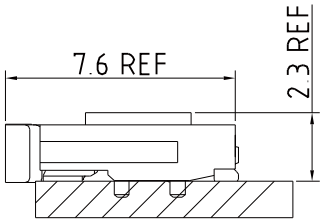
Height 1.9mm
MATES WITH: TU2015HNO-NPA



Height 2.5mm
MATES WITH: TU2015HNO-NPB



Height 2.3mm
MATES WITH: TU2015HNO-NPB



TU2015 * - NP *- * * *
① ② ③ ④ ⑤⑥⑦

① Part No. TU2015	④ Mount Type 51: SMT-Type Wafer(Height 1.9mm) 52: SMT-Type Wafer(Height 2.5mm) 53: SMT-Type Wafer(Height 2.3mm) A: A-Type Housing B: B-Type Housing	⑥ Mount Type 0: As Specified
② Connection Type: HNO : Terminal Socket WGR : High Current Right Angle Wafer		⑦ Product Color 0: Black
③ Number of Contacts: NP : Circuits	⑤ Contact Plating Code 0: Gold-flash over Nickel	

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU2015 SERIES

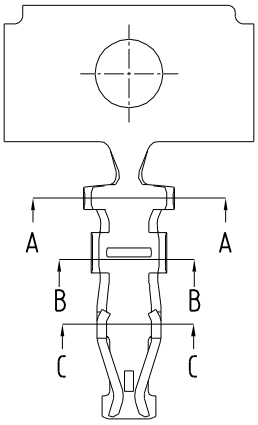
2.00mm Pitch Wire To Board Connector

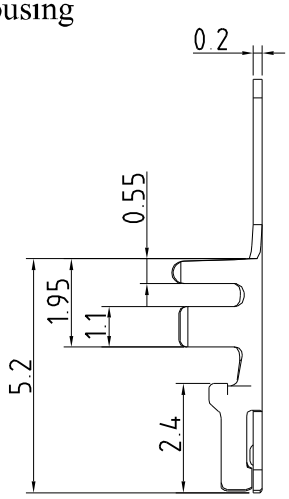
Terminal

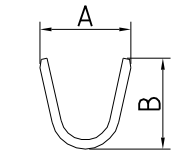
Unit : mm

Features

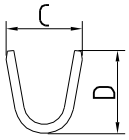
Use with: TU2015 Series Housing



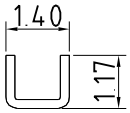




SECTION:A-A



SECTION:B-B



SECTION:C-C

CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TU2015TPH-*	AWG #22-#26	Ø0.5~1.2mm	2.0	2.0	1.7	1.8	Phosphor bronze	See note	10,000 pcs
TU2015TGL-*	AWG #26-#30	Ø0.5~0.9mm	2.0	2.0	1.4	1.2	High current		
TU2015TPH-*	AWG #22-#26	Ø0.5~1.2mm	2.0	2.0	1.7	1.8	Phosphor bronze		
TU2015TGL-*	AWG #26-#30	Ø0.5~0.9mm	2.0	2.0	1.4	1.2	High current		

Note:

For this product in a different specification please contact TYU for more information

TU2015 SERIES

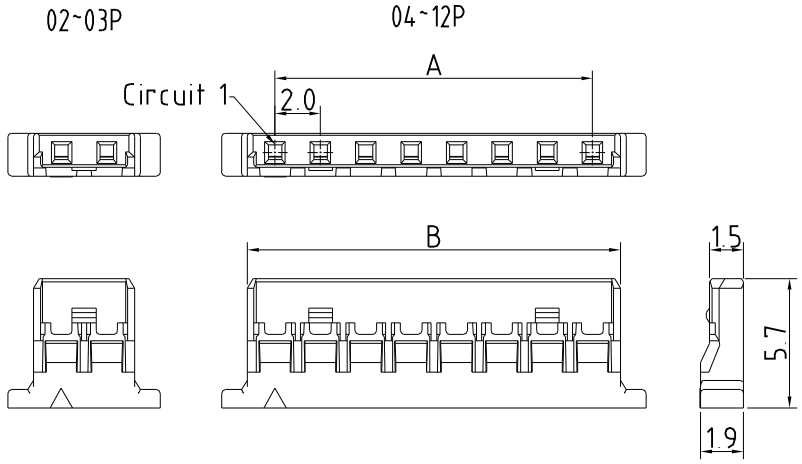
2.00mm Pitch Wire To Board Connector

Unit : mm

Housing

Features

Available Number of Circuits : 02 ~ 12
Material : Regular Thermoplastic 94V-0
Use with : TU2015 Crimp Terminal
Mates with : TU2015WGR-NP51-*0* Series Wafer



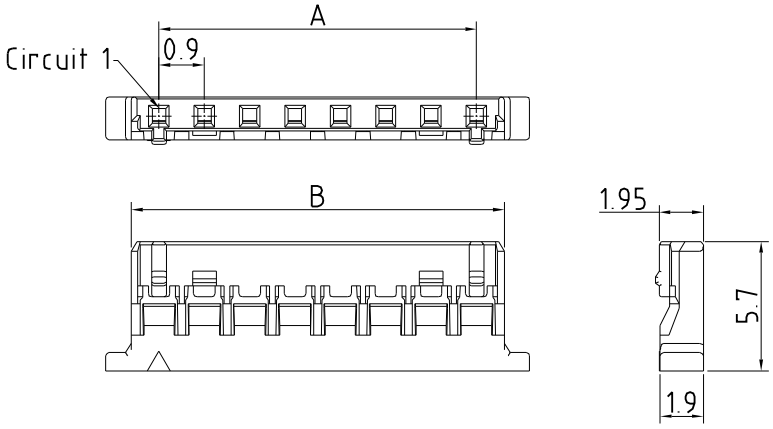
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2015HNO-02A	2.00	4.46
3	TU2015HNO-03A	4.00	6.46
4	TU2015HNO-04A	6.00	8.46
5	TU2015HNO-05A	8.00	10.46
6	TU2015HNO-06A	10.00	12.46
7	TU2015HNO-07A	12.00	14.46
8	TU2015HNO-08A	14.00	16.46
9	TU2015HNO-09A	16.00	18.46
10	TU2015HNO-10A	18.00	20.46
11	TU2015HNO-11A	20.00	22.46
12	TU2015HNO-12A	22.00	24.46

Housing

Features

Available Number of Circuits : 04 ~ 12
Material : Regular Thermoplastic 94V-0
Use with : TU2015 Crimp Terminal
Mates with : TU2015WXR-NP52-*0* Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2015HNO-04B	6.00	8.46
5	TU2015HNO-05B	8.00	10.46
6	TU2015HNO-06B	10.00	12.46
7	TU2015HNO-07B	12.00	14.46
8	TU2015HNO-08B	14.00	16.46
9	TU2015HNO-09B	16.00	18.46
10	TU2015HNO-10B	18.00	20.46
11	TU2015HNO-11B	20.00	22.46
12	TU2015HNO-12B	22.00	24.46

TU2015 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer Right Angle SMT Type

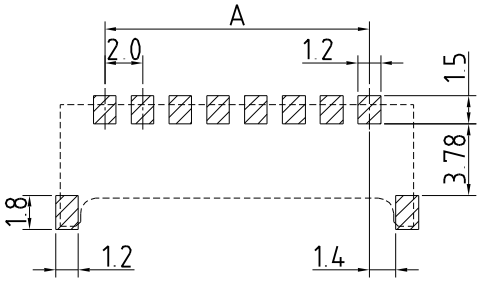
Features

Available Number of Circuits : 02 ~12

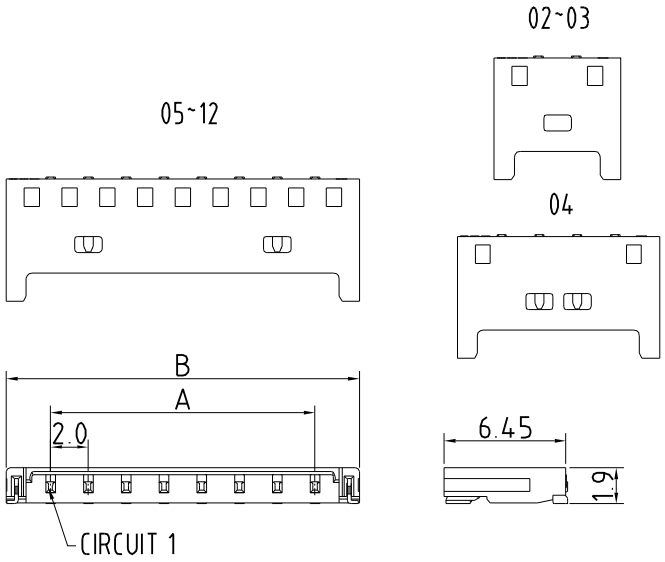
Material : High Temperature Thermoplastic 94V-0

Contact : 0.5mm(.020") Copper alloy, Gold flash

Mates with : TU2015HNO-NPA Series Housing



P.C.B LAYOUT



Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2015WGR-0251-*0*	2.00	6.70
3	TU2015WGR-0351-*0*	4.00	8.70
4	TU2015WGR-0451-*0*	6.00	10.70
5	TU2015WGR-0551-*0*	8.00	12.70
6	TU2015WGR-0651-*0*	10.00	14.70
7	TU2015WGR-0751-*0*	12.00	16.70
8	TU2015WGR-0851-*0*	14.00	18.70
9	TU2015WGR-0951-*0*	16.00	20.70
10	TU2015WGR-1051-*0*	18.00	22.70
11	TU2015WGR-1151-*0*	20.00	24.70
12	TU2015WGR-1251-*0*	22.00	26.70

Wafer Right Angle SMT Type

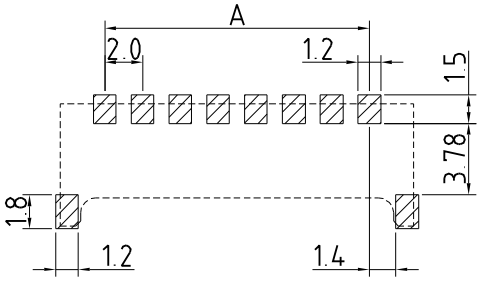
Features

Available Number of Circuits : 04 ~12

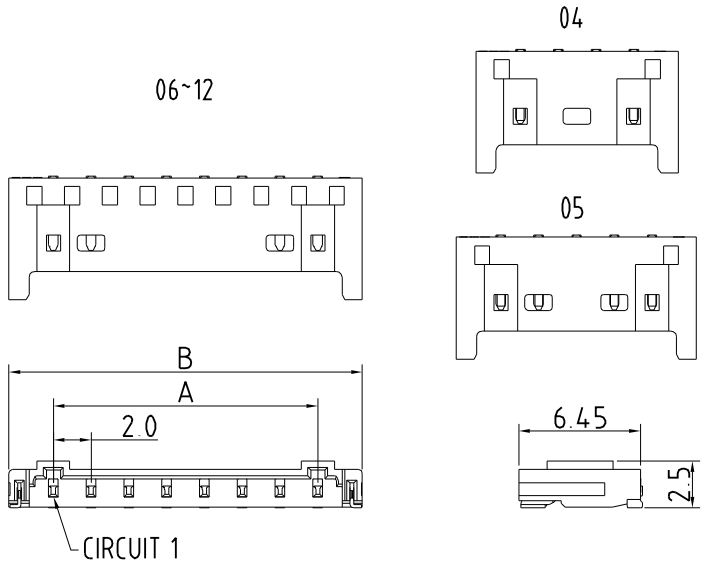
Material : High Temperature Thermoplastic 94V-0

Contact : 0.5mm(.020") Copper alloy, Gold flash

Mates with : TU2015HNO-NPB Series Housing



P.C.B LAYOUT



Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2015WGR-0452-*0*	6.00	10.70
5	TU2015WGR-0552-*0*	8.00	12.70
6	TU2015WGR-0652-*0*	10.00	14.70
7	TU2015WGR-0752-*0*	12.00	16.70
8	TU2015WGR-0852-*0*	14.00	18.70
9	TU2015WGR-0952-*0*	16.00	20.70
10	TU2015WGR-1052-*0*	18.00	22.70
11	TU2015WGR-1152-*0*	20.00	24.70
12	TU2015WGR-1252-*0*	22.00	26.70

TU2015 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer Right Angle SMT Type

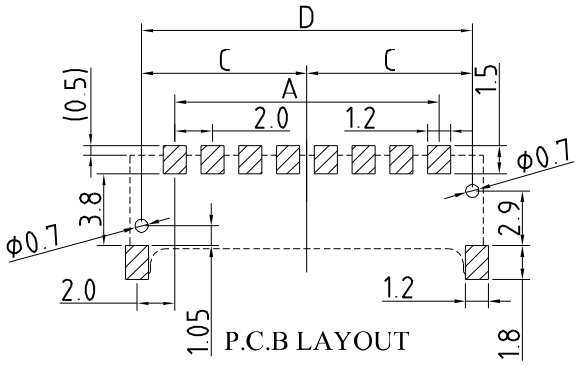
Features

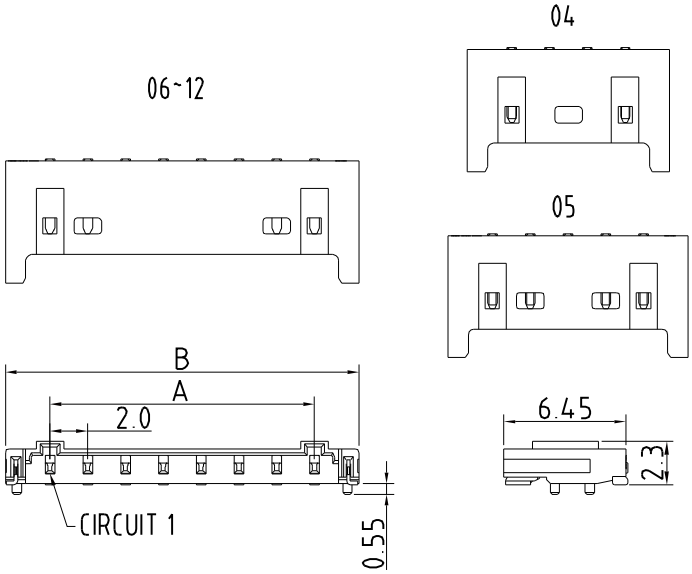
Available Number of Circuits : 04 ~12

Material : High Temperature Thermoplastic 94V-0

Contact : 0.5mm(.020") Copper alloy, Gold flash

Mates with : TU2015HNO-NPB Series Housing

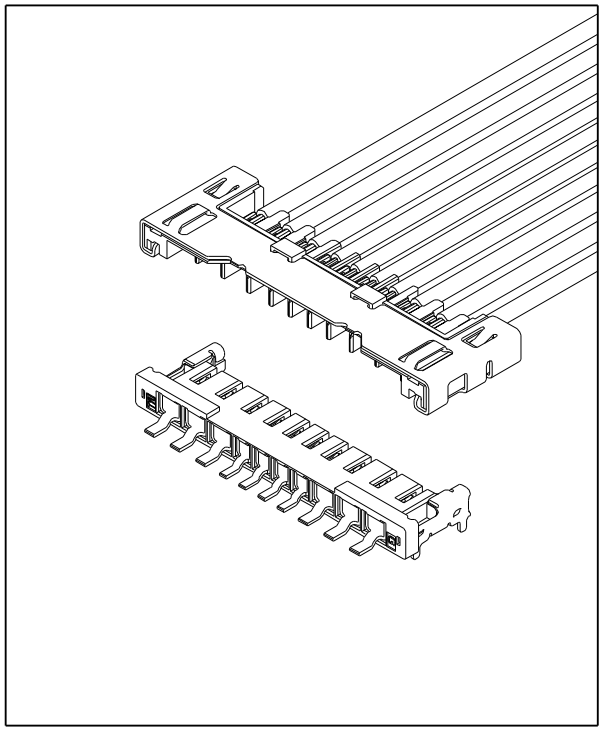




Circuits	Part No.	DIM.(mm)			
		A	B	C	D
4	TU2015WGR-0453-*0*	6.00	10.70	4.75	9.50
5	TU2015WGR-0553-*0*	8.00	12.70	5.75	11.50
6	TU2015WGR-0653-*0*	10.00	14.70	6.75	13.50
7	TU2015WGR-0753-*0*	12.00	16.70	7.75	15.50
8	TU2015WGR-0853-*0*	14.00	18.70	8.75	17.50
9	TU2015WGR-0953-*0*	16.00	20.70	9.75	19.50
10	TU2015WGR-1053-*0*	18.00	22.70	10.75	21.50
11	TU2015WGR-1153-*0*	20.00	24.70	11.75	23.50
12	TU2015WGR-1253-*0*	22.00	26.70	12.75	25.50

TS2016 SERIES

2.00/1.50mm Pitch Wire To Board Connector

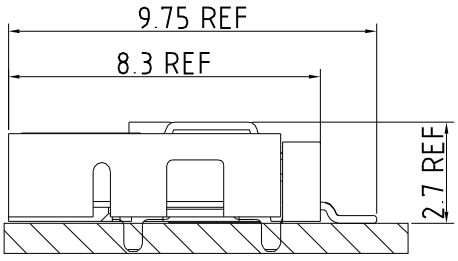


Specification

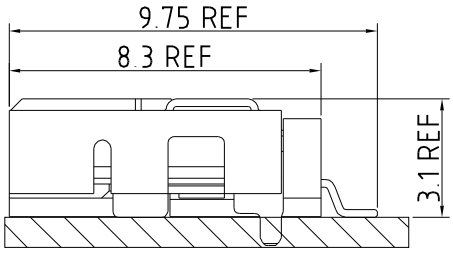
Circuits	10-12
Pitch	2.00/1.50mm
Current Rating	Power PIN: 4.8A AC/DC (AWG#24) Power PIN: 3.5A AC/DC (AWG#26)
Voltage Rating	50V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-40°C ~ +105°C
Applicable Wire Range	AWG #24 ~ #28

Assembly Layout

Vertical SMT Type



Vertical SMT A Type



TS2016 ① * - ② NP ③ *- ④ * ⑤ * ⑥ * ⑦

① Part No. TS2016	④ Mount Type 50: SMT-Type Wafer without mylar 60: SMT-Type Wafer with mylar 5A: SMT- A Type Wafer without mylar 6A: SMT- A Type Wafer with mylar (void): As Specified(HNO) A: A Type(HNO)	⑤ Contact Plating Code 0: Gold-flash over Nickel 3: Gold 15u" over Nickel 5: Gold 30u" over Nickel GO: Gold-flash over Nickel(HNO)
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer		⑥ Mount Type 0: As Specified (void): As Specified(HNO)
③ Number of Contacts: NP : Circuits		⑦ Product Color 0: Black (void): Black(HNO)

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TS2016 SERIES

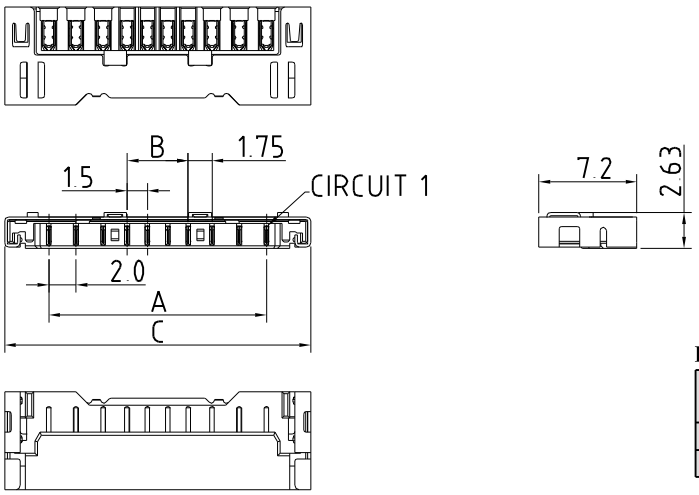
2.00/1.50mm Pitch Wire To Board Connector

Unit : mm

Housing

Features

Available Number of Circuits : 10 - 12
Material : High Temperature Thermoplastic 94V-0
Contact : 0.2mm(.008") Copper alloy, Gold flash
Mates with : TS2016WNV-NPX0-X0X Series Wafer



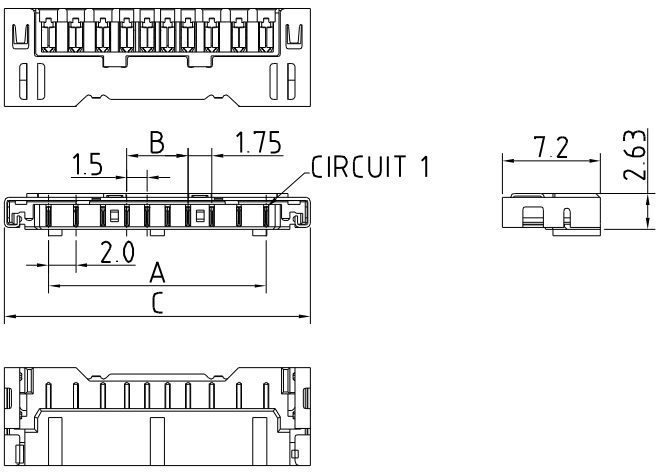
Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
10	TS2016HNO-10-*	16.00	4.50	22.50
12	TS2016HNO-12-*	20.00	4.50	26.50

Housing

Features

Available Number of Circuits : 10 - 12
Material : High Temperature Thermoplastic 94V-0
Contact : 0.2mm(.008") Copper alloy, Gold flash
Mates with : TS2016WNV-NPXA-X0X Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
10	TS2016HNO-10A-*	16.00	4.50	22.50
12	TS2016HNO-12A-*	20.00	4.50	26.50

TS2016 SERIES

2.00/1.50mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical SMT Type

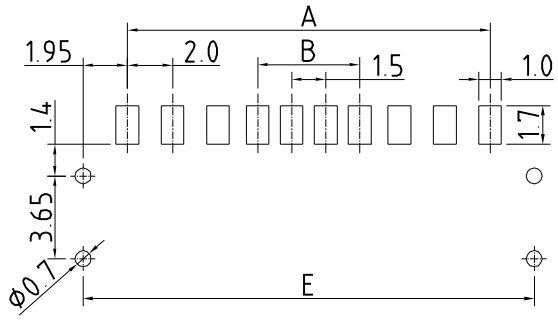
Features

Available Number of Circuits : 10 - 12

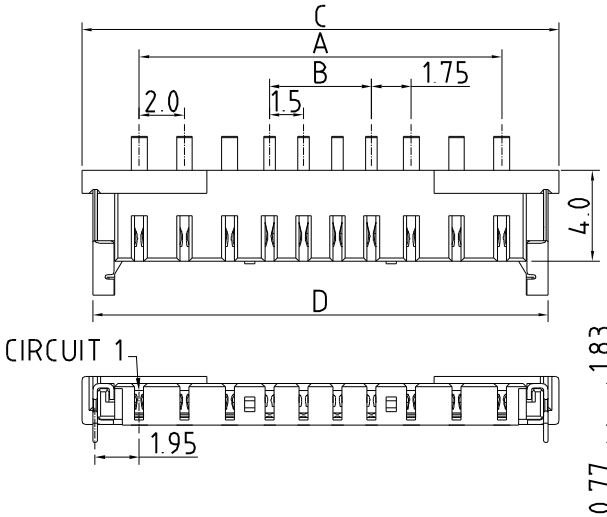
Material : High Temperature Thermoplastic 94V-0

Contact : 0.2mm(.008") Copper alloy, Gold flash

Mates with : TS2016HNO-NP-X Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)				
		A	B	C	D	E
10	TS2016WNV-10*0-*0*	16.00	4.50	21.05	20.10	19.90
12	TS2016WNV-12*0-*0*	20.00	4.50	25.05	24.10	23.90

Wafer Vertical A SMT Type

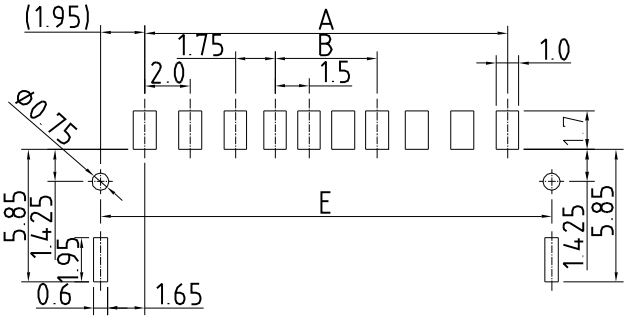
Features

Available Number of Circuits : 10 - 12

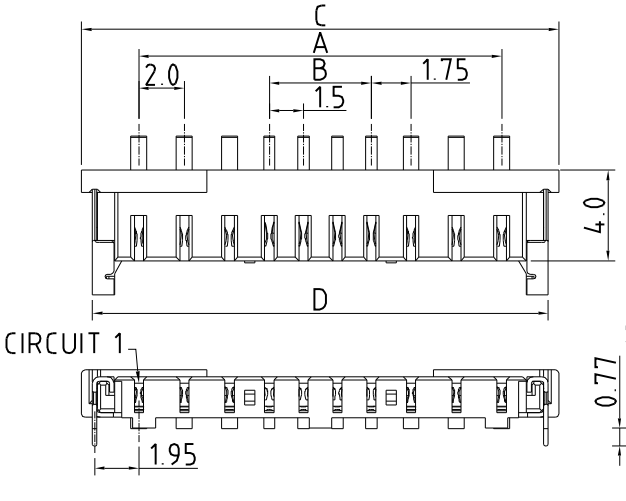
Material : High Temperature Thermoplastic 94V-0

Contact : 0.2mm(.008") Copper alloy, Gold flash

Mates with : TS2016HNO-NPA-X Series Housing



P.C.B LAYOUT

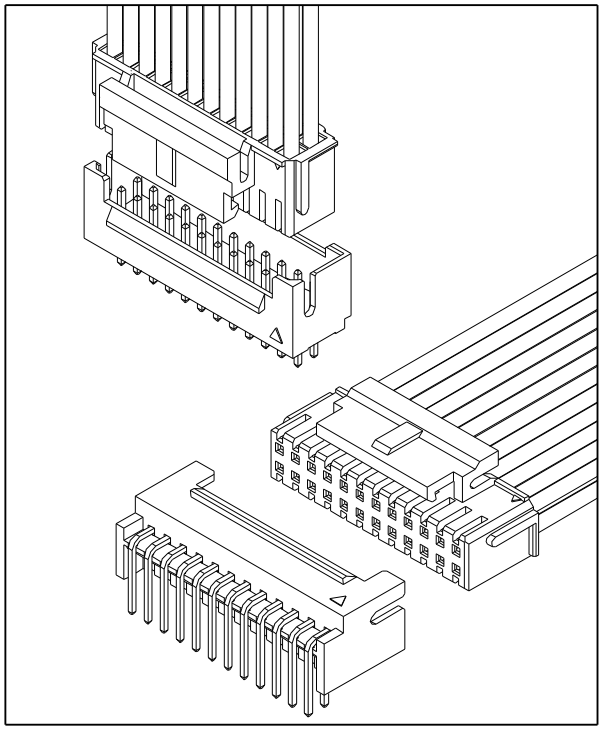


Dimension and Order Information

Circuits	Part No.	DIM.(mm)				
		A	B	C	D	E
10	TS2016WNV-10*A-*0*	16.00	4.50	21.05	20.10	19.90
12	TS2016WNV-12*A-*0*	20.00	4.50	25.05	24.10	23.90

TU2018 SERIES

2.00mm Pitch Wire To Board Connector



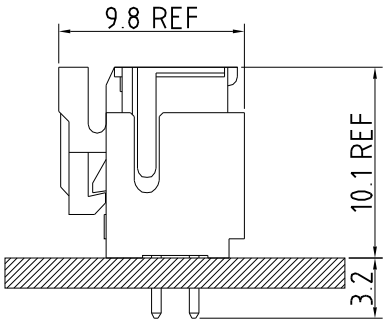
Specification

Circuits	2x03 - 2x20
Pitch	2.00mm
Current Rating	3A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	30mΩ MAX.
Withstand Voltage	1000V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #22 - #28

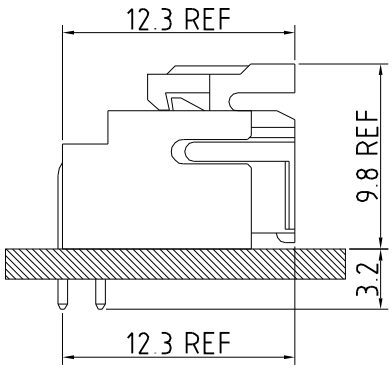
TU2018

Assembly Layout

Vertical Type



Right Angle Type



TU2018 * - * x NP-*
① ② ③ ④

① Part No. TU2018	④ Contact Plating Code: Blank : As Specified GO : Gold-flash over Nickel G* : *u" Gold Plated over Nickel	
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer		
③ Number of Contacts: 2xNP : Dual Row		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU2018 SERIES

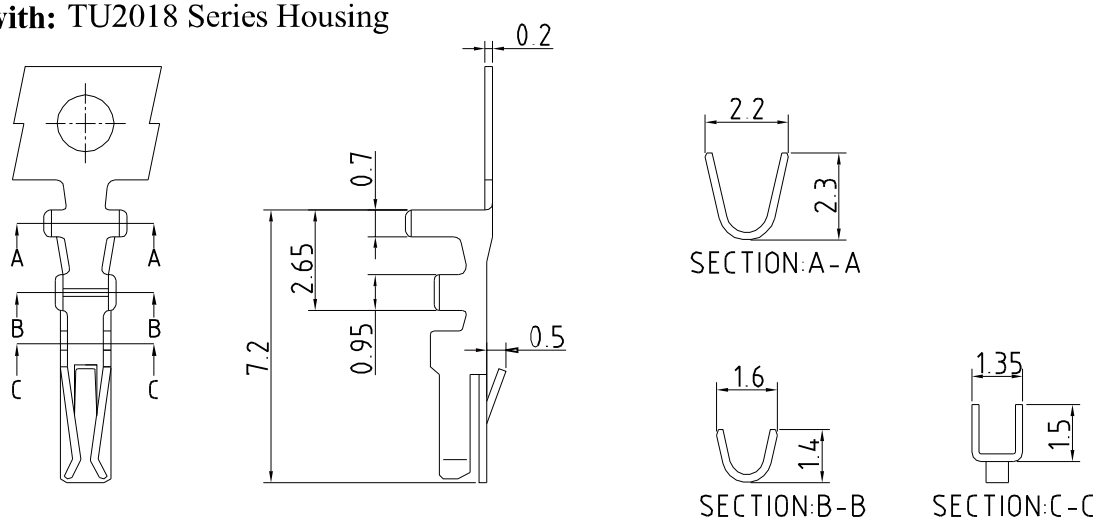
2.00mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU2018 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU2018TPO-*	AWG #22-#28	1.50mm(MAX.)	Phosphor bronze	See note	10,000 pcs

Note:

For this product in a different specification please contact TYU for more information

Housing

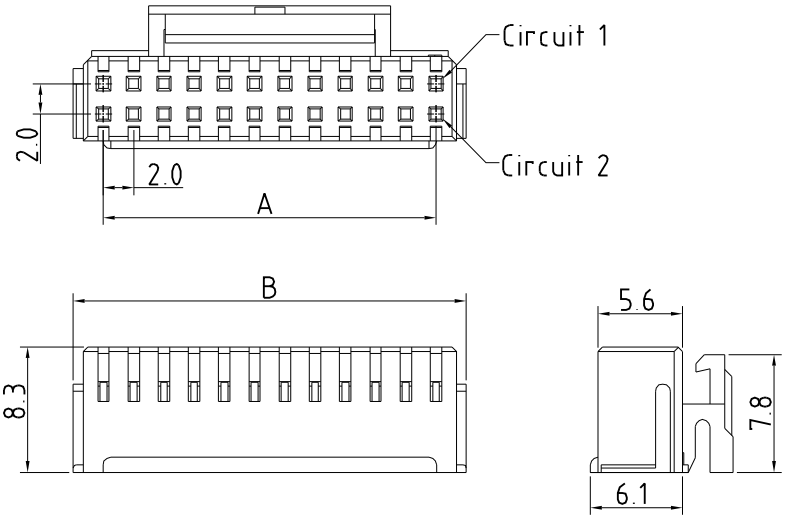
Features

Available Number of Circuits: 2x03 - 2x16,2x20

Material: Regular Thermoplastic 94V-0

Use with: TU2018 Crimp Terminal

Mates with : TU2018 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
6	TU2018HNO-2x03	4.00	8.00
8	TU2018HNO-2x04	6.00	10.00
10	TU2018HNO-2x05	8.00	12.00
12	TU2018HNO-2x06	10.00	14.00
14	TU2018HNO-2x07	12.00	16.00
16	TU2018HNO-2x08	14.00	18.00
18	TU2018HNO-2x09	16.00	20.00
20	TU2018HNO-2x10	18.00	22.00
22	TU2018HNO-2x11	20.00	24.00
24	TU2018HNO-2x12	22.00	26.00
26	TU2018HNO-2x13	24.00	28.00
28	TU2018HNO-2x14	26.00	30.00
30	TU2018HNO-2x15	28.00	32.00
32	TU2018HNO-2x16	30.00	34.00
40	TU2018HNO-2x20	38.00	42.00

TU2018 SERIES

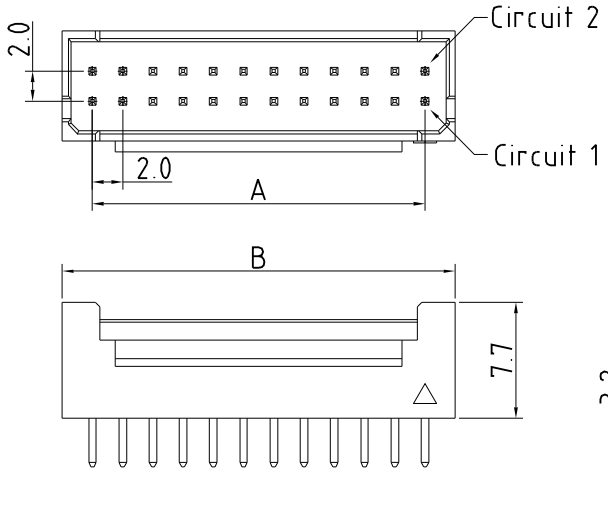
2.00mm Pitch Wire To Board Connector

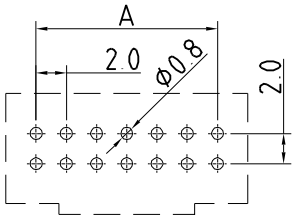
Unit : mm

Wafer Vertical

Features

Available Number of Circuits: 2x03 -2x16,2x20
Material: Regular Thermoplastic 94V-0
Contact: 0.5mm(.020") Copper Alloy Tin-plated
Mates with : TU2018 Series Housing





P.C.B LAYOUT

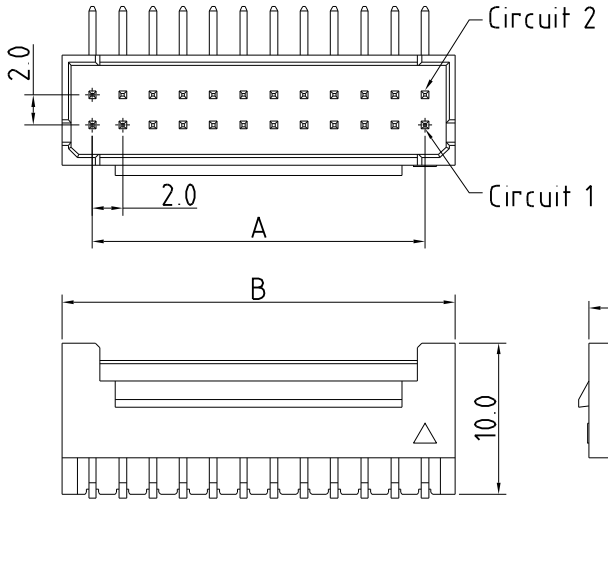
Dimension and Order Information

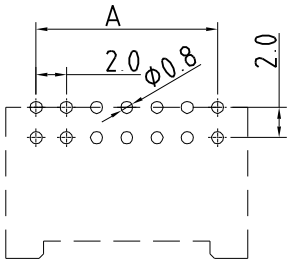
Circuits	Part No.	DIM.(mm)	
		A	B
6	TU2018WNV-2x03	4.00	8.00
10	TU2018WNV-2x04	6.00	10.00
10	TU2018WNV-2x05	8.00	12.00
12	TU2018WNV-2x06	10.00	14.00
14	TU2018WNV-2x07	12.00	16.00
16	TU2018WNV-2x08	14.00	18.00
18	TU2018WNV-2x09	16.00	20.00
20	TU2018WNV-2x10	18.00	22.00
22	TU2018WNV-2x11	20.00	24.00
24	TU2018WNV-2x12	22.00	26.00
26	TU2018WNV-2x13	24.00	28.00
28	TU2018WNV-2x14	26.00	30.00
30	TU2018WNV-2x15	28.00	32.00
32	TU2018WNV-2x16	30.00	34.00
40	TU2018WNV-2x20	38.00	42.00

Wafer Right Angle

Features

Available Number of Circuits: 2x03 - 2x16,2x20
Material: Regular Thermoplastic 94V-0
Contact: 0.5mm(.020") Copper Alloy Tin-plated
Mates with : TU2018 Series Housing





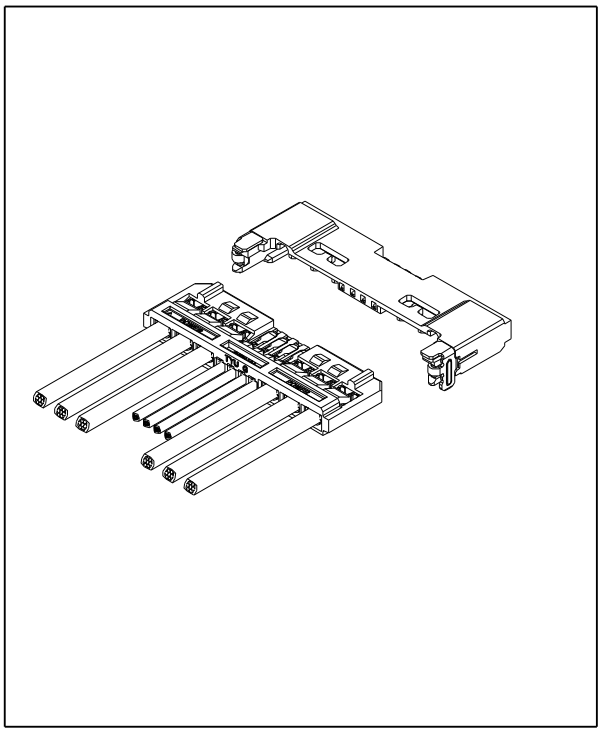
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
6	TU2018WNR-2x03	4.00	8.00
8	TU2018WNR-2x04	6.00	10.00
10	TU2018WNR-2x05	8.00	12.00
12	TU2018WNR-2x06	10.00	14.00
14	TU2018WNR-2x07	12.00	16.00
16	TU2018WNR-2x08	14.00	18.00
18	TU2018WNR-2x09	16.00	20.00
20	TU2018WNR-2x10	18.00	22.00
22	TU2018WNR-2x11	20.00	24.00
24	TU2018WNR-2x12	22.00	26.00
26	TU2018WNR-2x13	24.00	28.00
28	TU2018WNR-2x14	26.00	30.00
30	TU2018WNR-2x15	28.00	32.00
32	TU2018WNR-2x16	30.00	34.00
40	TU2018WNR-2x20	38.00	42.00

TU2019 SERIES

2.00/1.00mm Pitch Wire To Board Connector

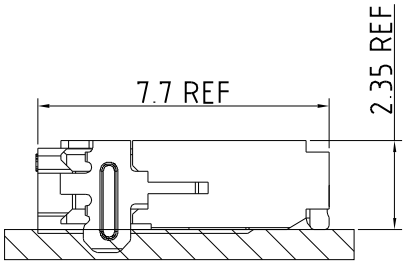


Specification

Circuits	10-12
Pitch	2.00/1.00mm
Current Rating	Power PIN: 5.2A AC/DC (AWG#22) Power PIN: 4.8A AC/DC (AWG#24) Power PIN: 3.6A AC/DC (AWG#28)
Voltage Rating	50V AC/DC
Contact Resistance	Power PIN:20mΩ MAX. Signal PIN:40mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	Power PIN:500MΩ MIN. Signal PIN:200MΩ MIN.
Temperature Range	-40°C ~ +105°C
Applicable Wire Range	Power PIN:AWG #26 ~ #26 Signal PIN:AWG #28 ~ #30

Assembly Layout

Right Angle SMT Type



TU2019 * - NP * 0 - * * *
① ② ③ ④ ⑤⑥⑦

TU2019 HNO - NP *
① ② ③ ④

① Part No. TU2019	④ Mount Type 5: SMT-Type Wafer 0: Signal 4 PINS(HNO)	⑥ Mount Type 0: Signal 4 PINS(WNR)
② Connection Type: HNO : Terminal Socket WNR : Right Angle Wafer	⑤ Contact Plating Code 0: Gold-flash over Nickel 3: 10u" Gold over Nickel 5: 30u" Gold over Nickel	⑦ Product Color 0: Black
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU2019 SERIES

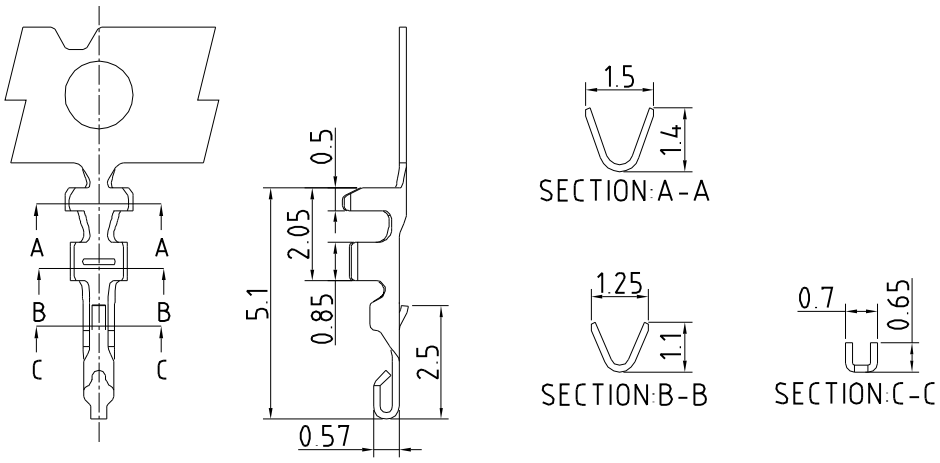
2.00/1.00mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU2019 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU1019TPH-*	AWG #28-#30	0.60mm(MAX.)	Phosphor bronze	See note	15,000pcs

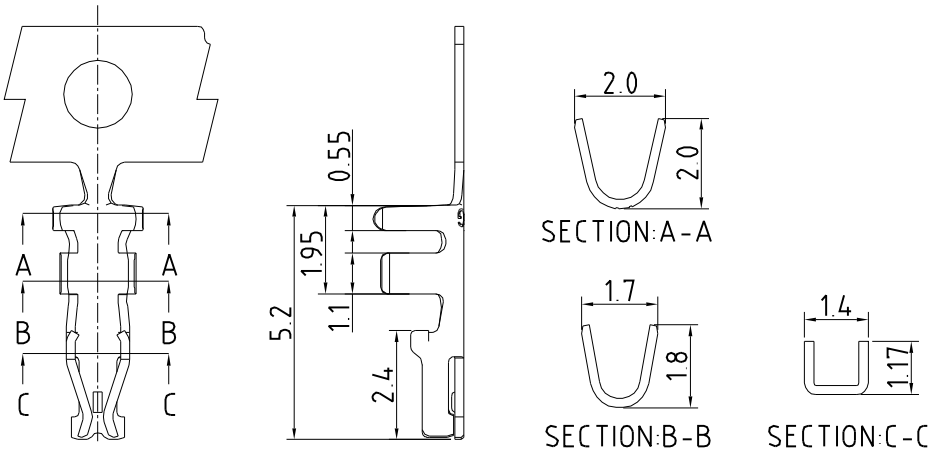
Note:

For this product in a different specification please contact TYU for more information

Terminal

Features

Use with: TU2019 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU2019TGH-*	AWG #22-#26	1.20mm(MAX.)	Phosphor bronze	See note	10,000pcs

Note:

For this product in a different specification please contact TYU for more information

TU2019 SERIES

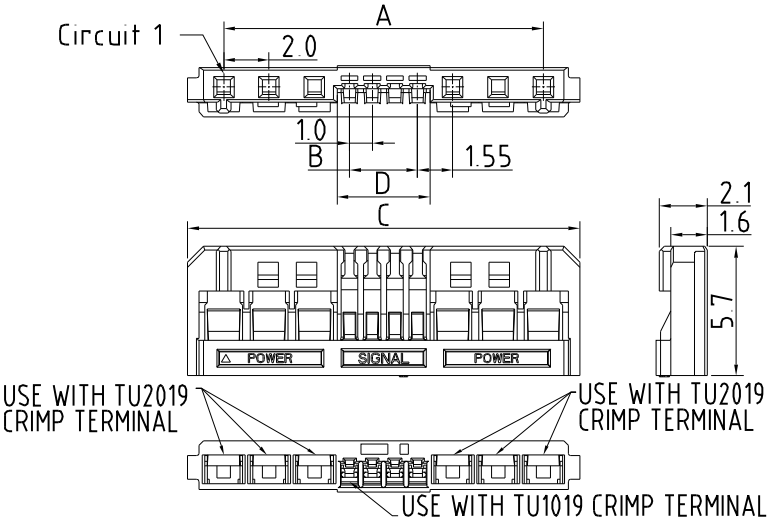
2.00/1.00mm Pitch Wire To Board Connector

Unit : mm

Housing

Features

Available Number of Circuits: 10 - 12
Material: Regular Thermoplastic 94V-0
Use with: TU2019 & TU1019 Crimp Terminal
Mates with : TU2019 Series Wafer



Dimension and Order Information

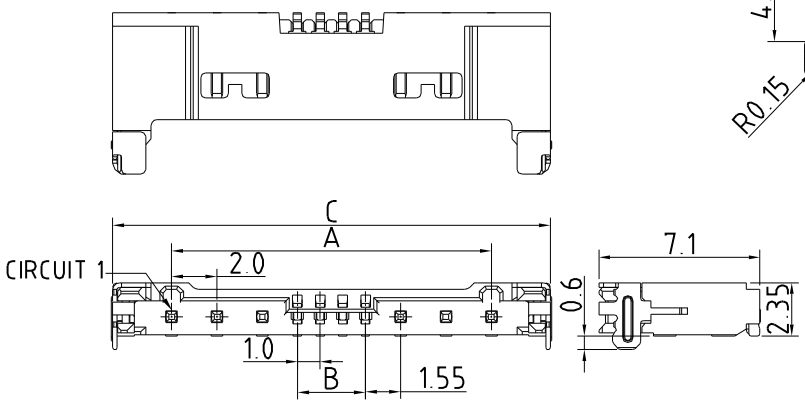
Circuits	Part No.	DIM.(mm)		
		A	B	C
10	TU2019HNO-100	14.10	3.00	17.30
12	TU2019HNO-120	18.10	3.00	21.30

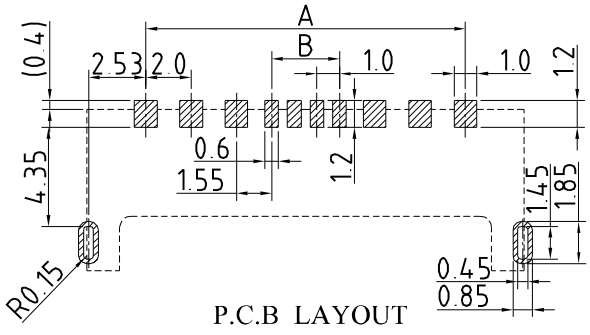
Wafer

Right Angle SMT Type

Features

Available Number of Circuits : 10-12
Material : High Temperature Thermoplastic 94V-0
Contact Power PIN : 0.50mm(.020") Copper Alloy , Gold plated
Contact Signal PIN : 0.20mm(.008") Copper Alloy , Gold plated
Mates with : TU2019 Series Housing



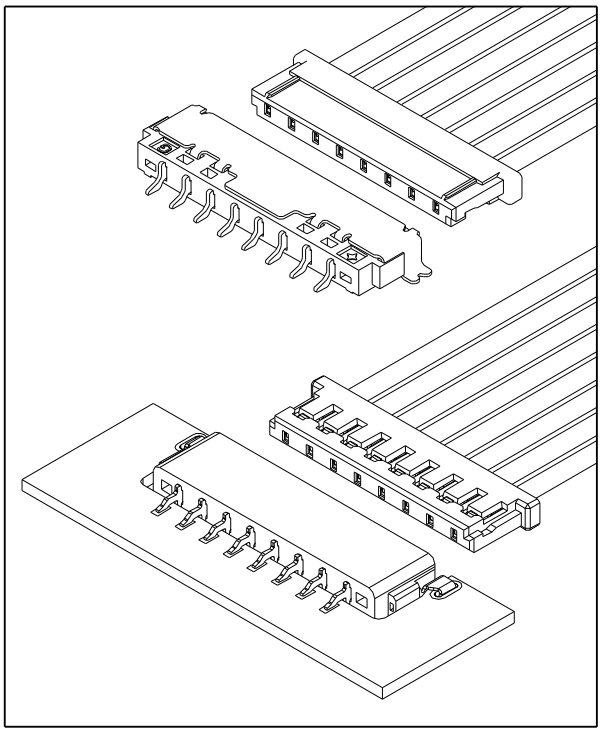


Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
10	TU2019WGR-1050-*0*	14.10	3.00	19.30
12	TU2019WGR-1250-*0*	18.10	3.00	23.30

TU2023 SERIES

2.00mm Pitch Wire To Board Connector



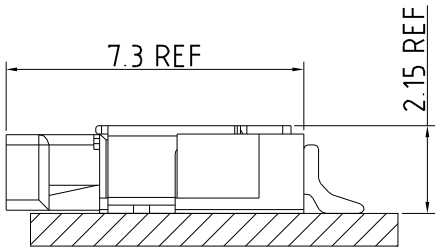
Specification

Circuits	06 ~ 10
Pitch	2.00mm
Current Rating	3.5A AC/DC (AWG#24) 3.5A AC/DC (AWG#26) 2.0A AC/DC (AWG#28)
Voltage Rating	50V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	300V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #24 - #28

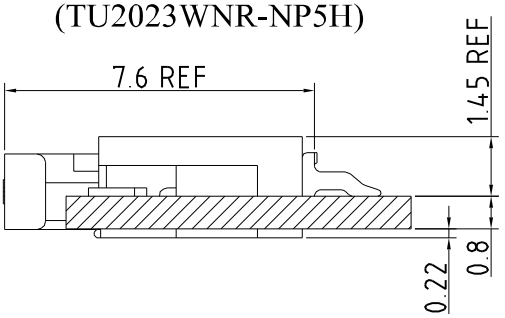
TU2023

Assembly Layout

Right Angle SMT Type
(TU2023WNR-NP50)



Right Angle Inside Type
(TU2023WNR-NP5H)



TU2023 * - NP** - * * *
① ② ③④ ⑤⑥⑦

① Part No. TU2023	④ Mount Type 50: SMT-Type Wafer 5H: SMT-Inside Type Wafer	⑥ Material Code 0: As Specifed
② Connection Type: HNO : Terminal Socket WNR : Right Angle Wafer		⑦ Product Color 0: Black
③ Number of Contacts: NP : Circuits	⑤ Contact Plating Code 0: Gold flash over Nickel	

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU2023 SERIES

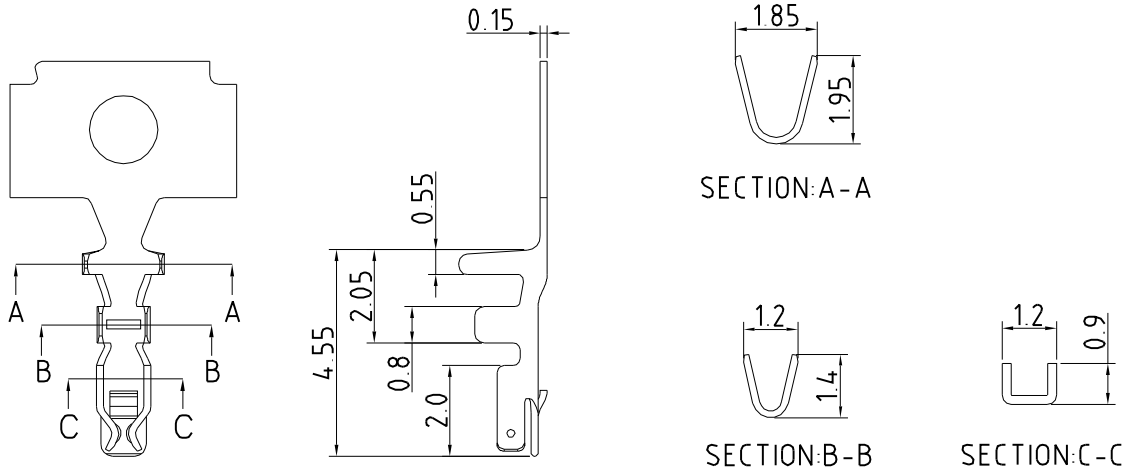
2.00mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU2023 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU2023TPO-*	AWG #24-#28	1.15mm(MAX.)	Phosphor bronze	See note	12,000 PCS

Note:

For this product in a different specification please contact TYU for more information

Housing

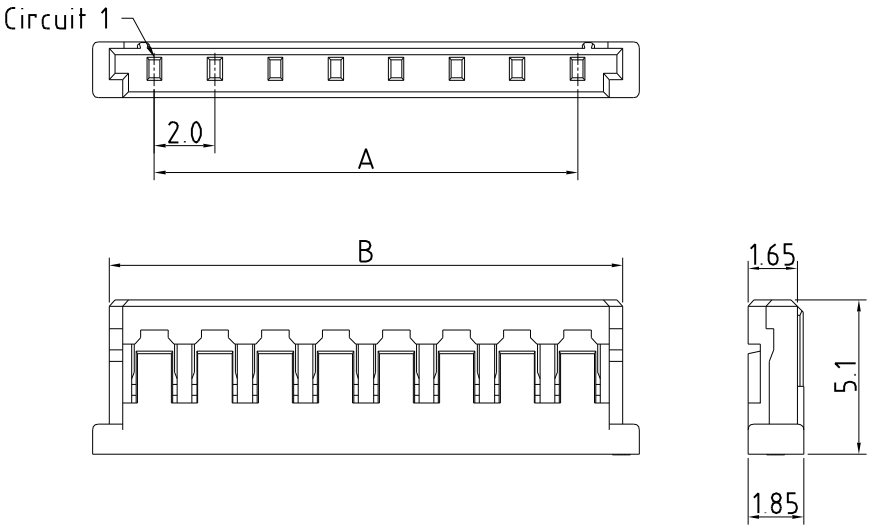
Features

Available Number of Circuits : 06 ~ 10

Material : Regular Thermoplastic 94V-0

Use with : TU2023 Crimp Terminal

Mates with : TU2023 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
6	TU2023HNO-06	10.00	13.00
7	TU2023HNO-07	12.00	15.00
8	TU2023HNO-08	14.00	17.00
9	TU2023HNO-09	16.00	19.00
10	TU2023HNO-10	18.00	21.00

TU2023 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer Right Angle SMT Type

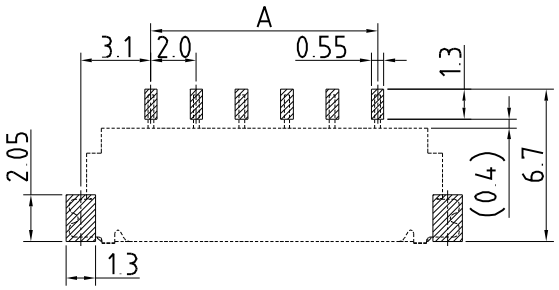
Features

Available Number of Circuits : 06 ~ 10

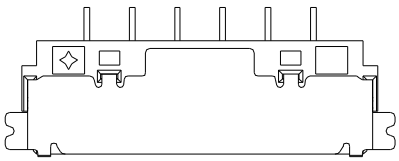
Material : High Temperature Thermoplastic 94V-0

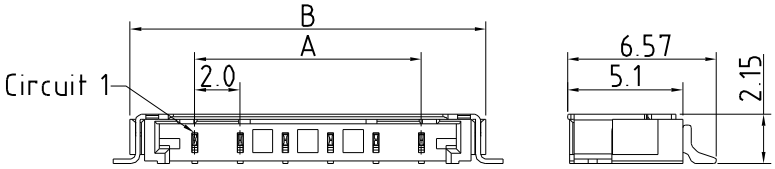
Contact : 0.25mm(.009") Copper alloy, Gold flash

Mates with : TU2023 Series Housing



P.C.B LAYOUT





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
6	TU2023WNR-0650-*0*	10.00	15.70
7	TU2023WNR-0750-*0*	12.00	17.70
8	TU2023WNR-0850-*0*	14.00	19.70
9	TU2023WNR-0950-*0*	16.00	21.70
10	TU2023WNR-1050-*0*	18.00	23.70

Wafer Right Angle SMT Inside Type

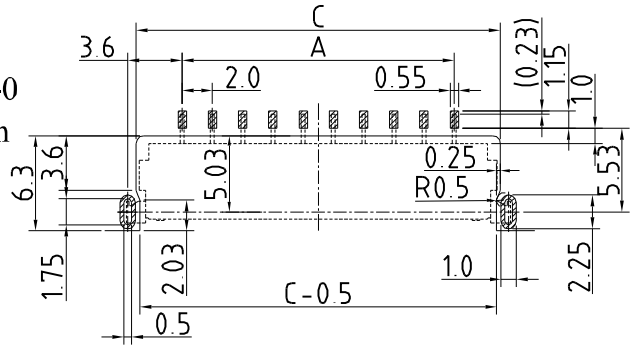
Features

Available Number of Circuits : 06 ~ 10

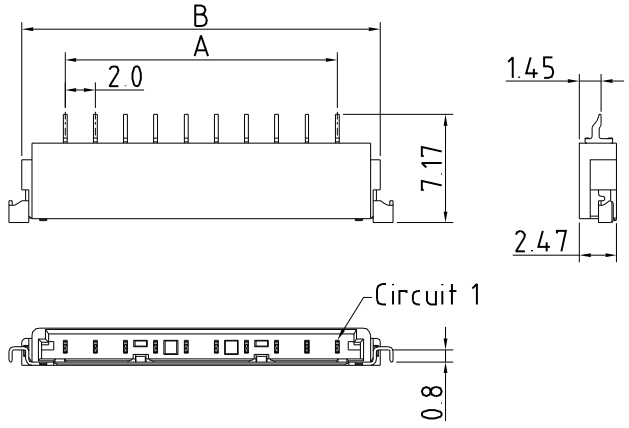
Material : High Temperature Thermoplastic 94V-0

Contact : 0.25mm(.009") Copper alloy, Gold flash

Mates with : TU2023 Series Housing



P.C.B LAYOUT

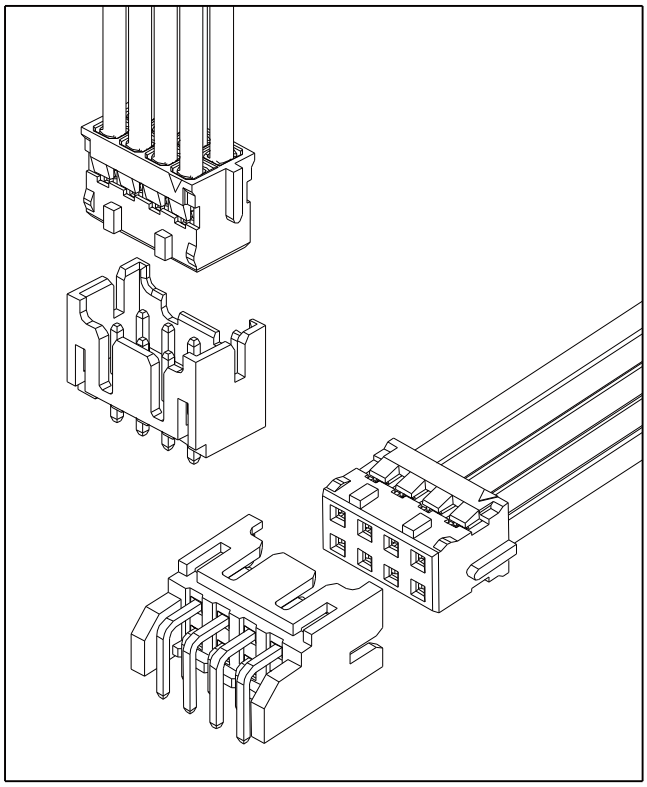


Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
6	TU2023WNR-065H-*0*	10.00	15.70	16.10
7	TU2023WNR-075H-*0*	12.00	17.70	18.10
8	TU2023WNR-085H-*0*	14.00	19.70	20.10
9	TU2023WNR-095H-*0*	16.00	21.70	22.10
10	TU2023WNR-105H-*0*	18.00	23.70	24.10

TU2025 SERIES

2.00mm Pitch Wire To Board Connector

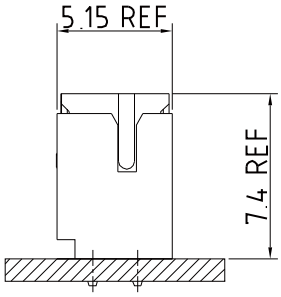


Specification

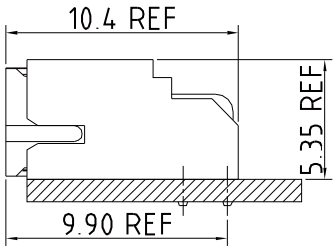
Circuits	2x02 - 2x20
Pitch	2.00mm
Current Rating	3A AC/DC (AWG#24)
	1.5A AC/DC (AWG#26)
	1A AC/DC (AWG#28)
Voltage Rating	250V AC/DC
Contact Resistance	30mΩ MAX.
Withstand Voltage	800V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #22 - #28

Assembly Layout

Vertical Type



Right Angle Type



TU2025 * - * x NP * - *
① ② ③ ④ ⑤

① Part No. TU2025	④ Contact Plating Code Blank : As Specified	
② Connection Type: HNO : Terminal Socket WNV : VerticalWafer WNR : Right Angle Wafer	⑤ Material Code Blank : As Specified M7 : Nylon 9T UL 94V-0	
③ Number of Contacts: 2xNP : Dual Row		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU2025 SERIES

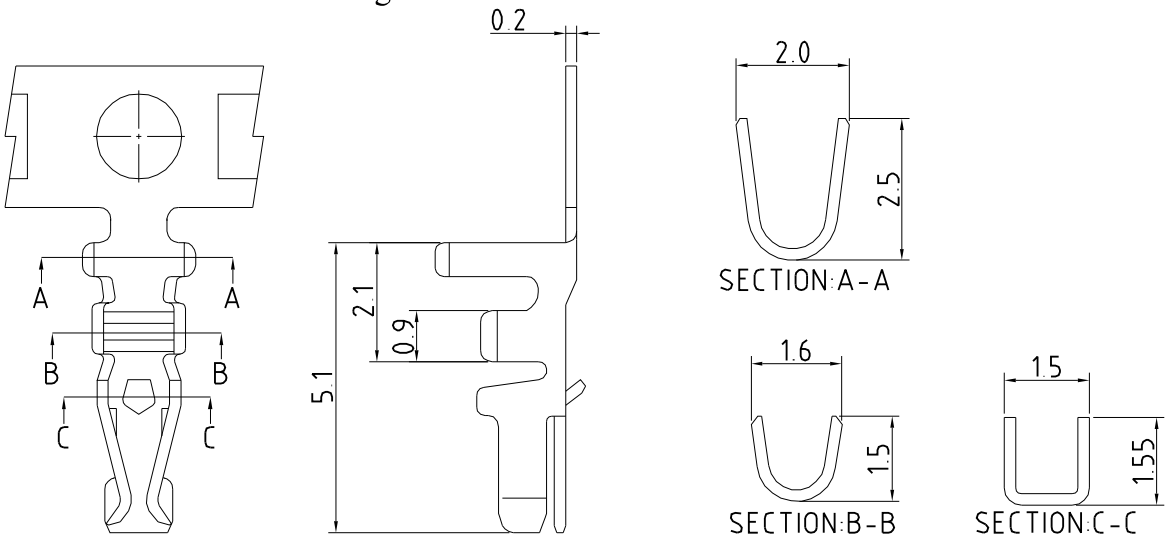
2.00mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU2025 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU2025TPO-*	AWG #22-#28	1.50mm(MAX.)	Phosphor bronze	See note	10,000 pcs

Note:

For this product in a different specification please contact TYU for more information

Housing

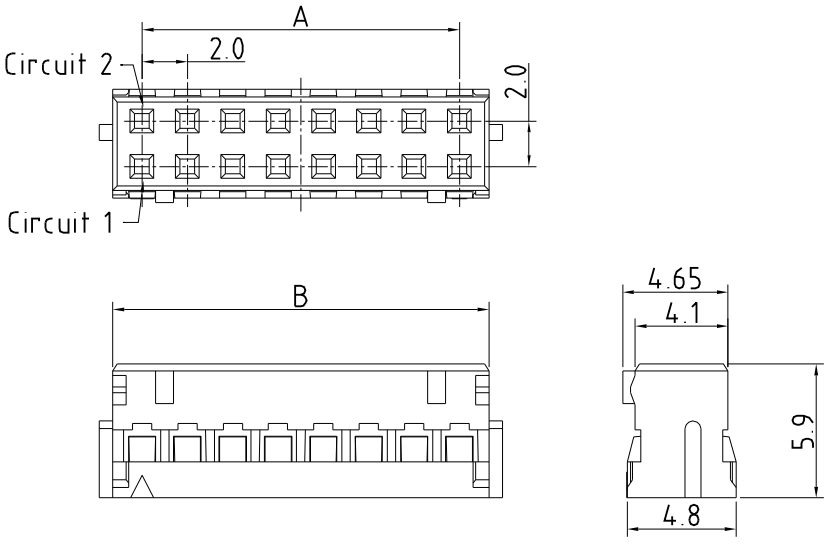
Features

Available Number of Circuits: 2x02 - 2x20

Material: Regular Thermoplastic 94V-0

Use with: TU2025 Crimp Terminal

Mates with : TU2025 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2025HNO-2x02-*	2.00	4.60
6	TU2025HNO-2x03-*	4.00	6.60
8	TU2025HNO-2x04-*	6.00	8.60
10	TU2025HNO-2x05-*	8.00	10.60
12	TU2025HNO-2x06-*	10.00	12.60
14	TU2025HNO-2x07-*	12.00	14.60
16	TU2025HNO-2x08-*	14.00	16.60
18	TU2025HNO-2x09-*	16.00	18.60
20	TU2025HNO-2x10-*	18.00	20.60
22	TU2025HNO-2x11-*	20.00	22.60
24	TU2025HNO-2x12-*	22.00	24.60
26	TU2025HNO-2x13-*	24.00	26.60
28	TU2025HNO-2x14-*	26.00	28.60
30	TU2025HNO-2x15-*	28.00	30.60
32	TU2025HNO-2x16-*	30.00	32.60
34	TU2025HNO-2x17-*	32.00	34.60
36	TU2025HNO-2x18-*	34.00	36.60
38	TU2025HNO-2x19-*	36.00	38.60
40	TU2025HNO-2x20-*	38.00	40.60

TU2025 SERIES

2.00mm Pitch Wire To Board Connector

Unit : mm

Wafer — Vertical

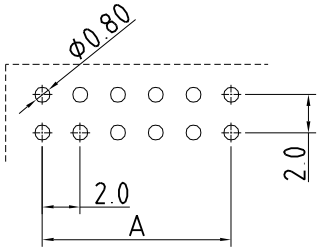
Features

Available Number of Circuits : 2x02 - 2x20

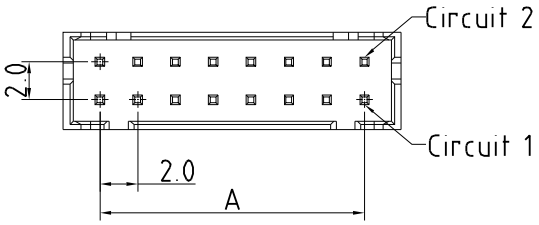
Material : Regular Thermoplastic 94V-0

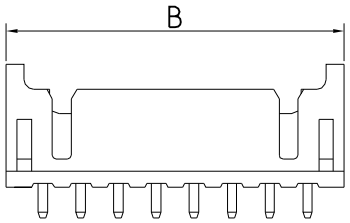
Contact: 0.50mm(.020") Copper Alloy, Tin-plated

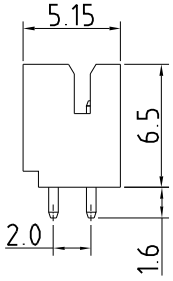
Mates with : TU2025 Series Housing



P.C.B LAYOUT







Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2025WNV-2x02	2.00	5.90
6	TU2025WNV-2x03	4.00	7.90
8	TU2025WNV-2x04	6.00	9.90
10	TU2025WNV-2x05	8.00	11.90
12	TU2025WNV-2x06	10.00	13.90
14	TU2025WNV-2x07	12.00	15.90
16	TU2025WNV-2x08	14.00	17.90
18	TU2025WNV-2x09	16.00	19.90
20	TU2025WNV-2x10	18.00	21.90
22	TU2025WNV-2x11	20.00	23.90
24	TU2025WNV-2x12	22.00	25.90
26	TU2025WNV-2x13	24.00	27.90
28	TU2025WNV-2x14	26.00	29.90
30	TU2025WNV-2x15	28.00	31.90
32	TU2025WNV-2x16	30.00	33.90
34	TU2025WNV-2x17	32.00	35.90
36	TU2025WNV-2x18	34.00	37.90
38	TU2025WNV-2x19	36.00	39.90
40	TU2025WNV-2x20	38.00	41.90

Wafer — Right Angle

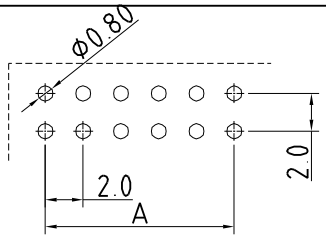
Features

Available Number of Circuits : 2x02 - 2x20

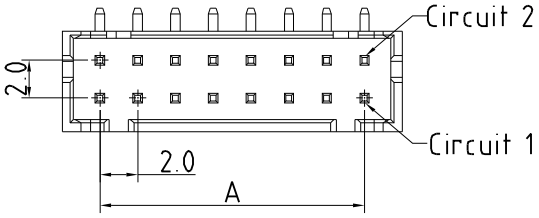
Material : High Temperature Thermoplastic 94V-0

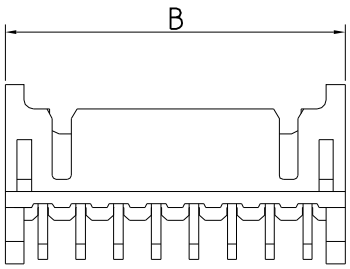
Contact: 0.50mm(.020") Copper Alloy, Tin-plated

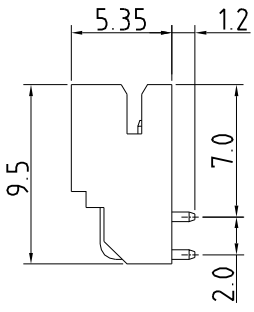
Mates with : TU2025 Series Housing



P.C.B LAYOUT





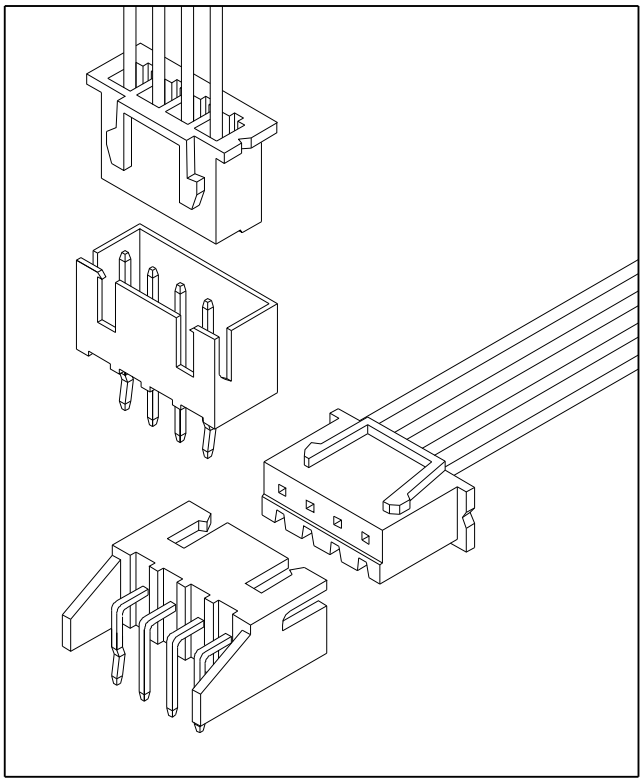


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2025WNR-2x02	2.00	6.00
6	TU2025WNR-2x03	4.00	8.00
8	TU2025WNR-2x04	6.00	10.00
10	TU2025WNR-2x05	8.00	12.00
12	TU2025WNR-2x06	10.00	14.00
14	TU2025WNR-2x07	12.00	16.00
16	TU2025WNR-2x08	14.00	18.00
18	TU2025WNR-2x09	16.00	20.00
20	TU2025WNR-2x10	18.00	22.00
22	TU2025WNR-2x11	20.00	24.00
24	TU2025WNR-2x12	22.00	26.00
26	TU2025WNR-2x13	24.00	28.00
28	TU2025WNR-2x14	26.00	30.00
30	TU2025WNR-2x15	28.00	32.00
32	TU2025WNR-2x16	30.00	34.00
34	TU2025WNR-2x17	32.00	36.00
36	TU2025WNR-2x18	34.00	38.00
38	TU2025WNR-2x19	36.00	40.00
40	TU2025WNR-2x20	38.00	42.00

TU3001 SERIES

2.50mm Pitch Wire To Board Connector



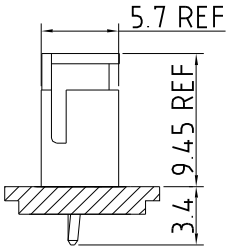
Specification

Circuits	02 - 20
Pitch	2.50mm
Current Rating	3A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	10mΩ MAX.
Withstand Voltage	8,00V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #22 - #28
Applicable P.C.B Thickness	1.6mm
Applicable P.C.B Hole Dia.	Ø1.0mm ± 0.05

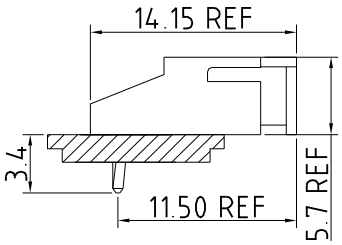
TU3001

Assembly Layout

Vertical Type



Right Angle Type



TU3001 * - NP - * - * - *
① ② ③ ④ ⑤ ⑥

① Part No. TU3001

② Connection Type:
HNO : Terminal Socket
WNV : Vertical Wafer
WNR : Right Angle Wafer

③ Number of Contacts:
NP : Circuits

④ Contact Plating Code
Blank : As Specified
GO : Gold-flash over Nickel
G* : *u" Gold Plated over Nickel

⑤ Material Code
Blank : As Specified
M7 : Nylon 9T UL 94V-0

⑥ Product Color
Blank : As Specified
C* : Color of number

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU3001 SERIES

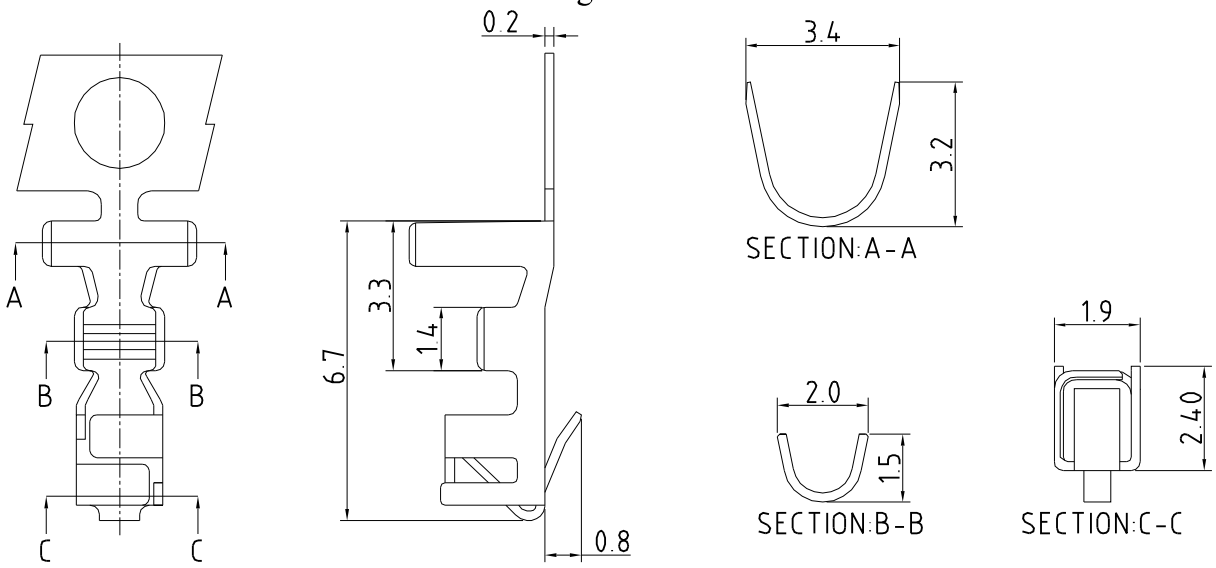
2.50mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU3001 & TU3009 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU3001TBO-*	AWG #22-#28	1.90mm(MAX.)	Brass	See note	8,000 pcs
TU3001TPO-*			Phosphor bronze		

Note:

For this product in a different specification please contact TYU for more information

Housing

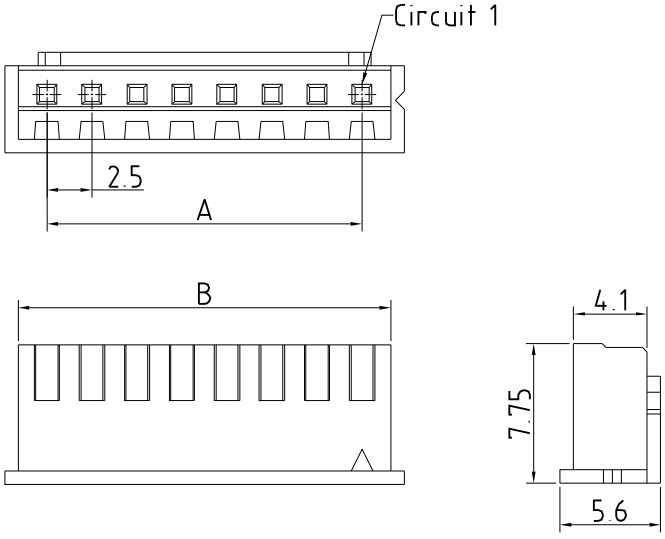
Features

Available Number of Circuits: 02 - 20

Material: Regular Thermoplastic 94V-0

Use with: TU3001 Crimp Terminal

Mates with : TU3001 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm) A	DIM.(mm) B
2	TU3001HNO-02	2.50	5.70
3	TU3001HNO-03	5.00	8.20
4	TU3001HNO-04	7.50	10.70
5	TU3001HNO-05	10.00	13.20
6	TU3001HNO-06	12.50	15.70
7	TU3001HNO-07	15.00	18.20
8	TU3001HNO-08	17.50	20.70
9	TU3001HNO-09	20.00	23.20
10	TU3001HNO-10	22.50	25.70
11	TU3001HNO-11	25.00	28.20
12	TU3001HNO-12	27.50	30.70
13	TU3001HNO-13	30.00	33.20
14	TU3001HNO-14	32.50	35.70
15	TU3001HNO-15	35.00	38.20
16	TU3001HNO-16	37.50	40.70
17	TU3001HNO-17	40.00	43.20
18	TU3001HNO-18	42.50	45.70
19	TU3001HNO-19	45.00	48.20
20	TU3001HNO-20	47.50	50.70

TU3001 SERIES

2.50mm Pitch Wire To Board Connector

Unit : mm

Wafer

Vertical

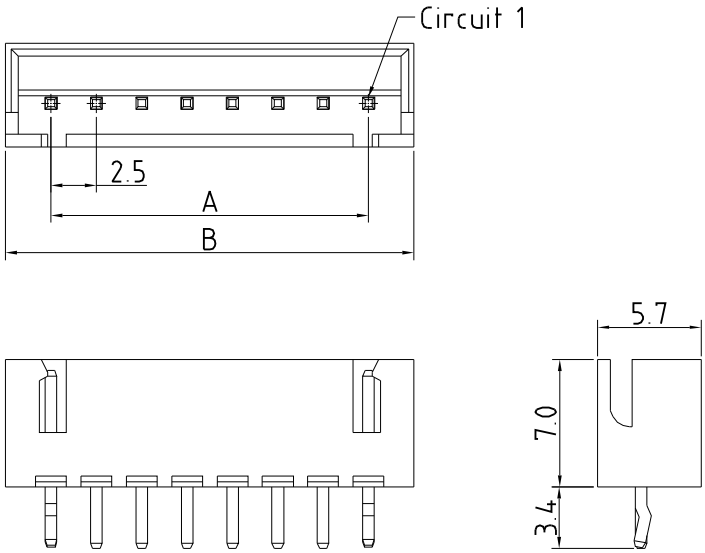
Features

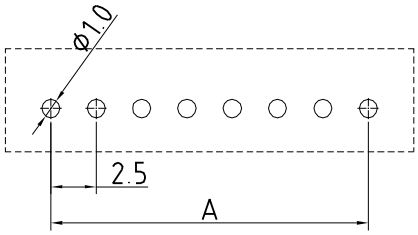
Available Number of Circuits : 02-15 , 20

Material : Regular Thermoplastic 94V-0

Contact: 0.64mm(.025") Copper Alloy, Tin-plated

Mates with : TU3001 Series Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU3001WNV-02	2.50	7.50
3	TU3001WNV-03	5.00	10.00
4	TU3001WNV-04	7.50	12.50
5	TU3001WNV-05	10.00	15.00
6	TU3001WNV-06	12.50	17.50
7	TU3001WNV-07	15.00	20.00
8	TU3001WNV-08	17.50	22.50
9	TU3001WNV-09	20.00	25.00
10	TU3001WNV-10	22.50	27.50
11	TU3001WNV-11	25.00	30.00
12	TU3001WNV-12	27.50	32.50
13	TU3001WNV-13	30.00	35.00
14	TU3001WNV-14	32.50	37.50
15	TU3001WNV-15	35.00	40.00
20	TU3001WNV-20	47.50	52.50

Wafer

Right Angle

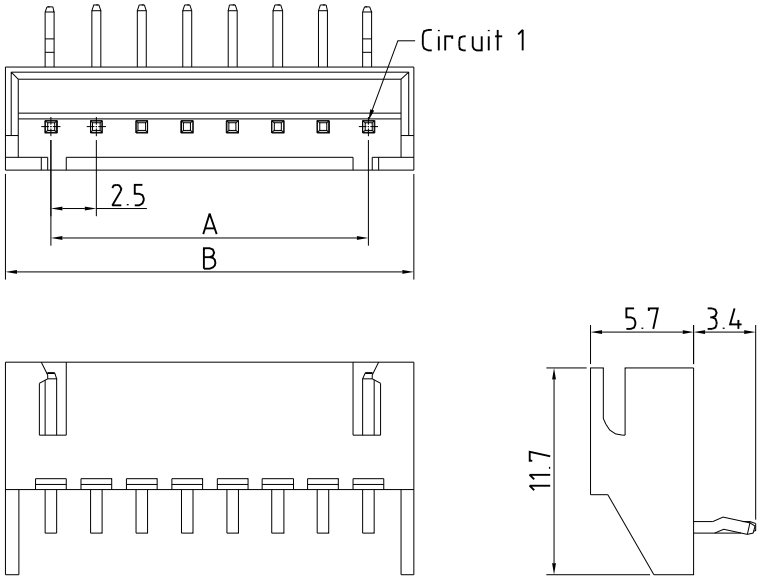
Features

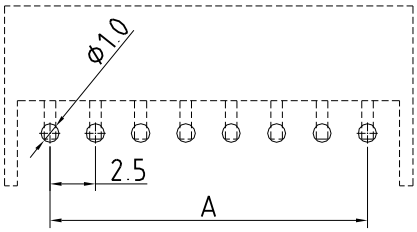
Available Number of Circuits : 02-15 , 20

Material : Regular Thermoplastic 94V-0

Contact: 0.64mm(.025") Copper Alloy, Tin-plated

Mates with : TU3001 Series Housing





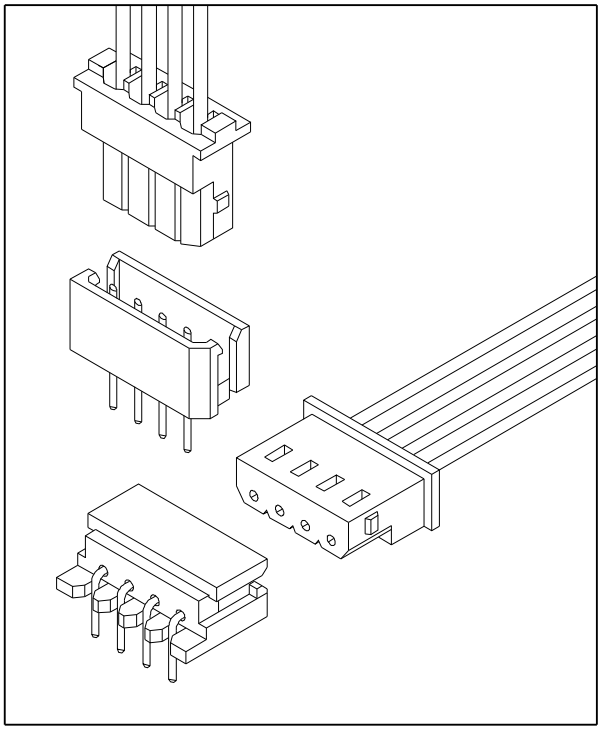
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU3001WNR-02	2.50	7.50
3	TU3001WNR-03	5.00	10.00
4	TU3001WNR-04	7.50	12.50
5	TU3001WNR-05	10.00	15.00
6	TU3001WNR-06	12.50	17.50
7	TU3001WNR-07	15.00	20.00
8	TU3001WNR-08	17.50	22.50
9	TU3001WNR-09	20.00	25.00
10	TU3001WNR-10	22.50	27.50
11	TU3001WNR-11	25.00	30.00
12	TU3001WNR-12	27.50	32.50
13	TU3001WNR-13	30.00	35.00
14	TU3001WNR-14	32.50	37.50
15	TU3001WNR-15	35.00	40.00
20	TU3001WNR-20	47.50	52.50

TU3002 SERIES

2.50mm Pitch Wire To Board Connector

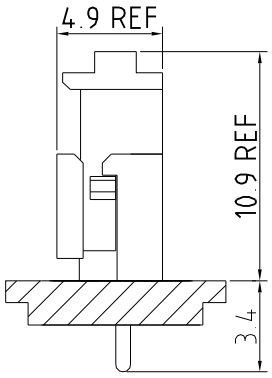


Specification

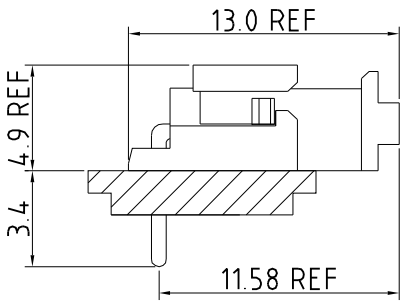
Circuits	02 - 16
Pitch	2.50mm
Current Rating	3A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	1,000V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #22 - #28
Applicable P.C.B Thickness	1.6mm
Applicable P.C.B Hole Dia.	Ø0.9mm ± 0.05

Assembly Layout

Vertical Type



Right Angle Type



TU3002 * - NP- * - * - *
① ② ③ ④ ⑤

① Part No. TU3002	④ Contact Plating Code Blank : As Specified GO : Gold-flash over Nickel G* : *u" Gold Plated over Nickel	
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer	⑤ Product Color Blank : As Specified C* : Color of number	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU3002 SERIES

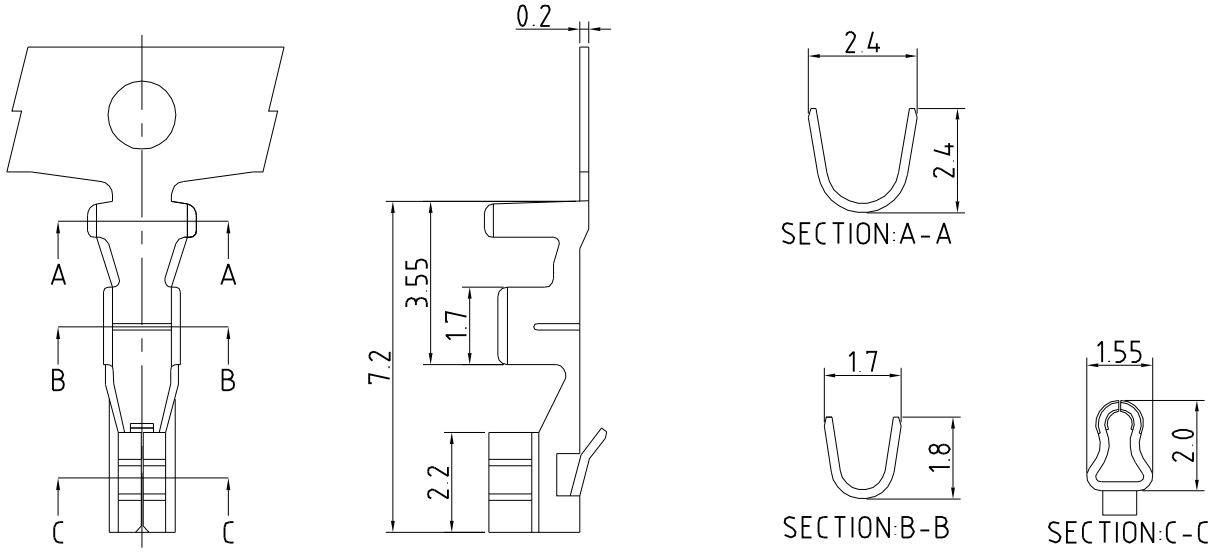
2.50mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU3002 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU3002TBO-*	AWG #22-#28	1.90mm(MAX.)	Brass	See note	10,000 pcs
TU3002TPO-*			Phosphor bronze		

Note:

For this product in a different specification please contact TYU for more information

Housing

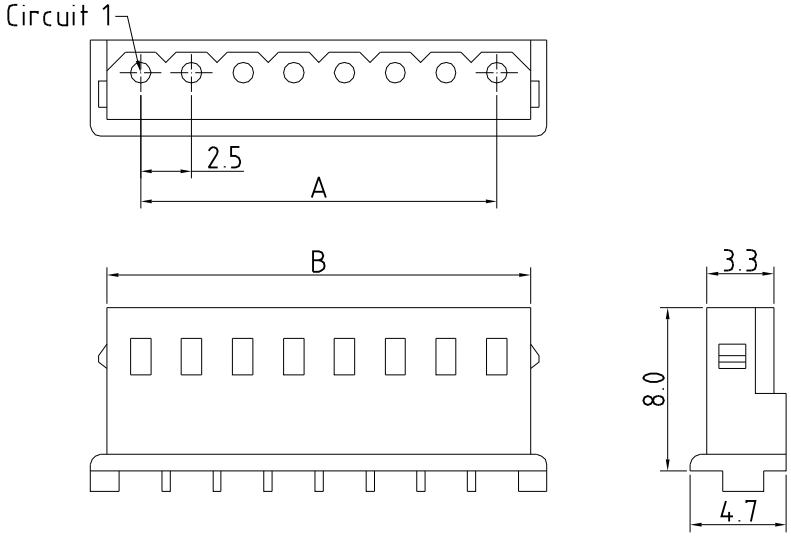
Features

Available Number of Circuits: 02 - 16

Material: Regular Thermoplastic 94V-2

Use with: TU3002 Crimp Terminal

Mates with : TU3002 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU3002HNO-02	2.50	5.80
3	TU3002HNO-03	5.00	8.30
4	TU3002HNO-04	7.50	10.80
5	TU3002HNO-05	10.00	13.30
6	TU3002HNO-06	12.50	15.80
7	TU3002HNO-07	15.00	18.30
8	TU3002HNO-08	17.50	20.80
9	TU3002HNO-09	20.00	23.30
10	TU3002HNO-10	22.50	25.80
11	TU3002HNO-11	25.00	28.30
12	TU3002HNO-12	27.50	30.80
13	TU3002HNO-13	30.00	33.30
14	TU3002HNO-14	32.50	35.80
15	TU3002HNO-15	35.00	38.30
16	TU3002HNO-16	37.50	40.80

TU3002 SERIES

2.50mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical

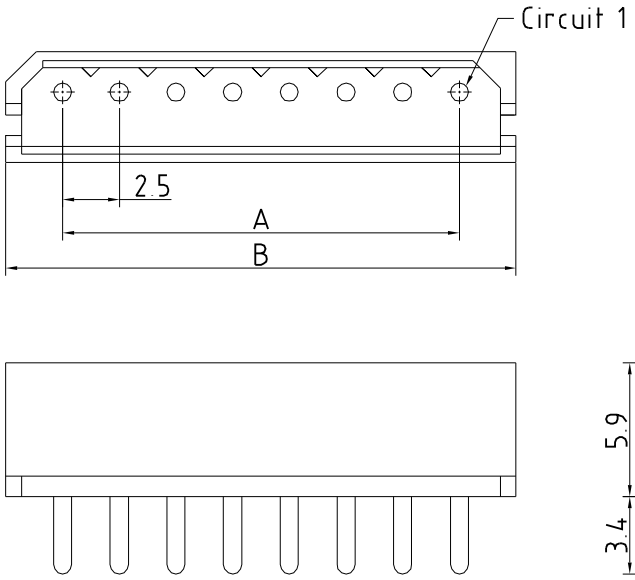
Features

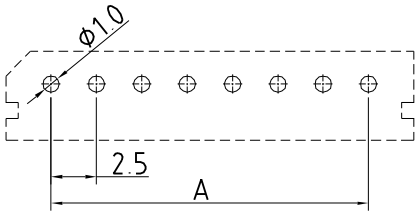
Available Number of Circuits : 02 - 16

Material : Regular Thermoplastic 94V-2

Contact: 0.7mm(.027") Round Pin Copper Alloy, Tin-plated

Mates with : TU3002 Series Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU3002WNV-02	2.50	7.50
3	TU3002WNV-03	5.00	10.00
4	TU3002WNV-04	7.50	12.50
5	TU3002WNV-05	10.00	15.00
6	TU3002WNV-06	12.50	17.50
7	TU3002WNV-07	15.00	20.00
8	TU3002WNV-08	17.50	22.50
9	TU3002WNV-09	20.00	25.00
10	TU3002WNV-10	22.50	27.50
11	TU3002WNV-11	25.00	30.00
12	TU3002WNV-12	27.50	32.50
13	TU3002WNV-13	30.00	35.00
14	TU3002WNV-14	32.50	37.50
15	TU3002WNV-15	35.00	40.00
16	TU3002WNV-16	37.50	42.50

Wafer Right Angle

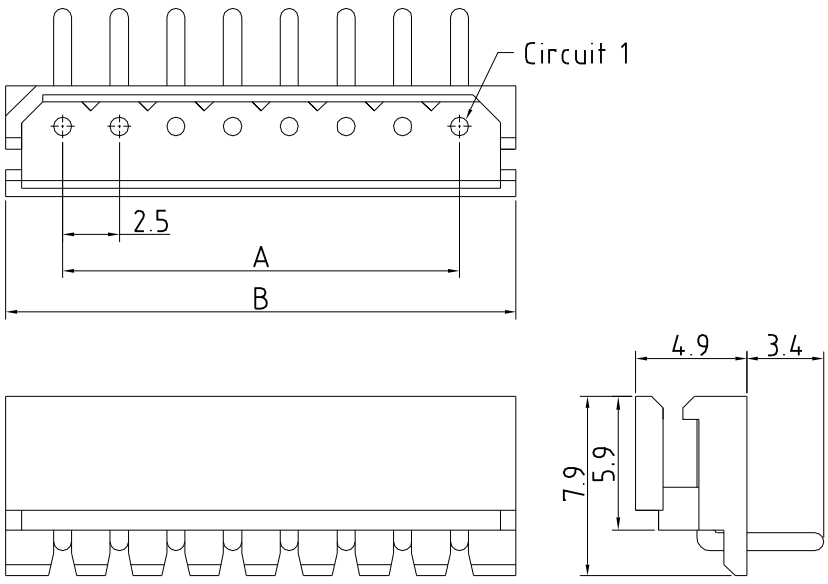
Features

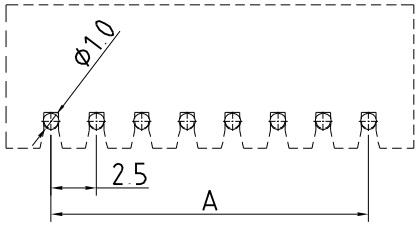
Available Number of Circuits : 02 - 16

Material : Regular Thermoplastic 94V-2

Contact: 0.7mm(.027") Round Pin Copper Alloy, Tin-plated

Mates with : TU3002 Series Housing





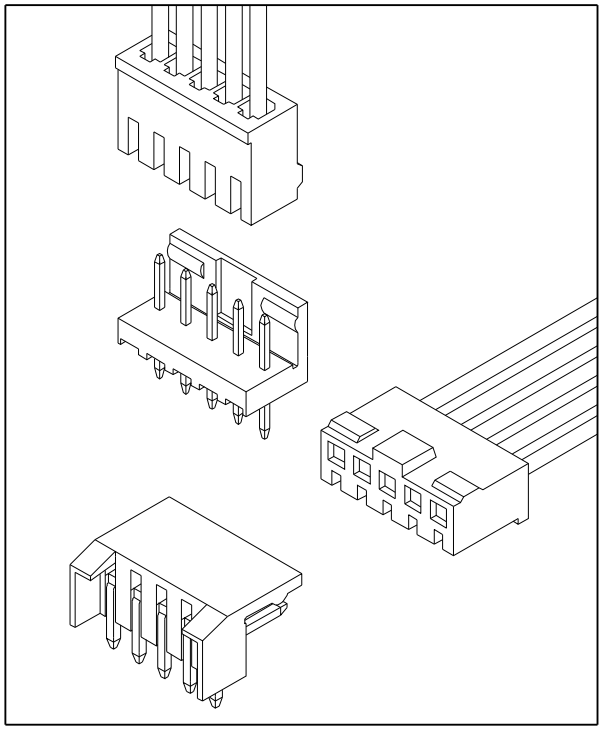
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU3002WNR-02	2.50	7.50
3	TU3002WNR-03	5.00	10.00
4	TU3002WNR-04	7.50	12.50
5	TU3002WNR-05	10.00	15.00
6	TU3002WNR-06	12.50	17.50
7	TU3002WNR-07	15.00	20.00
8	TU3002WNR-08	17.50	22.50
9	TU3002WNR-09	20.00	25.00
10	TU3002WNR-10	22.50	27.50
11	TU3002WNR-11	25.00	30.00
12	TU3002WNR-12	27.50	32.50
13	TU3002WNR-13	30.00	35.00
14	TU3002WNR-14	32.50	37.50
15	TU3002WNR-15	35.00	40.00
16	TU3002WNR-16	37.50	42.50

TU3003 SERIES

2.50mm Pitch Wire To Board Connector

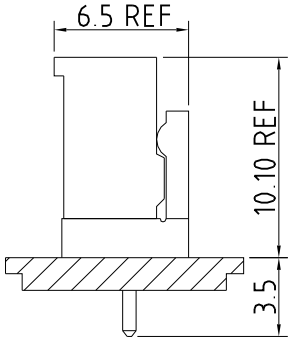


Specification

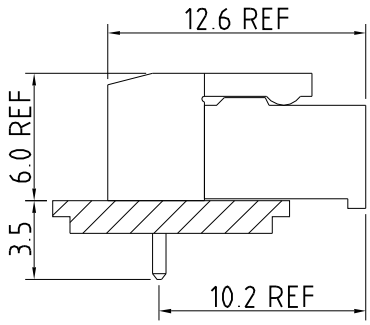
Circuits	02 - 15
Pitch	2.50mm
Current Rating	3.0A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	800V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #22 - #28
Applicable P.C.B Thickness	1.6mm
Applicable P.C.B Hole Dia.	Ø1.0mm ± 0.05

Assembly Layout

Vertical Type



Right Angle Type



TU3003 * - NP
① ② ③

① Part No. TU3003		
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU3003 SERIES

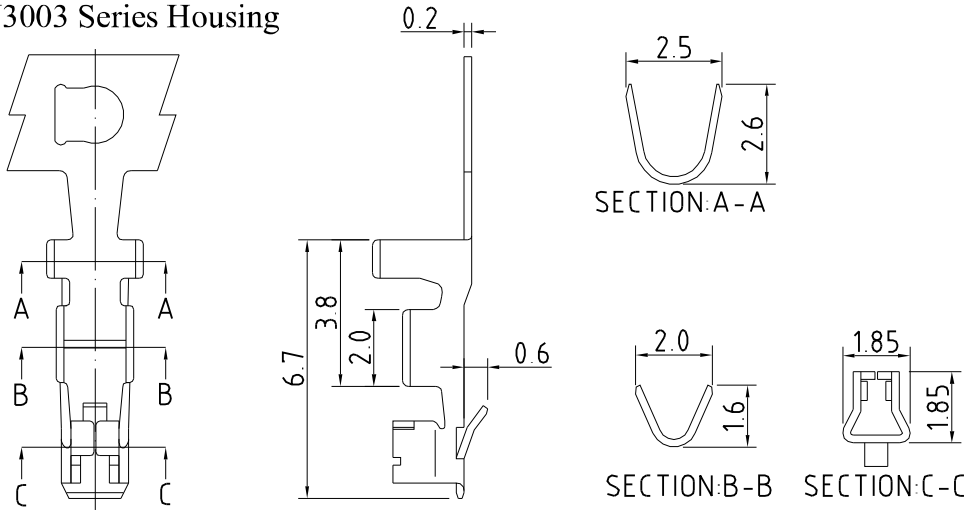
2.50mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU3003 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU3003TPO-*	AWG #22-#28	1.90mm(MAX.)	Phosphor bronze	See note	10,000 pcs

Note:

For this product in a different specification please contact TYU for more information

Housing

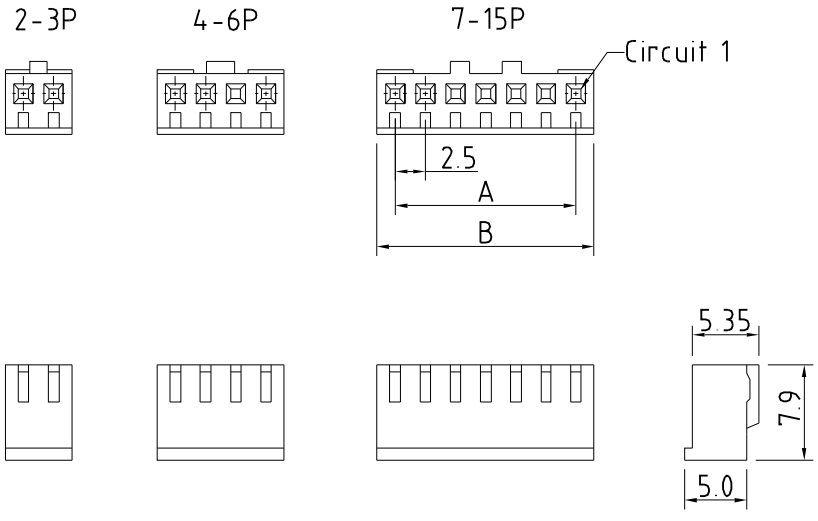
Features

Available Number of Circuits: 02 - 15

Material: Regular Thermoplastic 94V-0

Use with: TU3003 Crimp Terminal

Mates with : TU3003 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU3003HNO-02	2.50	5.50
3	TU3003HNO-03	5.00	8.00
4	TU3003HNO-04	7.50	10.50
5	TU3003HNO-05	10.00	13.00
6	TU3003HNO-06	12.50	15.50
7	TU3003HNO-07	15.00	18.00
8	TU3003HNO-08	17.50	20.50
9	TU3003HNO-09	20.00	23.00
10	TU3003HNO-10	22.50	25.50
11	TU3003HNO-11	25.00	28.00
12	TU3003HNO-12	27.50	30.50
13	TU3003HNO-13	30.00	33.00
14	TU3003HNO-14	32.50	35.50
15	TU3003HNO-15	35.00	38.00

TU3003 SERIES

2.50mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical

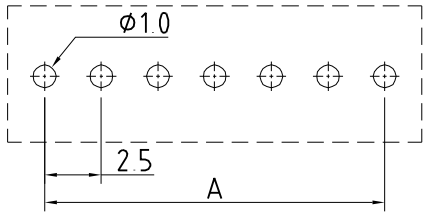
Features

Available Number of Circuits : 02 - 15

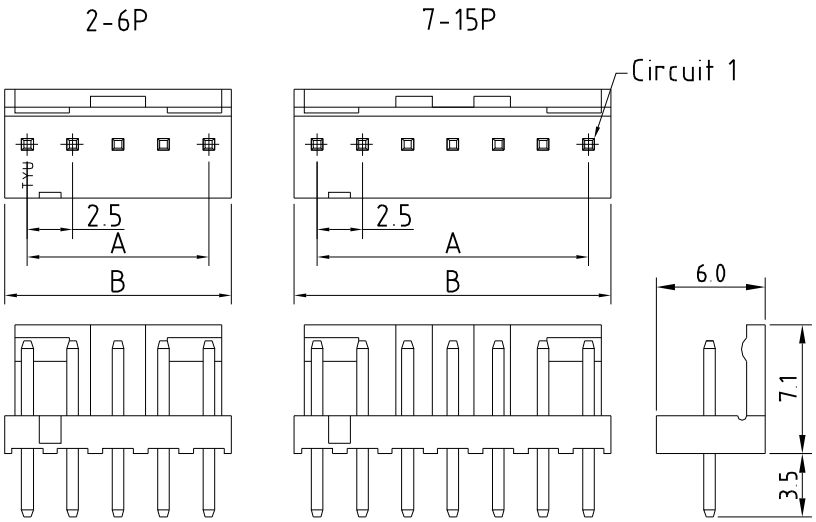
Material : Regular Thermoplastic 94V-0

Contact: 0.64mm(.025") Copper Alloy, Tin-plated

Mates with : TU3003 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU3003WNV-02	2.50	5.00
3	TU3003WNV-03	5.00	7.50
4	TU3003WNV-04	7.50	10.00
5	TU3003WNV-05	10.00	12.50
6	TU3003WNV-06	12.50	15.00
7	TU3003WNV-07	15.00	17.50
8	TU3003WNV-08	17.50	20.00
9	TU3003WNV-09	20.00	22.50
10	TU3003WNV-10	22.50	25.00
11	TU3003WNV-11	25.00	27.50
12	TU3003WNV-12	27.50	30.00
13	TU3003WNV-13	30.00	32.50
14	TU3003WNV-14	32.50	35.00
15	TU3003WNV-15	35.00	37.50

Wafer Right Angle

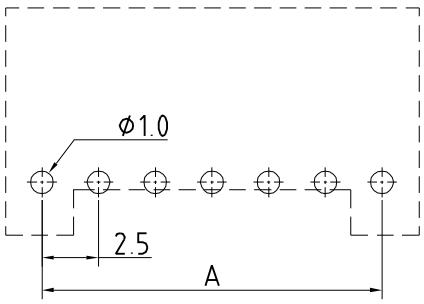
Features

Available Number of Circuits : 02 - 15

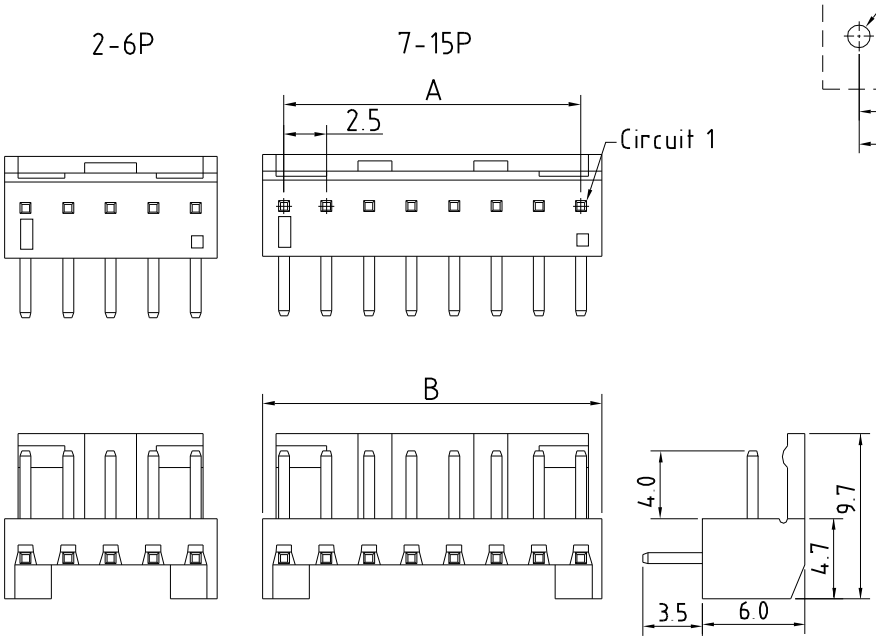
Material : Regular Thermoplastic 94V-0

Contact: 0.64mm(.025") Copper Alloy, Tin-plated

Mates with : TU3003 Series Housing



P.C.B LAYOUT

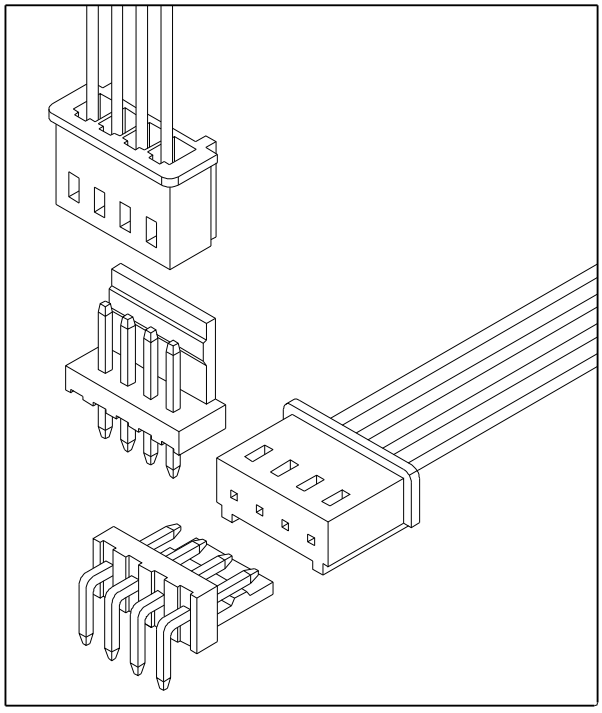


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU3003WNR-02	2.50	5.00
3	TU3003WNR-03	5.00	7.50
4	TU3003WNR-04	7.50	10.00
5	TU3003WNR-05	10.00	12.50
6	TU3003WNR-06	12.50	15.00
7	TU3003WNR-07	15.00	17.50
8	TU3003WNR-08	17.50	20.00
9	TU3003WNR-09	20.00	22.50
10	TU3003WNR-10	22.50	25.00
11	TU3003WNR-11	25.00	27.50
12	TU3003WNR-12	27.50	30.00
13	TU3003WNR-13	30.00	32.50
14	TU3003WNR-14	32.50	35.00
15	TU3003WNR-15	35.00	37.50

TU3004 SERIES

2.50mm Pitch Wire To Board Connector

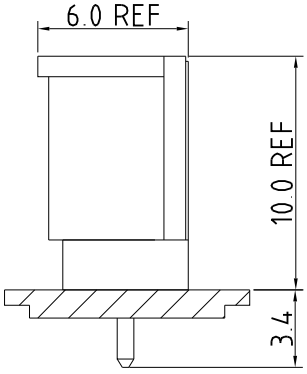


Specification

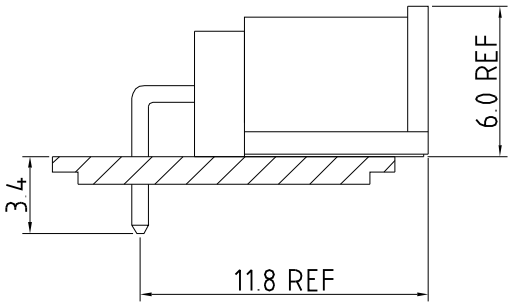
Circuits	02 - 20
Pitch	2.50mm
Current Rating	3A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	800V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #22 - #30
Applicable P.C.B Thickness	1.6mm
Applicable P.C.B Hole Dia.	Ø1.0mm ± 0.05

Assembly Layout

Vertical Type



Right Angle Type



TU3004 * - NP
① ② ③

① Part No. TU3004		
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU3004 SERIES

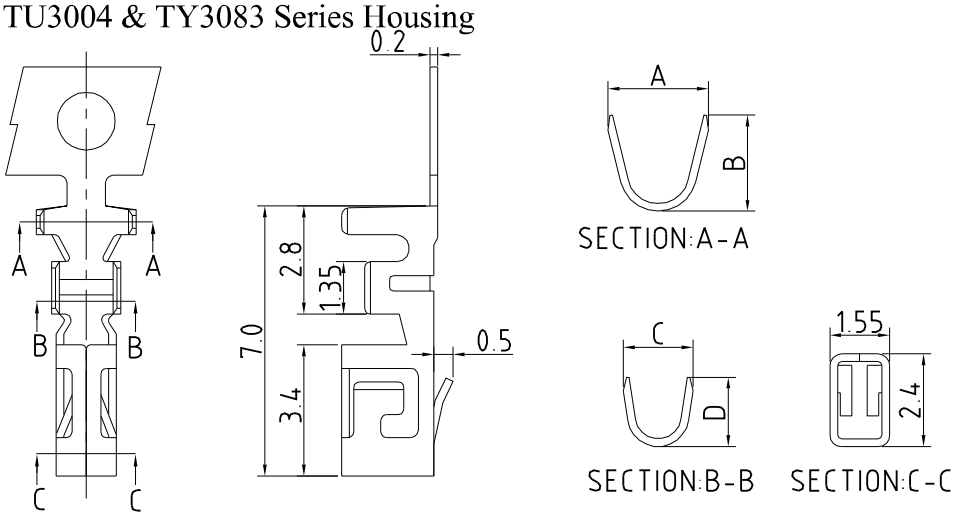
2.50mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU3004 & TY3083 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TU3004TBL-*	AWG #24-#30	1.40mm(MAX.)	2.0	1.9	1.2	1.3	Brass	See note	8,000 pcs
TU3004TBO-*	AWG #22-#28	1.70mm(MAX.)	2.6	2.5	1.85	1.8			
TU3004TPO-*							Phosphor bronze		

Note:

For this product in a different specification please contact TYU for more information

Housing

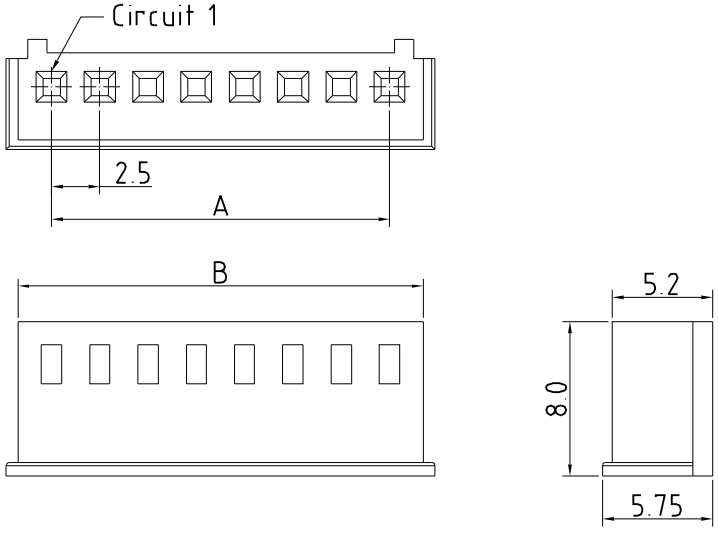
Features

Available Numble of Circuits: 02 - 20

Material: Regular Thermoplastic 94V-2

Use with: TU3004 Crimp Terminal

Mates with : TU3004 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU3004HNO-02	2.50	6.00
3	TU3004HNO-03	5.00	8.50
4	TU3004HNO-04	7.50	11.00
5	TU3004HNO-05	10.00	13.50
6	TU3004HNO-06	12.50	16.00
7	TU3004HNO-07	15.00	18.50
8	TU3004HNO-08	17.50	21.00
9	TU3004HNO-09	20.00	23.50
10	TU3004HNO-10	22.50	26.00
11	TU3004HNO-11	25.00	28.50
12	TU3004HNO-12	27.50	31.00
13	TU3004HNO-13	30.00	33.50
14	TU3004HNO-14	32.50	36.00
15	TU3004HNO-15	35.00	38.50
16	TU3004HNO-16	37.50	41.00
17	TU3004HNO-17	40.00	43.50
18	TU3004HNO-18	42.50	46.00
19	TU3004HNO-19	45.00	48.50
20	TU3004HNO-20	57.50	51.00

TU3004 SERIES

2.50mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical

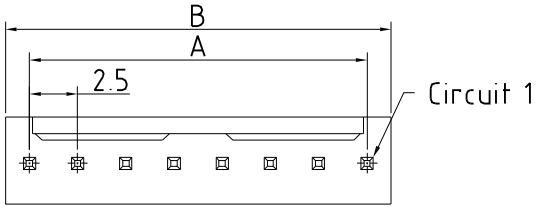
Features

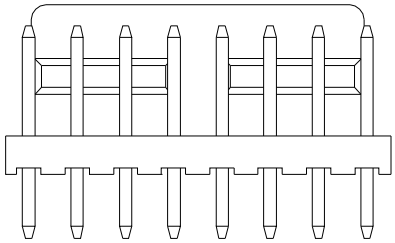
Available Number of Circuits : 02 - 20

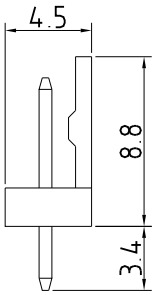
Material : Regular Thermoplastic 94V-2

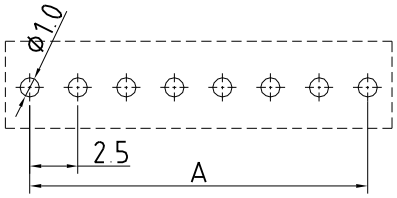
Contact: 0.64mm(.025") Copper Alloy, Tin-plated

Mates with : TU3004 Series Housing









P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU3004WNV-02	2.50	5.00
3	TU3004WNV-03	5.00	7.50
4	TU3004WNV-04	7.50	10.00
5	TU3004WNV-05	10.00	12.50
6	TU3004WNV-06	12.50	15.00
7	TU3004WNV-07	15.00	17.50
8	TU3004WNV-08	17.50	20.00
9	TU3004WNV-09	20.00	22.50
10	TU3004WNV-10	22.50	25.00
11	TU3004WNV-11	25.00	27.50
12	TU3004WNV-12	27.50	30.00
13	TU3004WNV-13	30.00	32.50
14	TU3004WNV-14	32.50	35.00
15	TU3004WNV-15	35.00	37.50
16	TU3004WNV-16	37.50	40.00
17	TU3004WNV-17	40.00	42.50
18	TU3004WNV-18	42.50	45.00
19	TU3004WNV-19	45.00	47.50
20	TU3004WNV-20	47.50	50.00

Wafer Right Angle

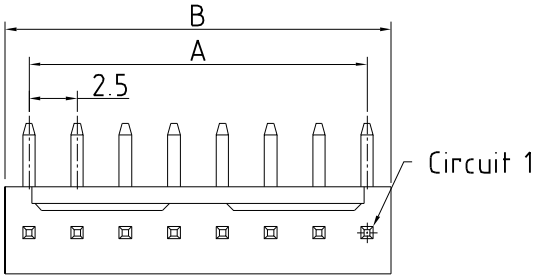
Features

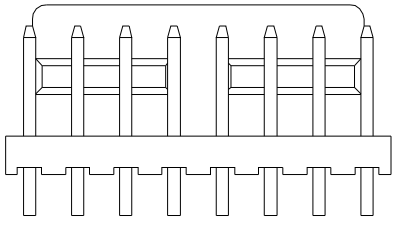
Available Number of Circuits : 02 - 20

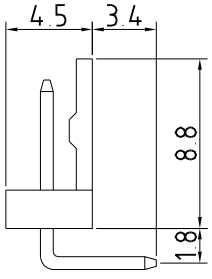
Material : Regular Thermoplastic 94V-2

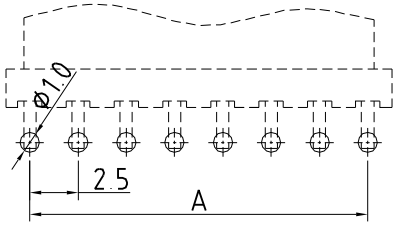
Contact: 0.64mm(.025") Copper Alloy, Tin-plated

Mates with : TU3004 Series Housing









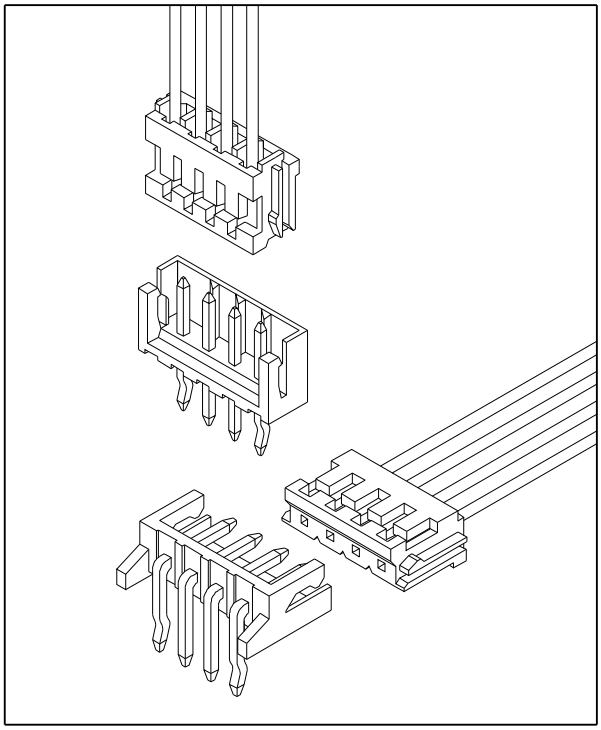
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU3004WNR-02	2.50	5.00
3	TU3004WNR-03	5.00	7.50
4	TU3004WNR-04	7.50	10.00
5	TU3004WNR-05	10.00	12.50
6	TU3004WNR-06	12.50	15.00
7	TU3004WNR-07	15.00	17.50
8	TU3004WNR-08	17.50	20.00
9	TU3004WNR-09	20.00	22.50
10	TU3004WNR-10	22.50	25.00
11	TU3004WNR-11	25.00	27.50
12	TU3004WNR-12	27.50	30.00
13	TU3004WNR-13	30.00	32.50
14	TU3004WNR-14	32.50	35.00
15	TU3004WNR-15	35.00	37.50
16	TU3004WNR-16	37.50	40.00
17	TU3004WNR-17	40.00	42.50
18	TU3004WNR-18	42.50	45.00
19	TU3004WNR-19	45.00	47.50
20	TU3004WNR-20	47.50	50.00

TU3007 SERIES

2.50mm Pitch Wire To Board Connector



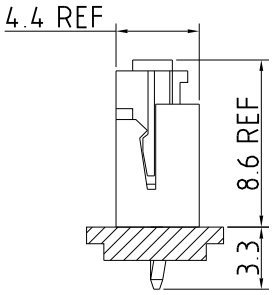
Specification

Circuits	02 - 15
Pitch	2.50mm
Current Rating	3A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	10mΩ MAX.
Withstand Voltage	800V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #22 - #28
Applicable P.C.B Thickness	1.6mm
Applicable P.C.B Hole Dia.	Ø1.0mm ± 0.05

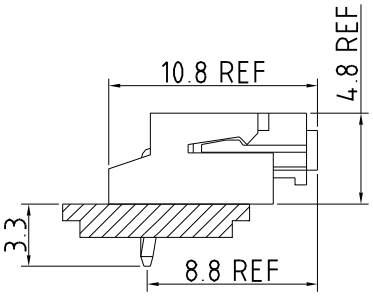
TU3007

Assembly Layout

Vertical Type



Right Angle Type



TU3007 * - NP - * - * - *
① ② ③ ④ ⑤ ⑥

① Part No. TU3007	④ Contact Plating Code Blank : As Specified (C) : Semi-gloss Tin (DIP) GO : Gold-flash over Nickel G* : *u" Gold Plated over Nickel	⑥ Product Color Blank : As Specified C* : Color of number
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer		
③ Number of Contacts: NP : Circuits	⑤ Material Code Blank : As Specified M7 : Nylon 9T UL 94V-0	

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU3007 SERIES

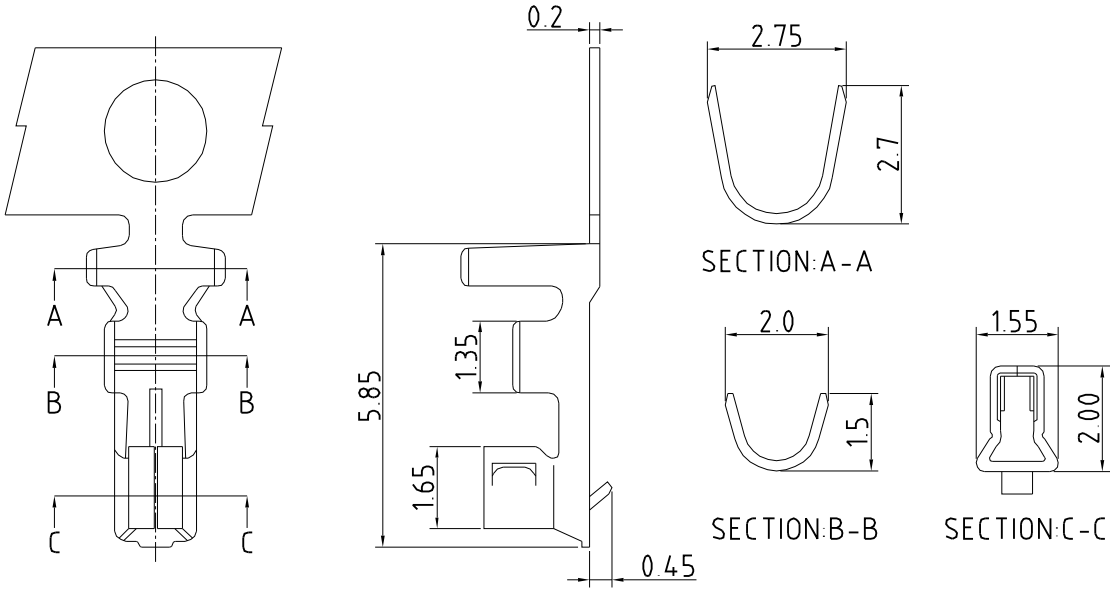
2.50mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU3007 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU3007TBO-*	AWG #22-#28	1.80mm(MAX.)	Brass	See note	10,000 pcs
TU3007TPO-*			Phosphor bronze		

Note:

For this product in a different specification please contact TYU for more information

Housing

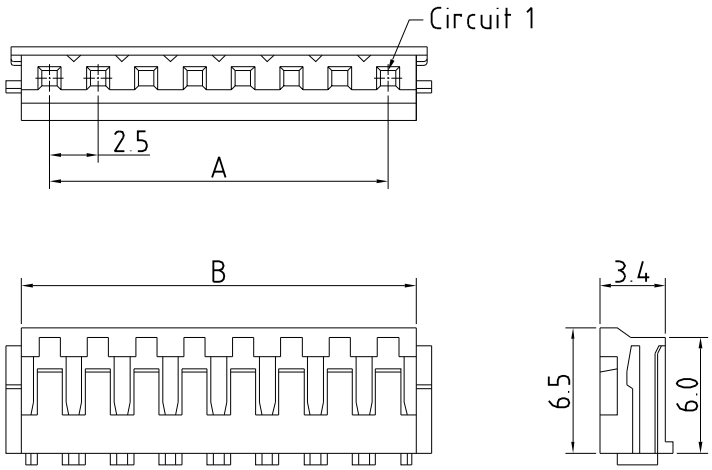
Features

Available Number of Circuits: 02 - 15

Material: Regular Thermoplastic 94V-0

Use with: TU3007 Crimp Terminal

Mates with : TU3007 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm) A	DIM.(mm) B
2	TU3007HNO-02	2.50	5.40
3	TU3007HNO-03	5.00	7.90
4	TU3007HNO-04	7.50	10.40
5	TU3007HNO-05	10.00	12.90
6	TU3007HNO-06	12.50	15.40
7	TU3007HNO-07	15.00	17.90
8	TU3007HNO-08	17.50	20.40
9	TU3007HNO-09	20.00	22.90
10	TU3007HNO-10	22.50	25.40
11	TU3007HNO-11	25.00	27.90
12	TU3007HNO-12	27.50	30.40
13	TU3007HNO-13	30.00	32.90
14	TU3007HNO-14	32.50	35.40
15	TU3007HNO-15	35.00	37.90

TU3007 SERIES

2.50mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical

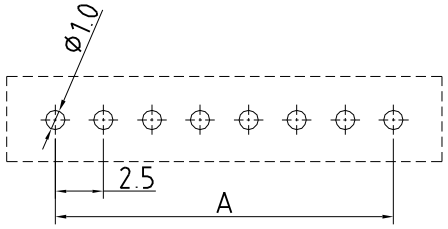
Features

Available Number of Circuits : 02 - 15

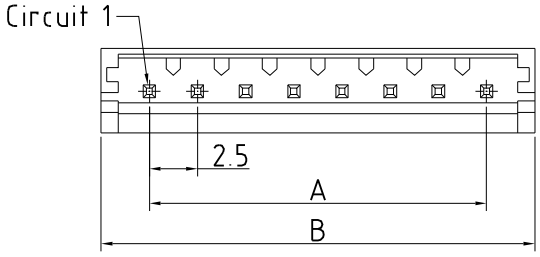
Material : Regular Thermoplastic 94V-0

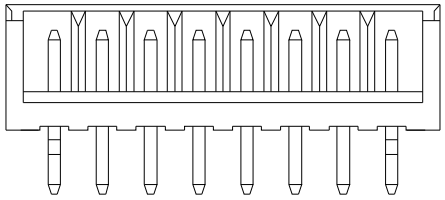
Contact: 0.64mm(.025") Copper Alloy, Tin-plated

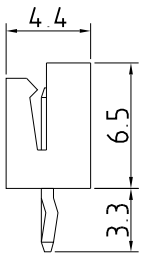
Mates with : TU3007 Series Housing



P.C.B LAYOUT







Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU3007WNV-02-*-*	2.50	7.50
3	TU3007WNV-03-*-*	5.00	10.00
4	TU3007WNV-04-*-*	7.50	12.50
5	TU3007WNV-05-*-*	10.00	15.00
6	TU3007WNV-06-*-*	12.50	17.50
7	TU3007WNV-07-*-*	15.00	20.00
8	TU3007WNV-08-*-*	17.50	22.50
9	TU3007WNV-09-*-*	20.00	25.00
10	TU3007WNV-10-*-*	22.50	27.50
11	TU3007WNV-11-*-*	25.00	30.00
12	TU3007WNV-12-*-*	27.50	32.50
13	TU3007WNV-13-*-*	30.00	35.00
14	TU3007WNV-14-*-*	32.50	37.50
15	TU3007WNV-15-*-*	35.00	40.00

Wafer Right Angle

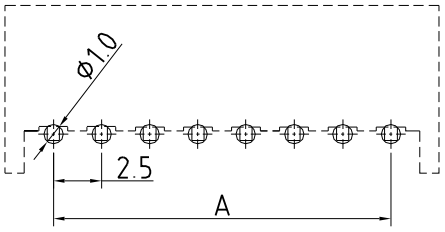
Features

Available Number of Circuits : 02 - 15

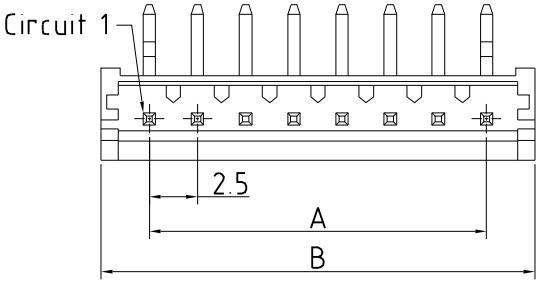
Material : Regular Thermoplastic 94V-0

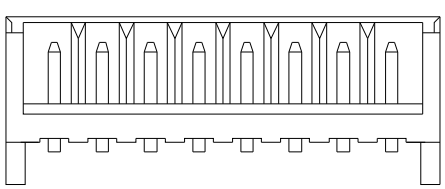
Contact: 0.64mm(.025") Copper Alloy, Tin-plated

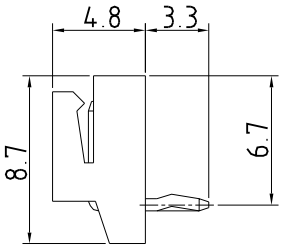
Mates with : TU3007 Series Housing



P.C.B LAYOUT





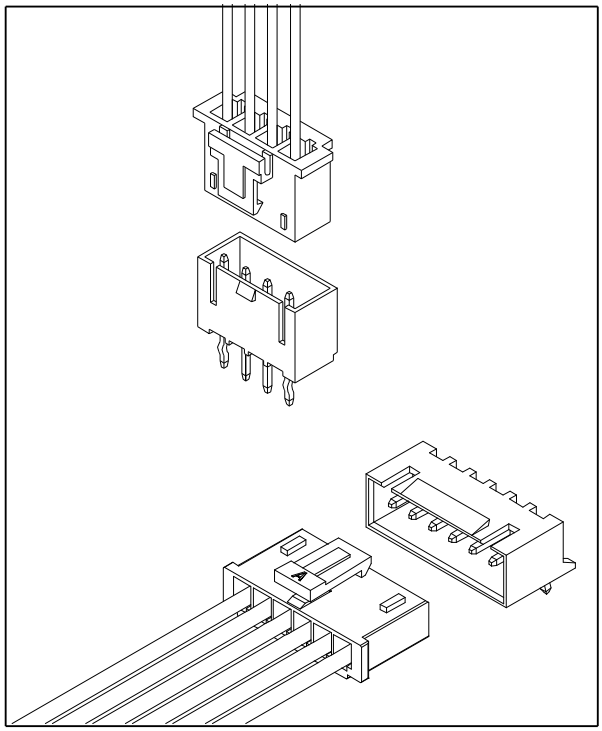


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU3007WNR-02-*-*	2.50	7.50
3	TU3007WNR-03-*-*	5.00	10.00
4	TU3007WNR-04-*-*	7.50	12.50
5	TU3007WNR-05-*-*	10.00	15.00
6	TU3007WNR-06-*-*	12.50	17.50
7	TU3007WNR-07-*-*	15.00	20.00
8	TU3007WNR-08-*-*	17.50	22.50
9	TU3007WNR-09-*-*	20.00	25.00
10	TU3007WNR-10-*-*	22.50	27.50
11	TU3007WNR-11-*-*	25.00	30.00
12	TU3007WNR-12-*-*	27.50	32.50
13	TU3007WNR-13-*-*	30.00	35.00
14	TU3007WNR-14-*-*	32.50	37.50
15	TU3007WNR-15-*-*	35.00	40.00

TU3009 SERIES

2.50mm Pitch Wire To Board Connector

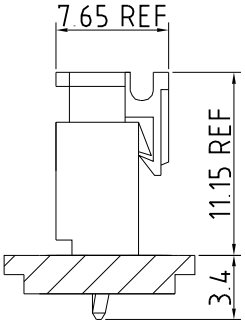


Specification

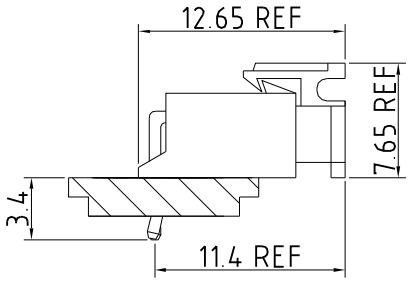
Circuits	02-16
Pitch	2.50mm
Current Rating	3A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	800V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #22 - #28
Applicable P.C.B Thickness	1.6mm
Applicable P.C.B Hole Dia.	Ø0.9mm ± 0.05

Assembly Layout

Vertical Type



Right Argle Type



TU3009 * - NP - *
① ② ③ ④

① Part No. TU3009	④ Contact Plating Code Blank : As Specified GO : Gold-flash over Nickel G* : *u" Gold Plated over Nickel	
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU3009 SERIES

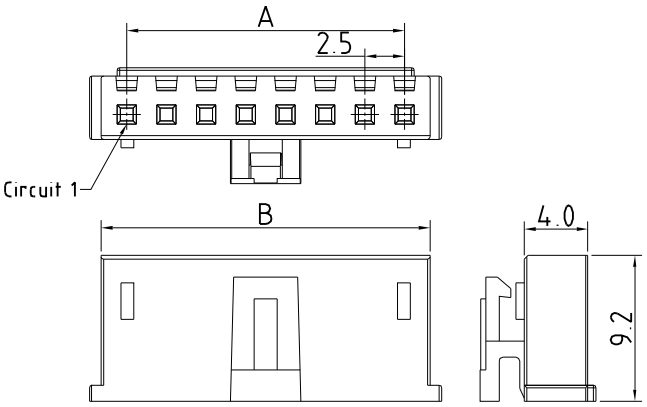
2.50mm Pitch Wire To Board Connector

Unit : mm

Housing

Features

Available Number of Circuits: 02 - 16
Material: Regular Thermoplastic 94V-0
Use with: TU3001 Crimp Terminal
Mates with : TU3009 Series Wafer



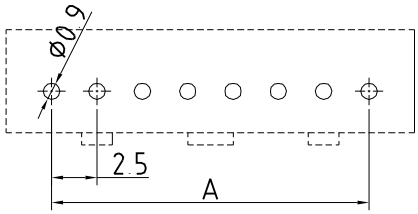
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU3009HNO-02	2.50	5.70
3	TU3009HNO-03	5.00	8.20
4	TU3009HNO-04	7.50	10.70
5	TU3009HNO-05	10.00	13.20
6	TU3009HNO-06	12.50	15.70
7	TU3009HNO-07	15.00	18.20
8	TU3009HNO-08	17.50	20.70
9	TU3009HNO-09	20.00	23.20
10	TU3009HNO-10	22.50	25.70
11	TU3009HNO-11	25.00	28.20
12	TU3009HNO-12	27.50	30.70
13	TU3009HNO-13	30.00	33.20
14	TU3009HNO-14	32.50	35.70
15	TU3009HNO-15	35.00	38.20
16	TU3009HNO-16	37.50	40.70

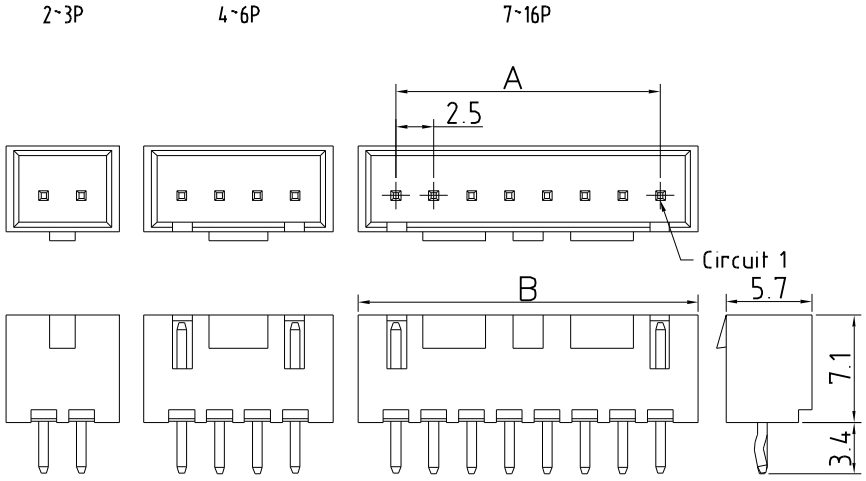
Wafer Vertical

Features

Available Number of Circuits : 02 - 16
Material : Regular Thermoplastic 94V-0
Contact: 0.64mm(.025") Copper Alloy, Tin-plated
Mates with : TU3009 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU3009WNV-02-*-*	2.50	7.50
3	TU3009WNV-03-*-*	5.00	10.00
4	TU3009WNV-04-*-*	7.50	12.50
5	TU3009WNV-05-*-*	10.00	15.00
6	TU3009WNV-06-*-*	12.50	17.50
7	TU3009WNV-07-*-*	15.00	20.00
8	TU3009WNV-08-*-*	17.50	22.50
9	TU3009WNV-09-*-*	20.00	25.00
10	TU3009WNV-10-*-*	22.50	27.50
11	TU3009WNV-11-*-*	25.00	30.00
12	TU3009WNV-12-*-*	27.50	32.50
13	TU3009WNV-13-*-*	30.00	35.00
14	TU3009WNV-14-*-*	32.50	37.50

TU3009 SERIES

2.50mm Pitch Wire To Board Connector

Unit : mm

Wafer

Right Angle

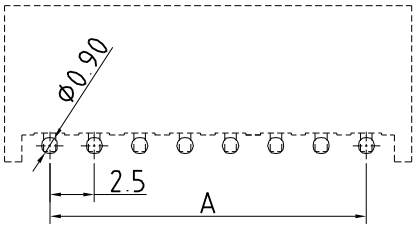
Features

Available Number of Circuits : 02 - 16

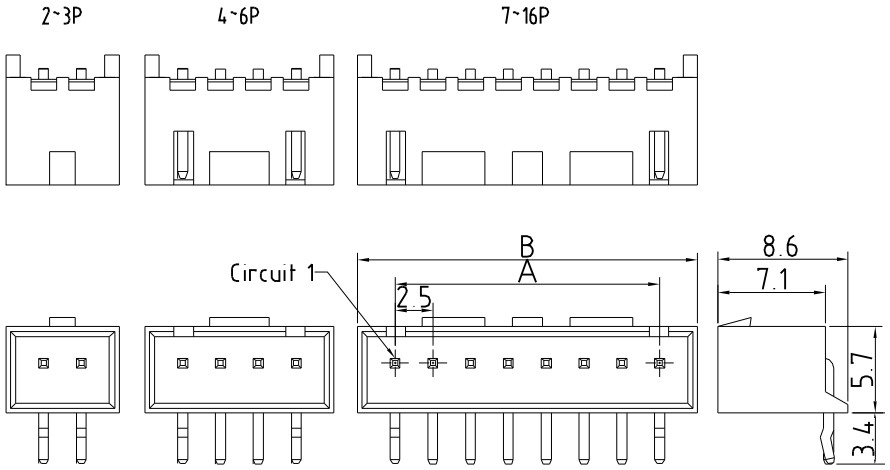
Material : Regular Thermoplastic 94V-0

Contact: 0.64mm(.025") Copper Alloy, Tin-plated

Mates with : TU3009 Series Housing



P.C.B LAYOUT

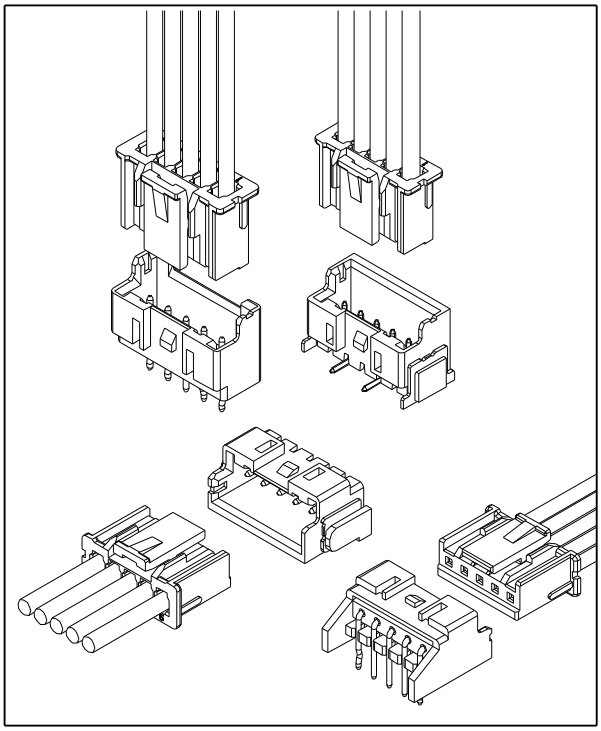


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU3009WNR-02-*-*	2.50	7.50
3	TU3009WNR-03-*-*	5.00	10.00
4	TU3009WNR-04-*-*	7.50	12.50
5	TU3009WNR-05-*-*	10.00	15.00
6	TU3009WNR-06-*-*	12.50	17.50
7	TU3009WNR-07-*-*	15.00	20.00
8	TU3009WNR-08-*-*	17.50	22.50
9	TU3009WNR-09-*-*	20.00	25.00
10	TU3009WNR-10-*-*	22.50	27.50
11	TU3009WNR-11-*-*	25.00	30.00
12	TU3009WNR-12-*-*	27.50	32.50
13	TU3009WNR-13-*-*	30.00	35.00
14	TU3009WNR-14-*-*	32.50	37.50
15	TU3009WNR-15-*-*	35.00	40.00
16	TU3009WNR-16-*-*	37.50	42.50

TU3011 SERIES

2.50mm Pitch Wire To Board Connector

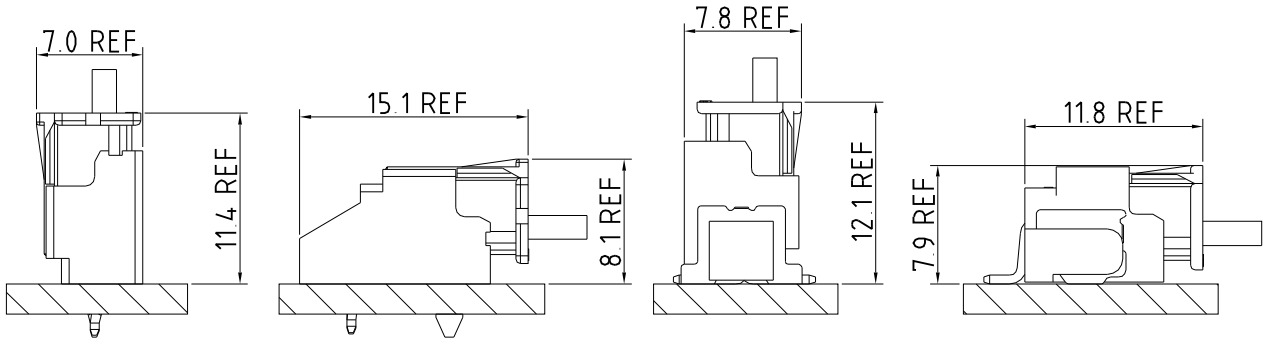


Specification

Circuits	02 - 15
Pitch	2.50mm
Current Rating	3A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	10mΩ MAX.
Withstand Voltage	1000V AC/minute
Insulation Resistance	1000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #22 - #26

Assembly Layout

Vertical DIP-Type | Right Angle DIP-Type | Vertical SMT-Type | Right Angle SMT-Type



Part No. 1 TU3011 ① * ② - NP ③ * ④

Part No. 2 TU3011 ① * ② - NP ③ * ④ K - ⑤ * ⑥ 0 *

① Part No. TU3011	④ Mount Type (Part No. 1)F : DIP-Type Wafer With Post (Part No. 1)F : 5: SMT-Type Wafer (Part No. 1)F : 7: SMT-Type Wafer With CAP	⑦ Product Color (Part No. 2) 0 : Cream (Part No. 2) 1 : Black
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer	⑤ Contact Plating Code (Part No. 2) A: Matte-Tin over Nickel (Part No. 2) 0: Gold-flash over Nickel	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU3011 SERIES

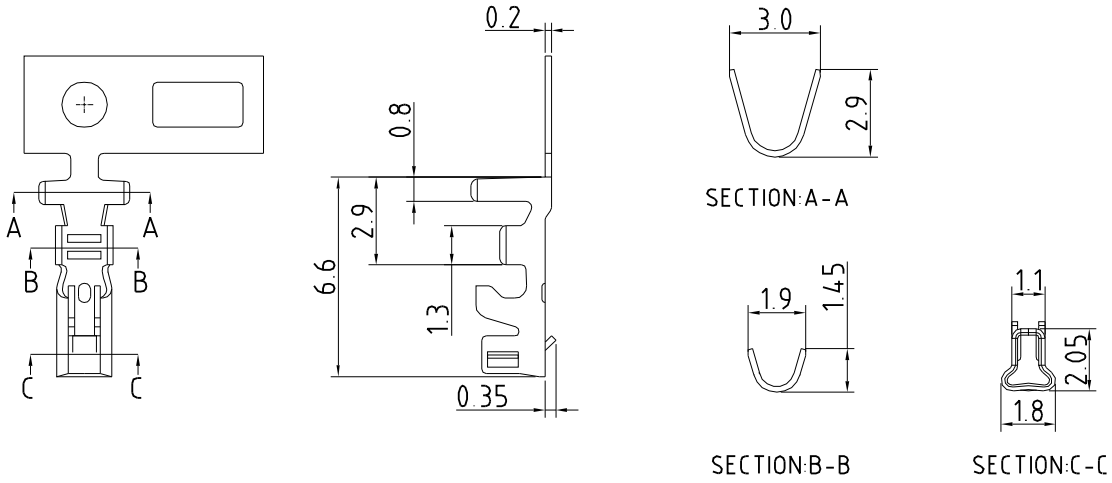
2.50mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU3011 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU3011TPO-*	AWG #22-#26	ϕ1.30~ ϕ1.70mm	Phosphor bronze	See note	8,000 pcs

Note:

For this product in a different specification please contact TYU for more information

Housing

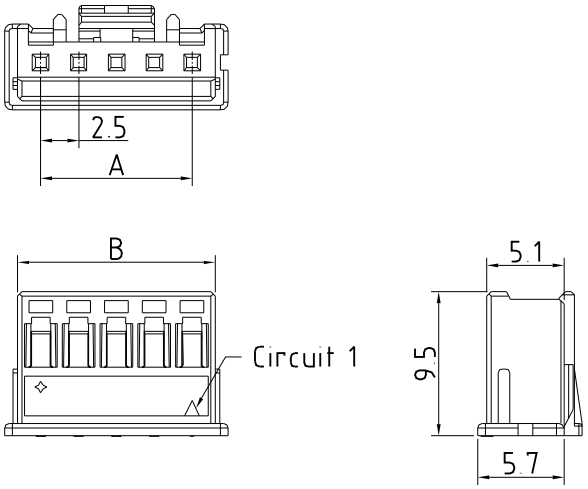
Features

Available Number of Circuits : 02 - 15

Material : Regular Thermoplastic 94V-0

Use with : TU3011 Crimp Terminal

Mates with : TU3011 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU3011HNO-02	2.50	5.60
3	TU3011HNO-03	5.00	8.10
4	TU3011HNO-04	7.50	10.60
5	TU3011HNO-05	10.00	13.10
6	TU3011HNO-06	12.50	15.60
7	TU3011HNO-07	15.00	18.10
8	TU3011HNO-08	17.50	20.60
9	TU3011HNO-09	20.00	23.10
10	TU3011HNO-10	22.50	25.60
11	TU3011HNO-11	25.00	28.10
12	TU3011HNO-12	27.50	30.60
13	TU3011HNO-13	30.00	33.10
14	TU3011HNO-14	32.50	35.60
15	TU3011HNO-15	35.00	38.10

TU3011 SERIES

2.50mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical Angle DIP-Type

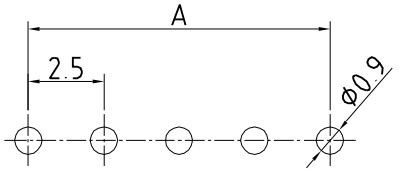
Features

Available Number of Circuits : 02 - 15

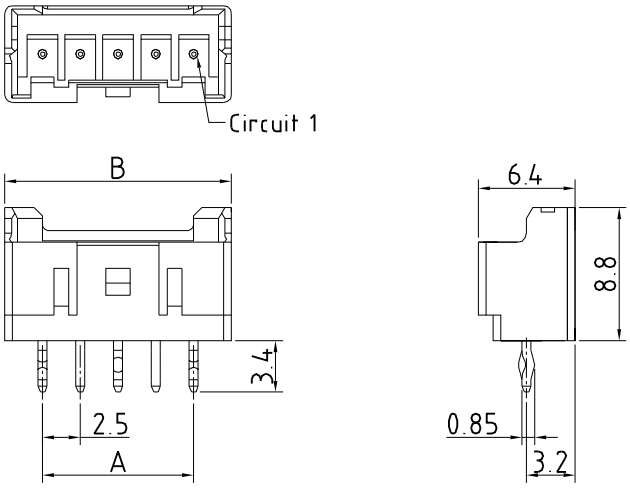
Material : Thermoplastic 94V-0

Contact : 0.60mm(.024") Copper Alloy , Tin-Plated

Mates with : TU3011 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU3011WNV-02	2.50	7.50
3	TU3011WNV-03	5.00	10.00
4	TU3011WNV-04	7.50	12.50
5	TU3011WNV-05	10.00	15.00
6	TU3011WNV-06	12.50	17.50
7	TU3011WNV-07	15.00	20.00
8	TU3011WNV-08	17.50	22.50
9	TU3011WNV-09	20.00	25.00
10	TU3011WNV-10	22.50	27.50
11	TU3011WNV-11	25.00	30.00
12	TU3011WNV-12	27.50	32.50
13	TU3011WNV-13	30.00	35.00
14	TU3011WNV-14	32.50	37.50
15	TU3011WNV-15	35.00	40.00

Wafer Vertical DIP-Type With Post

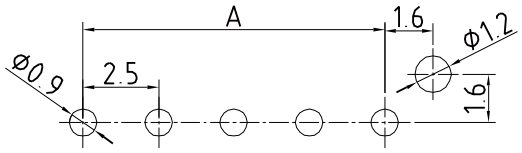
Features

Available Number of Circuits : 02 - 15

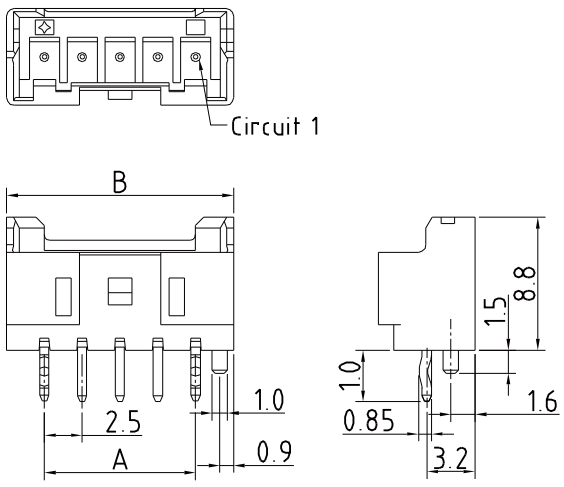
Material : Thermoplastic 94V-0

Contact : 0.60mm(.024") Copper Alloy , Tin-Plated

Mates with : TU3011 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU3011WNV-02F	2.50	7.50
3	TU3011WNV-03F	5.00	10.00
4	TU3011WNV-04F	7.50	12.50
5	TU3011WNV-05F	10.00	15.00
6	TU3011WNV-06F	12.50	17.50
7	TU3011WNV-07F	15.00	20.00
8	TU3011WNV-08F	17.50	22.50
9	TU3011WNV-09F	20.00	25.00
10	TU3011WNV-10F	22.50	27.50
11	TU3011WNV-11F	25.00	30.00
12	TU3011WNV-12F	27.50	32.50
13	TU3011WNV-13F	30.00	35.00
14	TU3011WNV-14F	32.50	37.50
15	TU3011WNV-15F	35.00	40.00

TU3011 SERIES

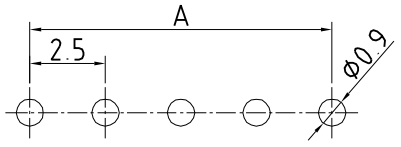
2.50mm Pitch Wire To Board Connector

Unit : mm

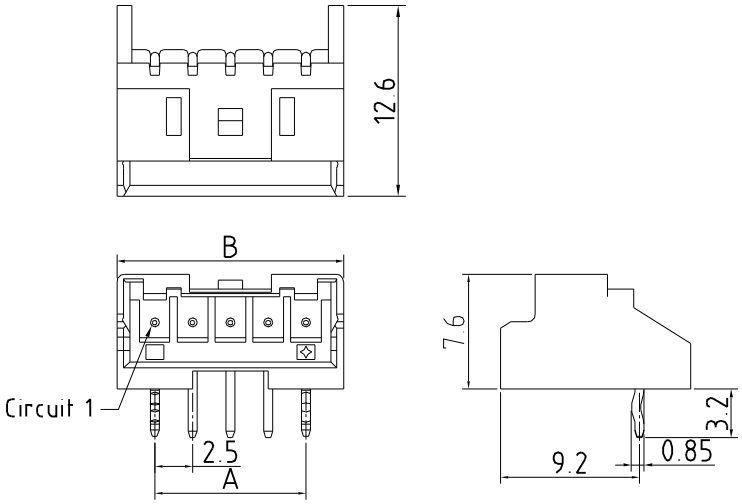
Wafer Right Angle DIP-Type

Features

Available Number of Circuits : 02 - 15
Material : Thermoplastic 94V-0
Contact : 0.60mm(.024") Copper Alloy , Tin-Plated
Mates with : TU3011 Series Housing



P.C.B LAYOUT



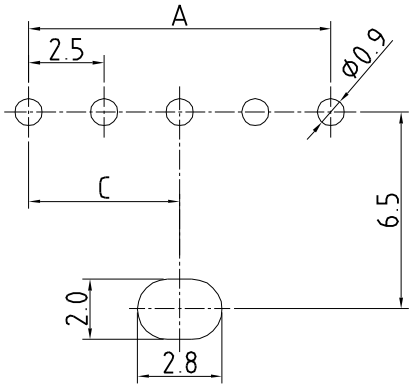
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU3011WNR-02	2.50	7.50
3	TU3011WNR-03	5.00	10.00
4	TU3011WNR-04	7.50	12.50
5	TU3011WNR-05	10.00	15.00
6	TU3011WNR-06	12.50	17.50
7	TU3011WNR-07	15.00	20.00
8	TU3011WNR-08	17.50	22.50
9	TU3011WNR-09	20.00	25.00
10	TU3011WNR-10	22.50	27.50
11	TU3011WNR-11	25.00	30.00
12	TU3011WNR-12	27.50	32.50
13	TU3011WNR-13	30.00	35.00
14	TU3011WNR-14	32.50	37.50
15	TU3011WNR-15	35.00	40.00

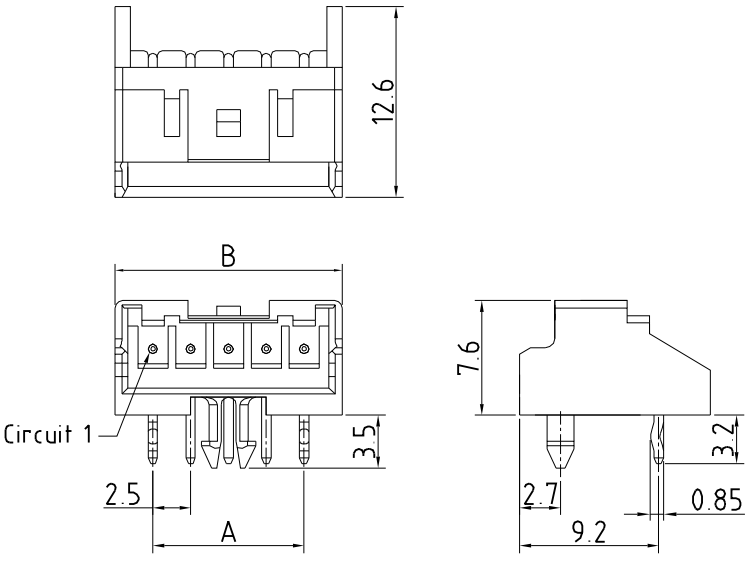
Wafer Right Angle DIP-Type With Post

Features

Available Number of Circuits : 02 - 15
Material : Thermoplastic 94V-0
Contact : 0.60mm(.024") Copper Alloy , Tin-Plated
Mates with : TU3011 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
2	TU3011WNR-02F	2.50	7.50	1.25
3	TU3011WNR-03F	5.00	10.00	2.50
4	TU3011WNR-04F	7.50	12.50	3.75
5	TU3011WNR-05F	10.00	15.00	5.00
6	TU3011WNR-06F	12.50	17.50	6.25
7	TU3011WNR-07F	15.00	20.00	7.50
8	TU3011WNR-08F	17.50	22.50	8.75
9	TU3011WNR-09F	20.00	25.00	10.00
10	TU3011WNR-10F	22.50	27.50	11.25
11	TU3011WNR-11F	25.00	30.00	12.50
12	TU3011WNR-12F	27.50	32.50	13.75
13	TU3011WNR-13F	30.00	35.00	15.00
14	TU3011WNR-14F	32.50	37.50	16.25
15	TU3011WNR-15F	35.00	40.00	17.50

TU3011 SERIES

2.50mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical Angle SMT-Type

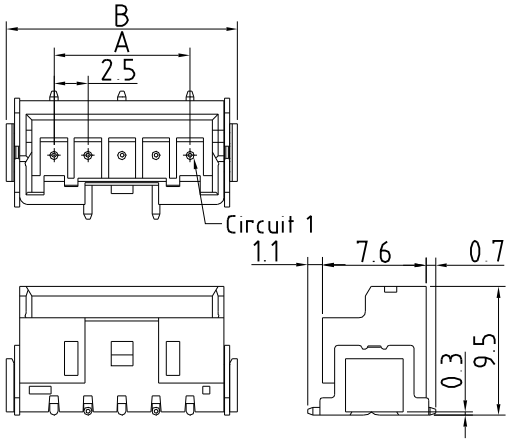
Features

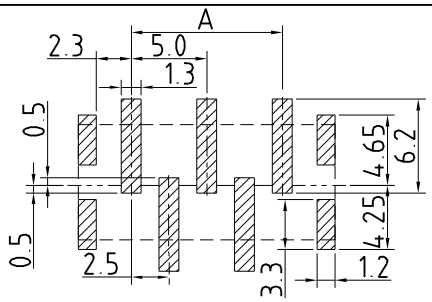
Available Number of Circuits : 02 - 15

Material : Thermoplastic 94V-0

Contact : 0.60mm(.024") Copper Alloy , Tin-Plated

Mates with : TU3011 Series Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU3011WNV-027K-*0*	2.50	9.50
3	TU3011WNV-037K-*0*	5.00	12.00
4	TU3011WNV-047K-*0*	7.50	14.50
5	TU3011WNV-057K-*0*	10.00	17.00
6	TU3011WNV-067K-*0*	12.50	19.50
7	TU3011WNV-077K-*0*	15.00	22.00
8	TU3011WNV-087K-*0*	17.50	24.50
9	TU3011WNV-097K-*0*	20.00	27.00
10	TU3011WNV-107K-*0*	22.50	29.50
11	TU3011WNV-117K-*0*	25.00	32.00
12	TU3011WNV-127K-*0*	27.50	34.50
13	TU3011WNV-137K-*0*	30.00	37.00
14	TU3011WNV-147K-*0*	32.50	39.50
15	TU3011WNV-157K-*0*	35.00	42.00

Wafer Right Angle SMT-Type

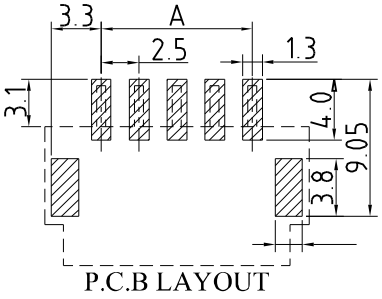
Features

Available Number of Circuits : 02 - 15

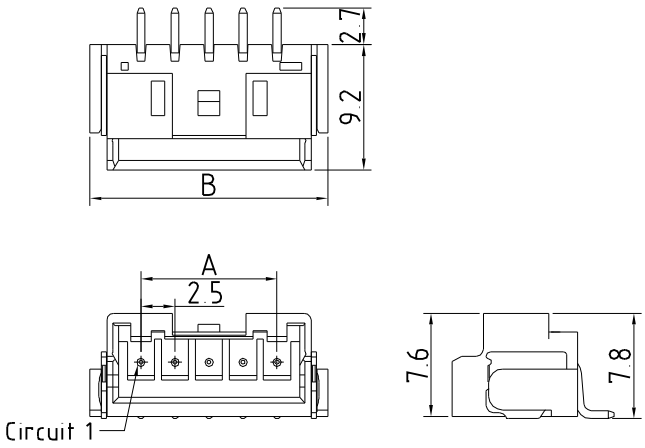
Material : Thermoplastic 94V-0

Contact : 0.60mm(.024") Copper Alloy , Tin-Plated

Mates with : TU3011 Series Housing



P.C.B LAYOUT

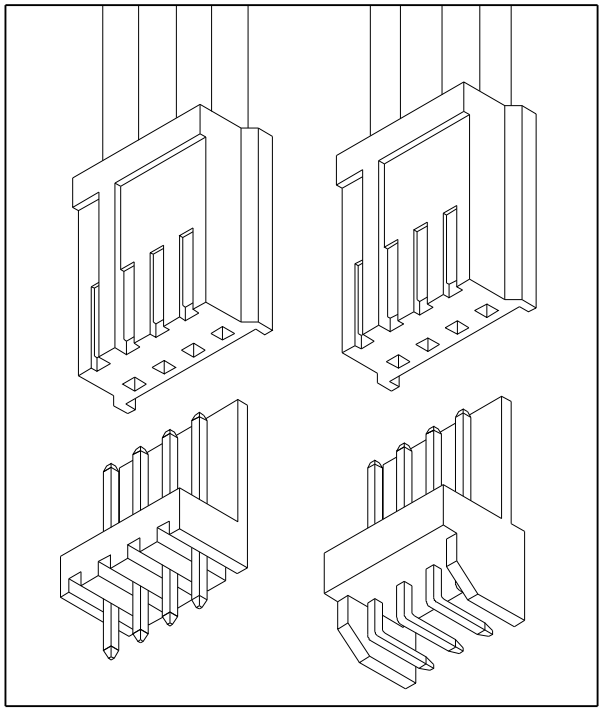


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU3011WNR-025K-*0*	2.50	10.00
3	TU3011WNR-035K-*0*	5.00	12.50
4	TU3011WNR-045K-*0*	7.50	15.00
5	TU3011WNR-055K-*0*	10.00	17.50
6	TU3011WNR-065K-*0*	12.50	20.00
7	TU3011WNR-075K-*0*	15.00	22.50
8	TU3011WNR-085K-*0*	17.50	25.00
9	TU3011WNR-095K-*0*	20.00	27.50
10	TU3011WNR-105K-*0*	22.50	30.00
11	TU3011WNR-115K-*0*	25.00	32.50
12	TU3011WNR-125K-*0*	27.50	35.00
13	TU3011WNR-135K-*0*	30.00	37.50
14	TU3011WNR-145K-*0*	32.50	40.00
15	TU3011WNR-155K-*0*	35.00	42.50

TU5004 SERIES

2.50mm Pitch Wire To Board Connector

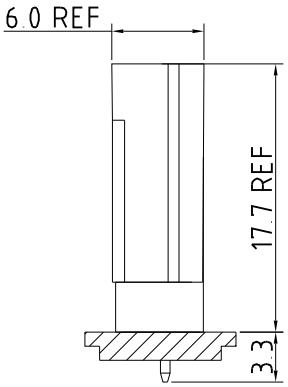


Specification

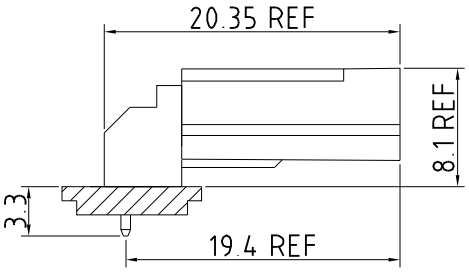
Circuits	02 - 12
Pitch	2.50m
Current Rating	3A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	800V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #22 - #28
Applicable P.C.B Thickness	1.6mm
Applicable P.C.B Hole Dia.	Ø1.0mm ± 0.05

Assembly Layout

Vertical Type



Right Angle Type



TU5004 * - NP * - * - * - *
① ② ③ ④ ⑤ ⑥ ⑦

① Part No. TU5003,4	④ Mount Type B : B-Type Wafer	⑥ Material Code Blank : As Specified M10 : Nylon 4T UL 94V-0
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer	⑤ Contact Plating Code Blank : As Specified GO : Gold-flash over Nickel G*: Gold *u" Over Nickel	⑦ Product Color Blank : As Specified C* : Color of number
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU5004 SERIES

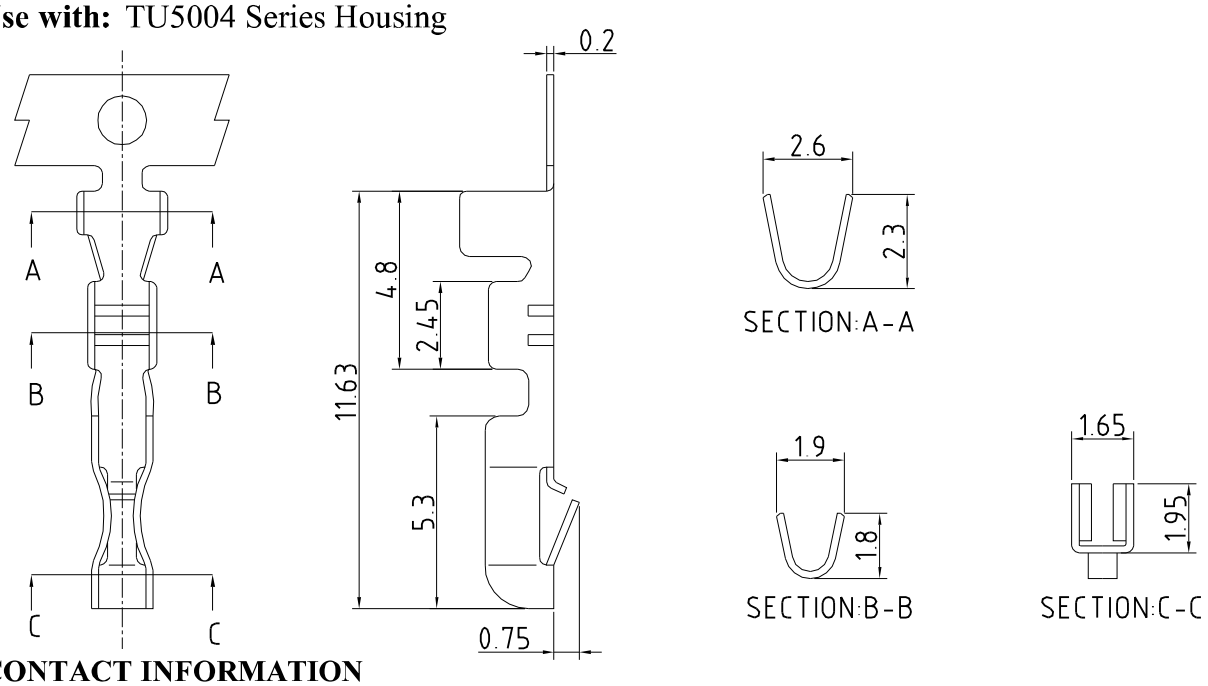
2.50mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU5004 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU5004TBO-*	AWG #22-#28	1.70mm(MAX.)	Brass	See note	10,000 pcs
TU5004TPO-*			Phosphor bronze		

Note:
For this product in a different specification please contact TYU for more information

Housing

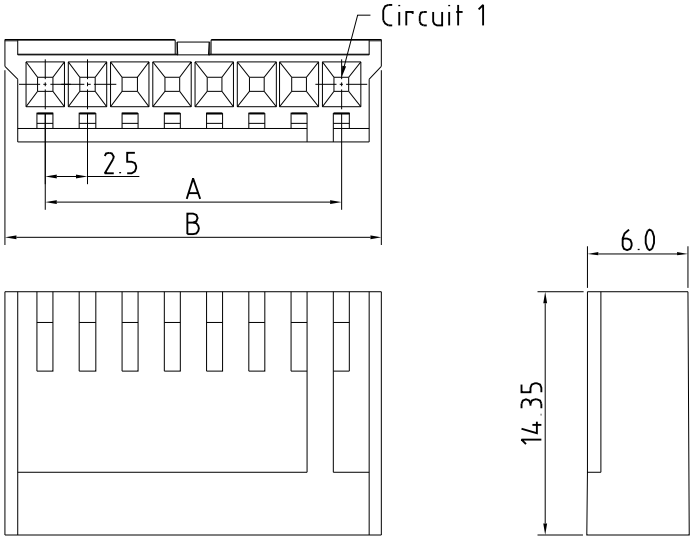
Features

Available Number of Circuits: 02 - 12

Material: Regular Thermoplastic 94V-0

Use with: TU5004 Crimp Terminal

Mates with : TU5004 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5004HNO-02	2.50	7.25
3	TU5004HNO-03	5.00	9.75
4	TU5004HNO-04	7.50	12.25
5	TU5004HNO-05	10.00	14.75
6	TU5004HNO-06	12.50	17.25
7	TU5004HNO-07	15.00	19.75
8	TU5004HNO-08	17.50	22.25
9	TU5004HNO-09	20.00	24.75
10	TU5004HNO-10	22.50	27.25
11	TU5004HNO-11	25.00	29.75
12	TU5004HNO-12	27.50	32.25

TU5004 SERIES

2.50mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical

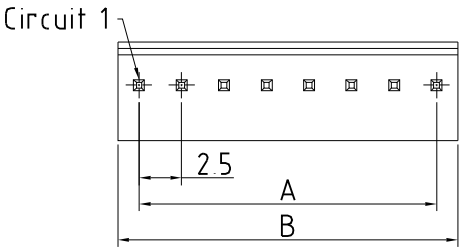
Features

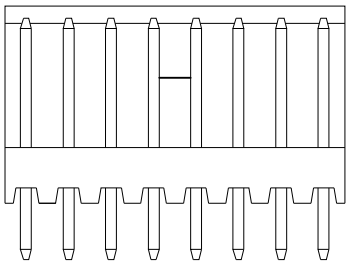
Available Number of Circuits : 02 - 12

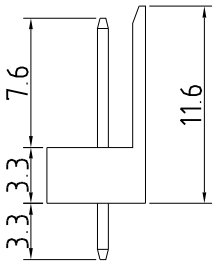
Material : Regular Thermoplastic 94V-0

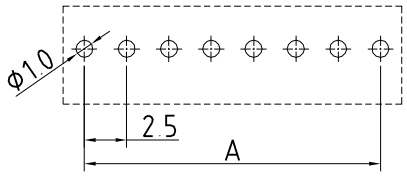
Contact: 0.64mm(.025") Copper Alloy, Tin-plated

Mates with : TU5004 Series Housing









P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5004WNV-02	2.50	5.00
3	TU5004WNV-03	5.00	7.50
4	TU5004WNV-04	7.50	10.00
5	TU5004WNV-05	10.00	12.50
6	TU5004WNV-06	12.50	15.00
7	TU5004WNV-07	15.00	17.50
8	TU5004WNV-08	17.50	20.00
9	TU5004WNV-09	20.00	22.50
10	TU5004WNV-10	22.50	25.00
11	TU5004WNV-11	25.00	27.50
12	TU5004WNV-12	27.50	30.00

Wafer Right Angle

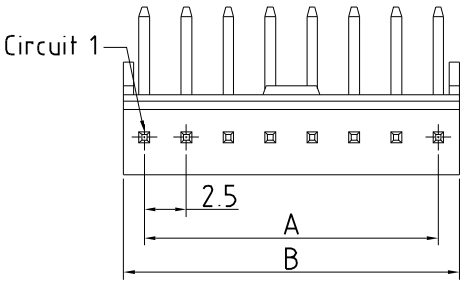
Features

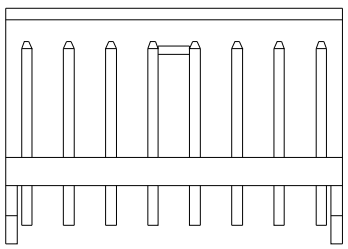
Available Number of Circuits : 02 - 12

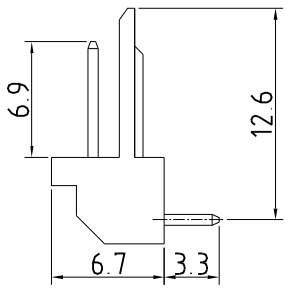
Material : Regular Thermoplastic 94V-0

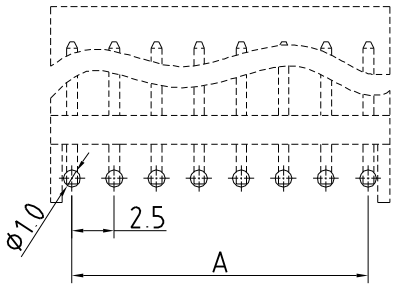
Contact: 0.64mm(.025") Copper Alloy, Tin-plated

Mates with : TU5004 Series Housing









P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5004WNR-02	2.50	5.00
3	TU5004WNR-03	5.00	7.50
4	TU5004WNR-04	7.50	10.00
5	TU5004WNR-05	10.00	12.50
6	TU5004WNR-06	12.50	15.00
7	TU5004WNR-07	15.00	17.50
8	TU5004WNR-08	17.50	20.00
9	TU5004WNR-09	20.00	22.50
10	TU5004WNR-10	22.50	25.00
11	TU5004WNR-11	25.00	27.50
12	TU5004WNR-12	27.50	30.00

TU5004 SERIES

2.50mm Pitch Wire To Board Connector

Unit : mm

Wafer

Right Angle B-TYPE

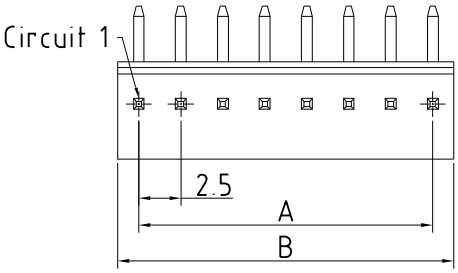
Features

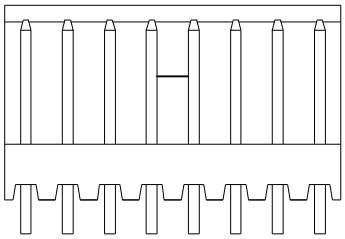
Available Number of Circuits : 02 - 12

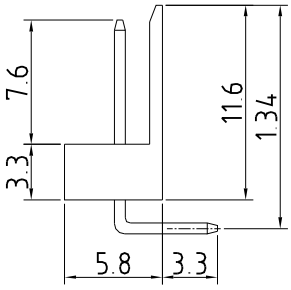
Material : Regular Thermoplastic 94V-0

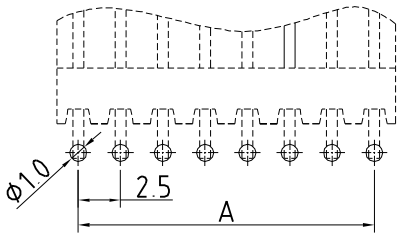
Contact: 0.64mm(.025") Copper Alloy, Tin-plated

Mates with : TU5004 Series Housing









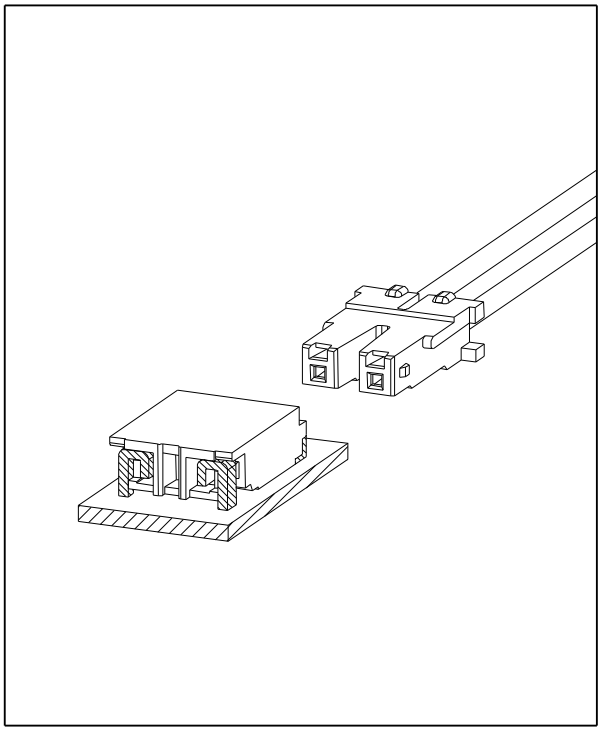
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5004WNR-02B	2.50	5.00
3	TU5004WNR-03B	5.00	7.50
4	TU5004WNR-04B	7.50	10.00
5	TU5004WNR-05B	10.00	12.50
6	TU5004WNR-06B	12.50	15.00
7	TU5004WNR-07B	15.00	17.50
8	TU5004WNR-08B	17.50	20.00
9	TU5004WNR-09B	20.00	22.50
10	TU5004WNR-10B	22.50	25.00
11	TU5004WNR-11B	25.00	27.50
12	TU5004WNR-12B	27.50	30.00

TU3501 SERIES

3.50mm Pitch Wire To Board Connector

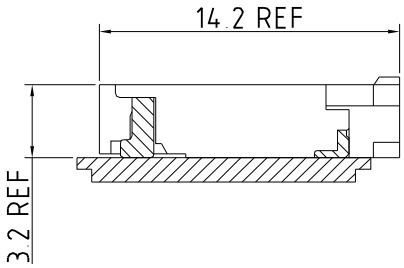


Specification

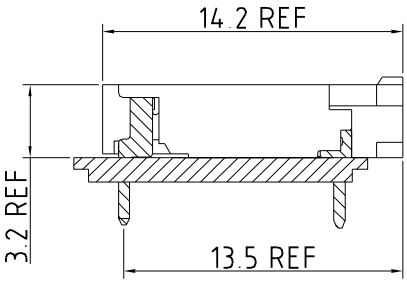
Circuits	02
Pitch	3.50mm
Current Rating	4.8A AC/DC (AWG#24) 3.6A AC/DC (AWG#26) 2.7A AC/DC (AWG#28)
Voltage Rating	1,400V AC/DC
Contact Resistance	10mΩ MAX.
Withstand Voltage	3,800V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #24 - #28

Assembly Layout

S-Type



F-Type



TU3501 * - NP * - *
① ② ③ ④ ⑤

① Part No. TU3501	④ Mount Type S : SMT-Type Wafer SK : SMT With Lock Type Wafer F : DIP-Type Wafer With Post	
② Connection Type: HNO : Terminal Socket WNR : Right Angle Wafer		
③ Number of Contacts: NP : Circuits	⑤ Product Color Blank : As Specified C* : Color of number	

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU3501 SERIES

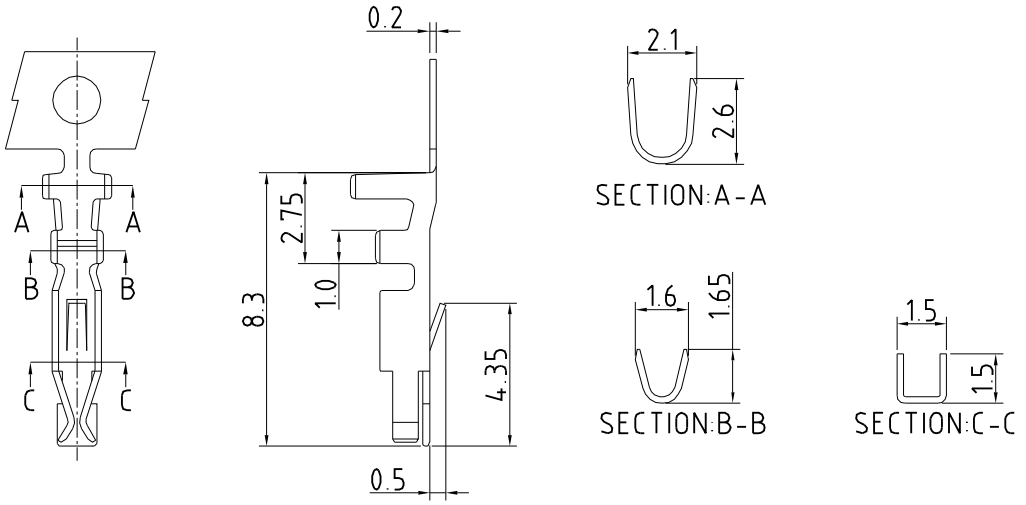
3.50mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU3501 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU3501TPO-*	AWG #24-#28	1.70mm(MAX.)	Phosphor bronze	See note	10,000 pcs

Note:

For this product in a different specification please contact TYU for more information

Housing

Features

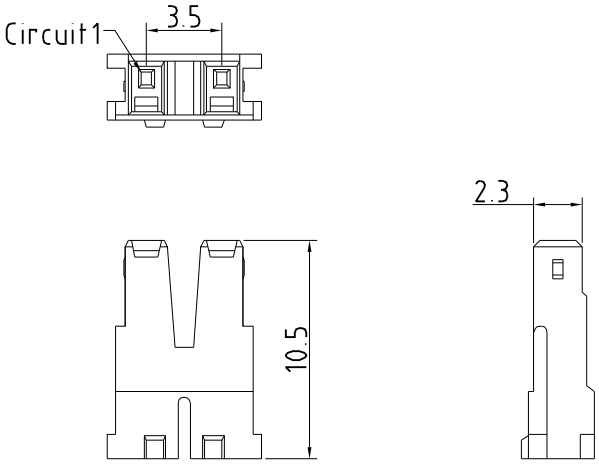
Available Number of Circuits : 02

Material : Regular Thermoplastic 94V-0

Use with : TU3501 Crimp Terminal

Mates with : TU3501 Series Wafer

Part No. TU3501HNO-02



TU3501 SERIES

3.50mm Pitch Wire To Board Connector

Unit : mm

Housing K Type

Features

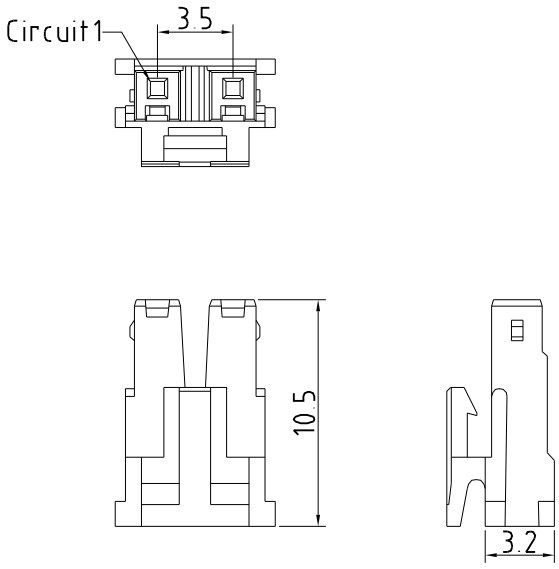
Available Number of Circuits : 02

Material : Regular Thermoplastic 94V-0

Use with : TU3501 Crimp Terminal

Mates with : TU3501 Series K-Type Wafer

Part No. TU3501HNO-02K



Wafer S-Type

Features

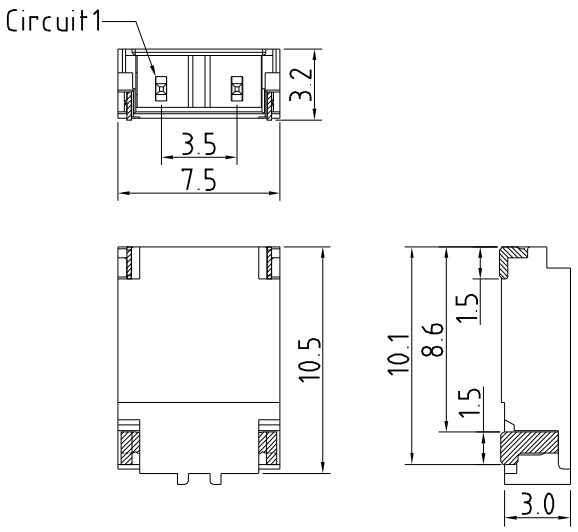
Available Number of Circuits : 02

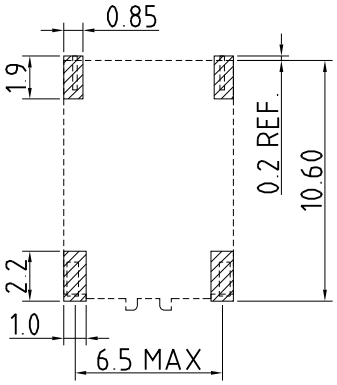
Material : High Temperature Thermoplastic 94V-0

Contact : 0.5mm(.020") Copper Alloy , Tin-plated

Mates with : TU3501 Series Housing

Part No. TU3501WNR-02S-*





P.C.B LAYOUT

TU3501 SERIES

3.50mm Pitch Wire To Board Connector

Unit : mm

Wafer SK-Type

Features

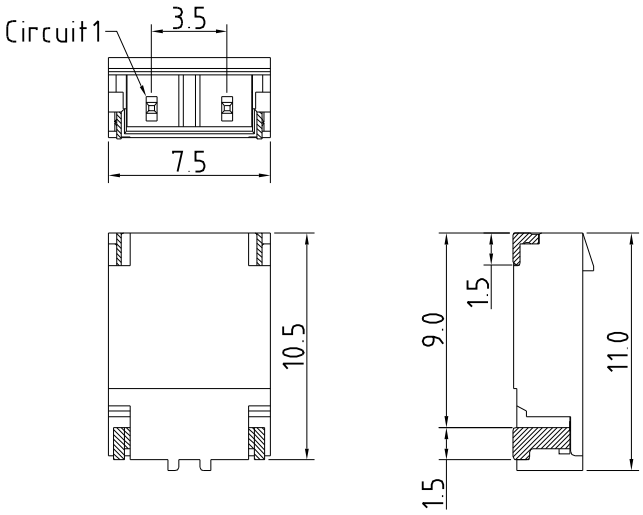
Available Number of Circuits : 02

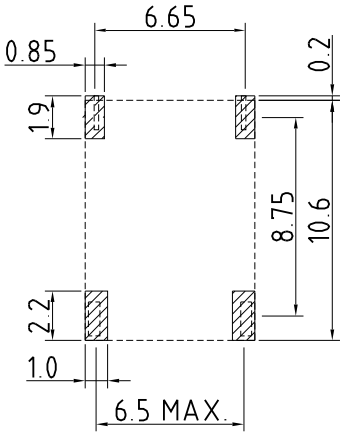
Material : High Temperature Thermoplastic 94V-0

Contact : Contact : 0.5mm(.020") Copper Alloy , Tin-plated

Mates with : TU3501 Series K-Type Housing

Part No. TU3501WNR-02SK





P.C.B LAYOUT

Wafer F-Type

Features

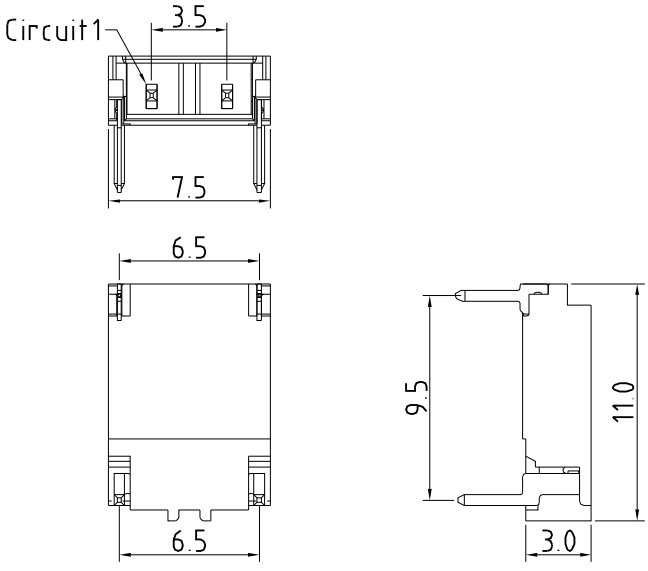
Available Number of Circuits : 02

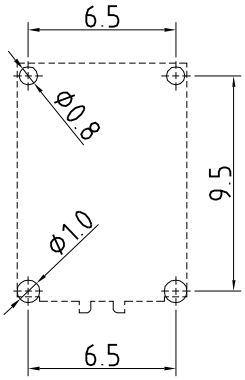
Material : High Temperature Thermoplastic 94V-0

Contact : Contact : 0.5mm(.020") Copper Alloy , Tin-plated

Mates with : TU3501 Series Housing

Part No. TU3501WNR-02F-*

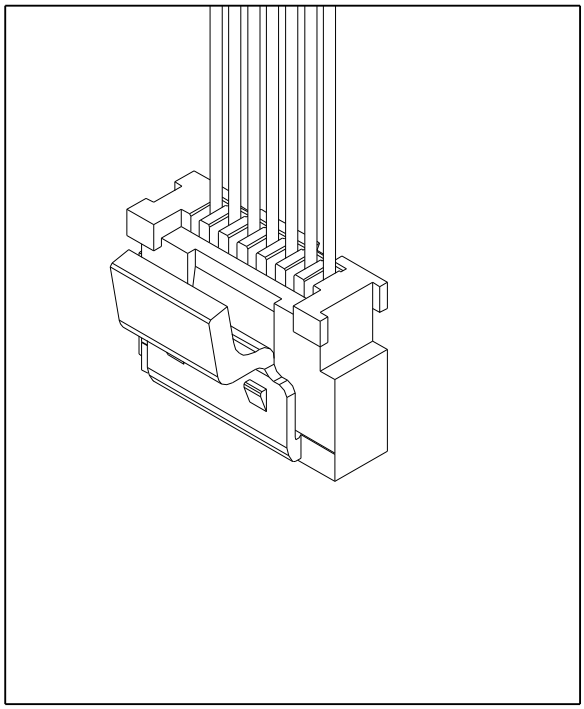




P.C.B LAYOUT

TU1271 SERIES

1.27mm Pitch Wire To Board Connector



Specification

Circuits	07
Pitch	1.27mm
Current Rating	1.5 A AC/DC
Voltage Rating	50V AC/DC
Contact Resistance	30mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #26 - #30

TU1271 * - NP * - *
① ② ③ ④ ⑤

① Part No. TU1271	④ Mount Type K : K-Type Housing	
② Connection Type: HNO : Terminal Socket	⑤ Contact Plating Code Blank : As Specified GO : Gold-flash over Nickel G15AE : Gold 15μ (C) : Semi-gloss Tin (DIP)	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1271 SERIES

1.27mm Pitch Wire To Board Connector

Unit : mm

Housing

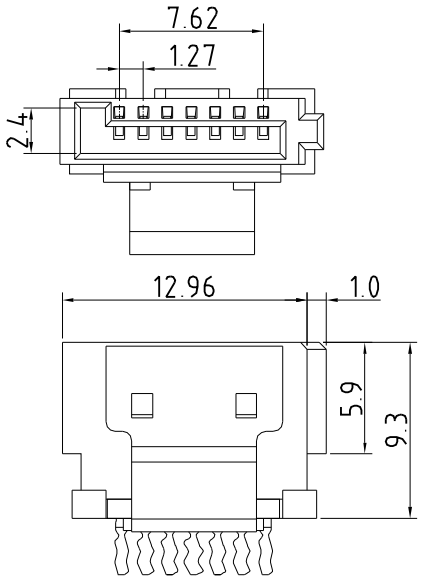
Features

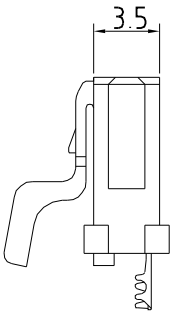
Available Number of Circuits: 07

Material: Regular Thermoplastic 94V-0

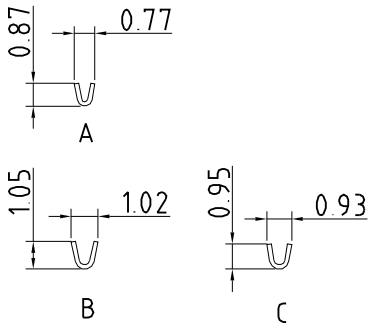
Use with: TU1271 Crimp Terminal

Part No. : TU1271HNO-07K-*



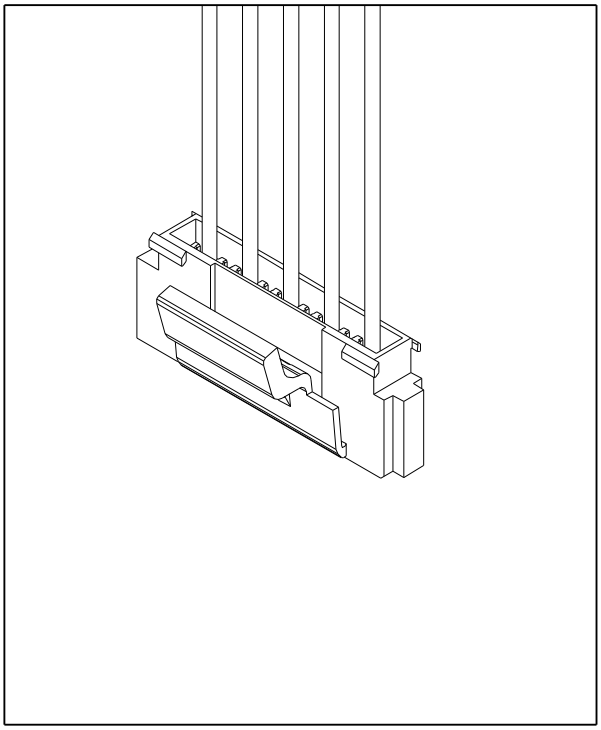






TU1272 SERIES

3.81mm(1.27mm) Pitch Wire To Board Connector



Specification

Circuits	05
Pitch	3.81mm(1.27mm)
Current Rating	2A AC/DC
Voltage Rating	100V AC/DC
Contact Resistance	30mΩ MAX.
Withstand Voltage	650V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #18 - #20

TU1272 * - NP * - * - * - *
① ② ③④ ⑤ ⑥ ⑦

① Part No. TU1272	④ Mount Type K : K-Type Housing	⑥ Material Code Blank : As Specified M7 : Nylon 9T UL 94V-0
② Connection Type: HNO : Terminal Socket		⑦ Product Color Blank : As Specified C* : Color of number
③ Number of Contacts: NP : Circuits	⑤ Contact Plating Code Blank : As Specified GO : Gold-flash over Nickel (C) : Semi-gloss Tin (DIP)	

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU1272 SERIES

3.81mm(1.27)mm Pitch Wire To Board Connector

Unit : mm

Housing

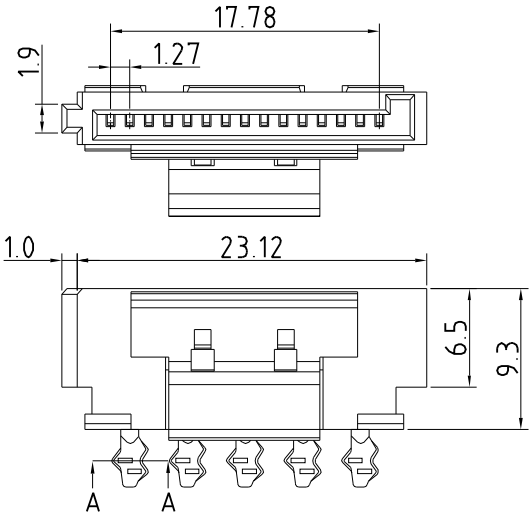
Features

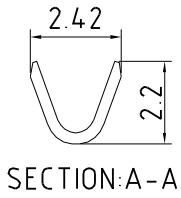
Available Number of Circuits: 15

Material: Regular Thermoplastic 94V-0

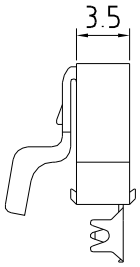
Use with: TU1272 Crimp Terminal

Part No. : TU1272HNO-15K-*-*



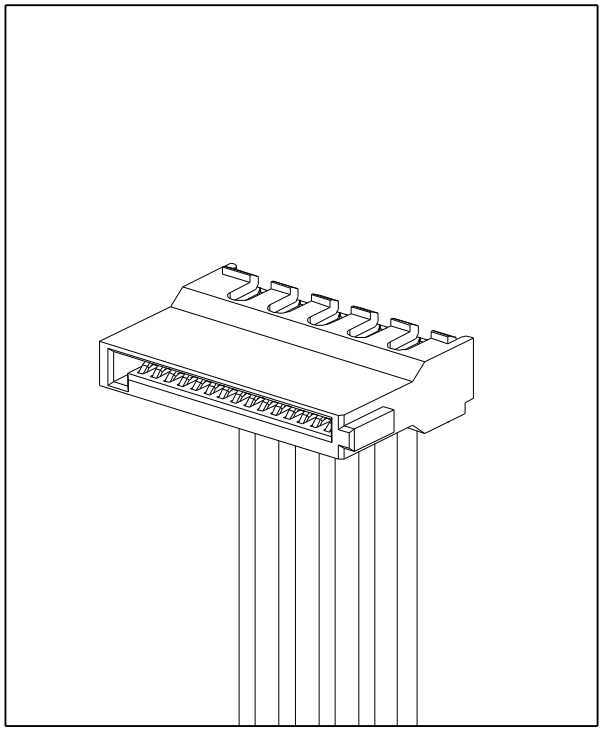


SECTION:A-A



TF3812 SERIES

3.81mm(1.27mm) Pitch Disconnectable Insulation Displacement Connector



Specification

Circuits	05
Pitch	3.81mm(1.27mm)
Current Rating	1.5A AC/DC
Voltage Rating	30V AC/DC
Contact Resistance	30mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-40°C - +85°C
Applicable Wire Range	AWG #18 - #24

TF3812

TF3812 * - NP - * - *
① ② ③ ④ ⑤

① Part No. TF3812	④ Wire Range 18:AWG#18 20:AWG#20 D: AWG#22~24	
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer	⑤ Finish Blank : Gold-flash	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TF3812 SERIES

3.81mm(1.27mm) Pitch Disconnectable Insulation Displacement Connector

Unit : mm

Housing

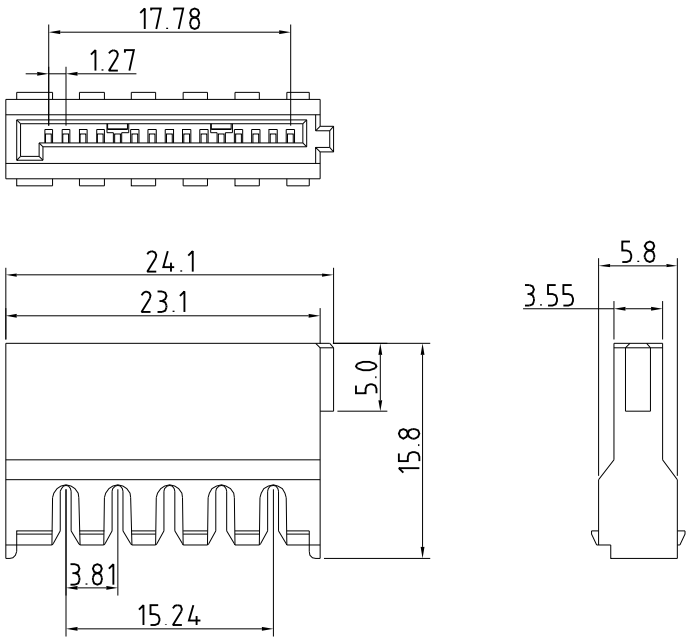
Features

Available Number of Circuits : 05

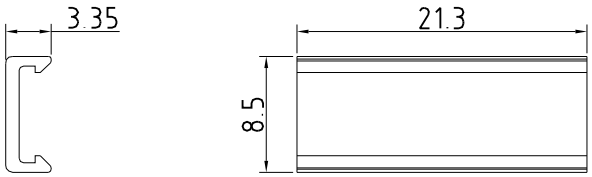
Material : Insulator:Regular Thermoplastic 94V-0
Contact: Copper Alloy, Gold-flash
Cover: Regular Thermoplastic 94V-0

Mates with : TF3812 Series Wafer

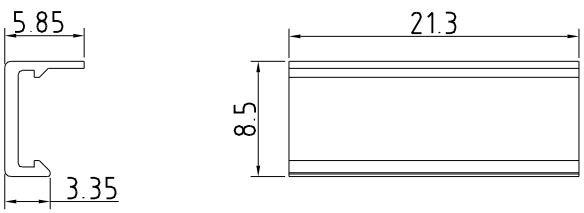
Part No. : TF3812HNO-05-*-*



TF3812CNO-05T

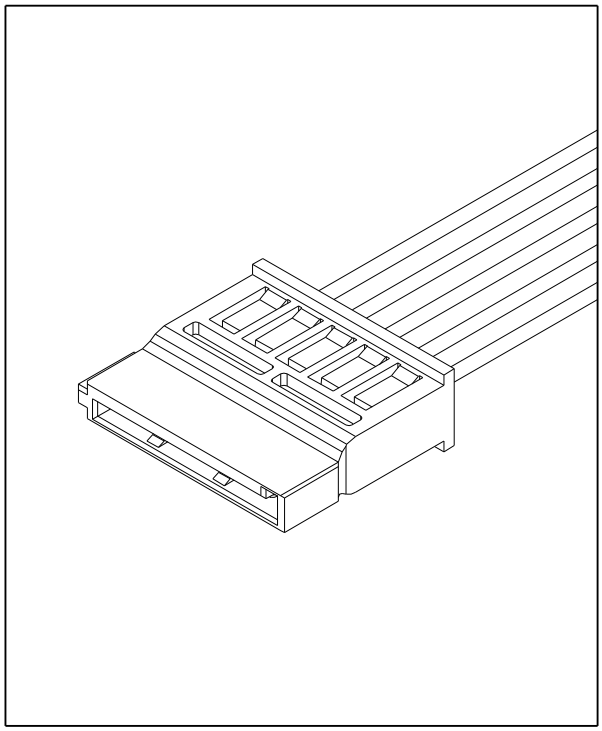


TF3812CNO-05E



TU3812 SERIES

3.81mm(1.27mm) Pitch Wire To Board Connector



Specification

Circuits	05
Pitch	3.81mm(1.27mm)
Current Rating	1.5A AC/DC
Voltage Rating	30V AC/DC
Contact Resistance	30mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	1000MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #18 - #22

TU3812 * - NP
① ② ③

① Part No. TU3812		
② Connection Type: HNO : Terminal Socket		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU3812 SERIES

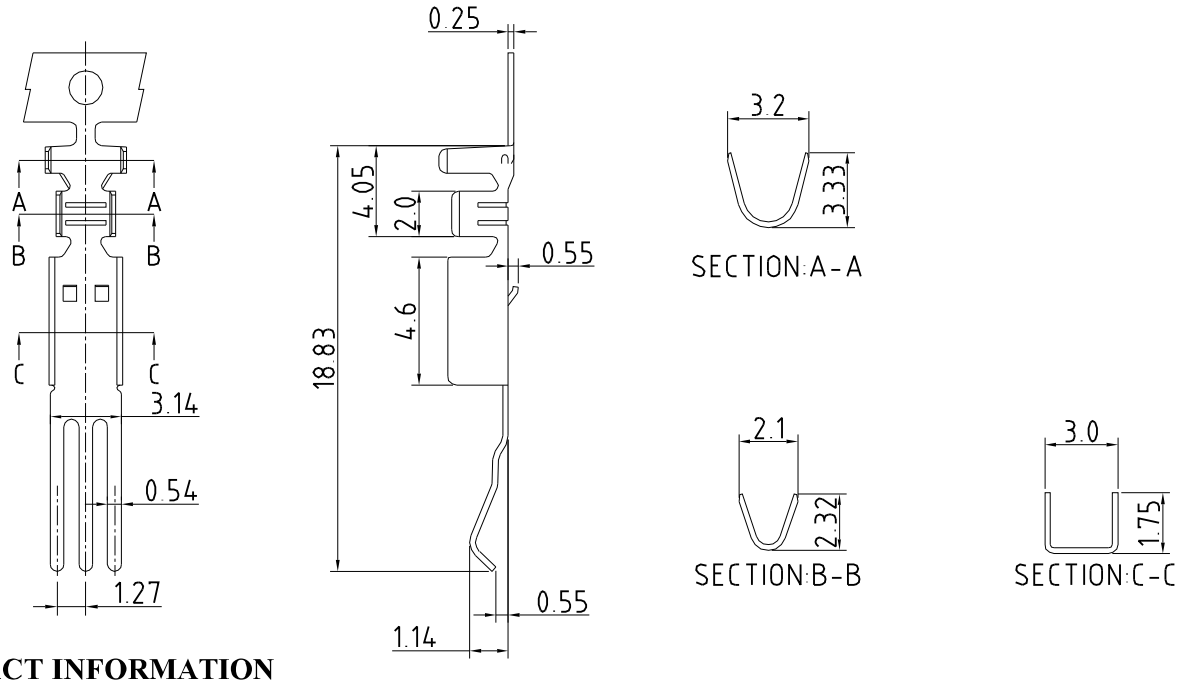
3.81mm(1.27mm) Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU3812 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU3812TPO-*	AWG #18-#22	2.20mm(MAX.)	Phosphor bronze	See note	5,000 pcs

Note:

For this product in a different specification please contact TYU for more information

Housing

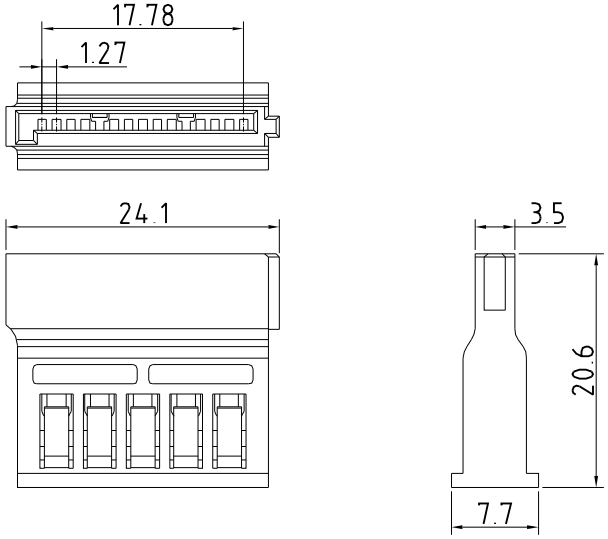
Features

Available Number of Circuits: 05

Material: Regular Thermoplastic 94V-0

Use with: TU3812 Crimp Terminal

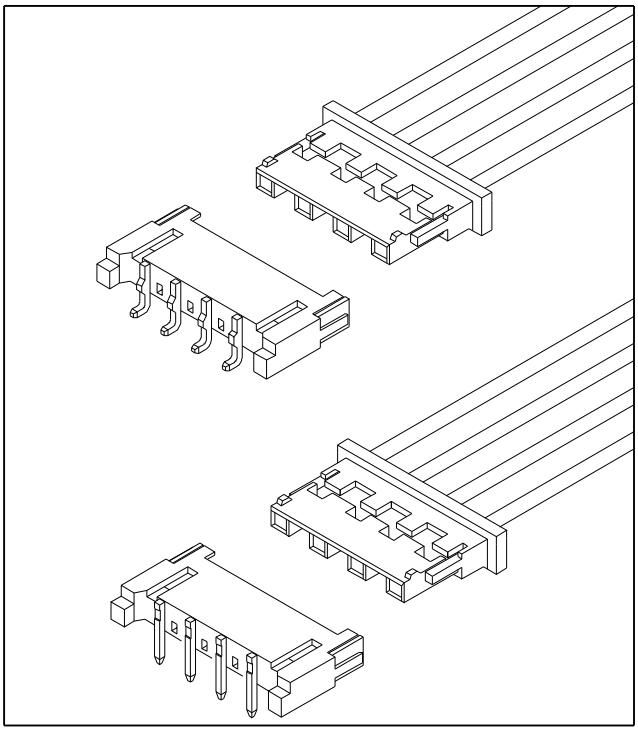
Part No. : TU3812HNO-05



TU4001 SERIES

4.00/8.00/12.00/16.00mm Pitch Wire To Board Connector

TU4001

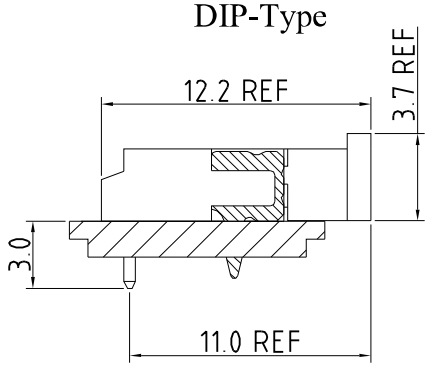


Specification

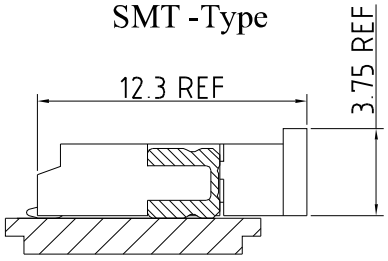
Circuits	02 - 05
Pitch	4.00/8.00/12.00/16.00mm
Current Rating	5.5A AC/DC (AWG#22) 4.8A AC/DC (AWG#24) 3.6A AC/DC (AWG#26) 2.7A AC/DC (AWG#28)
Voltage Rating	600V AC/DC
Contact Resistance	10mΩ MAX.
Withstand Voltage	1,800V AC/minute
Insulation Resistance	1,000MΩ MIN
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #22 - #28
Applicable P.C.B Thickness	1.6mm
Applicable P.C.B Hole Dia.	Ø 0.85mm ± 0.05

Assembly Layout

Right Angle
DIP-Type



Right Angle
SMT -Type



TU4001 * - NP * - * - *
① ② ③ ④ ⑤ ⑥

① Part No. TU4001	④ Mount Type S : SMT-Type Wafer F : DIP-Type Wafer With Post K : With Lock Type Wafer	⑥ Void Circuit V# : Void Pin
② Connection Type: HNO : Terminal Socket WNR : Right Angle Wafer	⑤ Contact Plating Code Blank : As Specified GO : Gold-flash over Nickel G*: Gold *u" Over Nickel	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU4001 SERIES

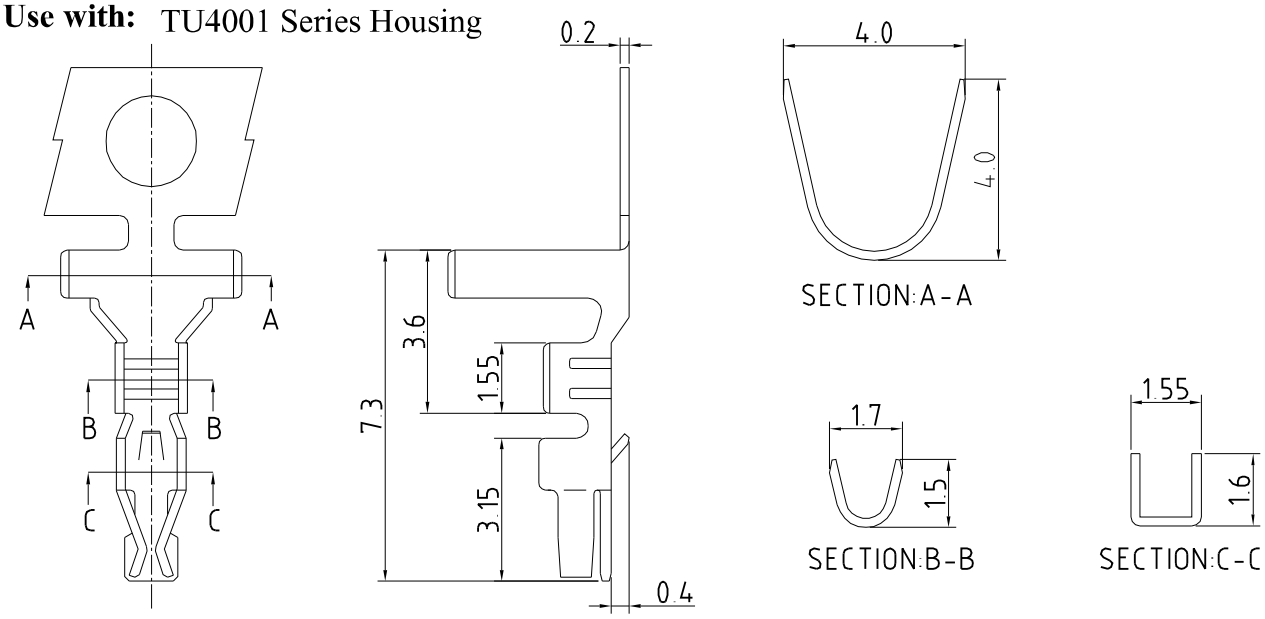
4.00/8.00/12.00/16.00mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU4001 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU4001TPO-*	AWG #22-#28	2.40mm(MAX.)	Phosphor bronze	See note	4,000 pcs

Note:

For this product in a different specification please contact TYU for more information

Housing

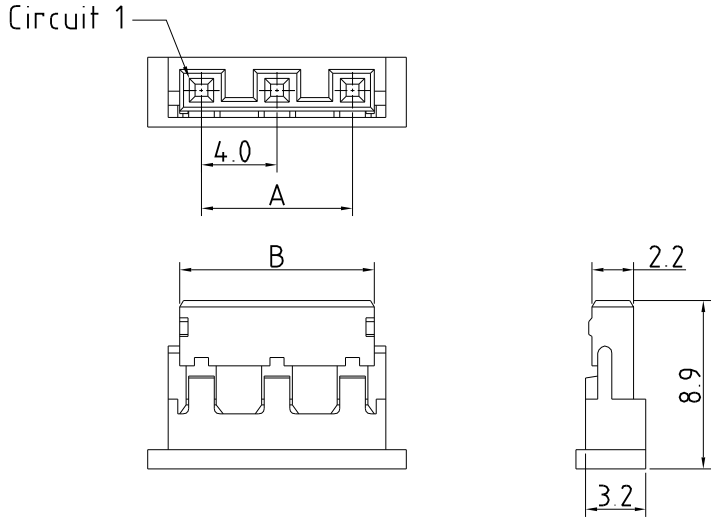
Features

Available Number of Circuits: 02 - 05

Material: Regular Thermoplastic 94V-0

Use with: TU4001/TU2005 Crimp Terminal

Mates with : TU4001 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU4001HNO-02	4.00	6.30
3	TU4001HNO-03	8.00	10.30
4	TU4001HNO-04	12.00	14.30
5	TU4001HNO-05	16.00	18.30

TU4001 SERIES

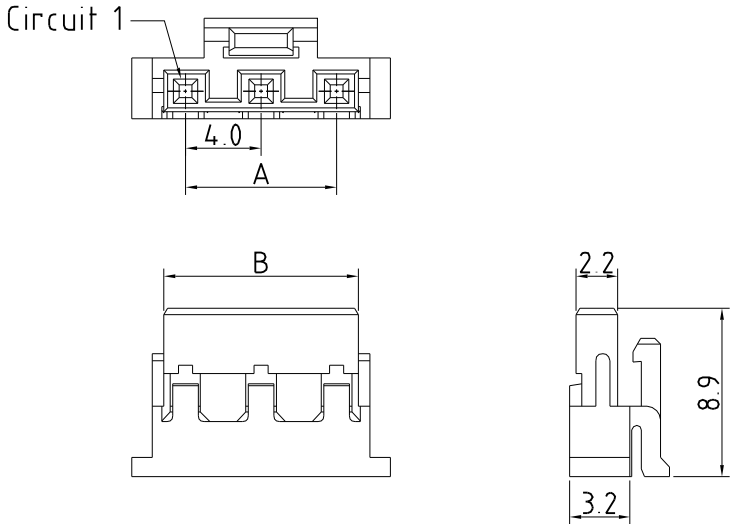
4.00/8.00/12.00/16.00mm Pitch Wire To Board Connector

Unit : mm

Housing

Features

Available Number of Circuits: 03
Material: Regular Thermoplastic 94V-0
Use with: TU4001/TU2005 Crimp Terminal
Mates with : TU4001 Series K-Type Wafer



Dimension and Order Information

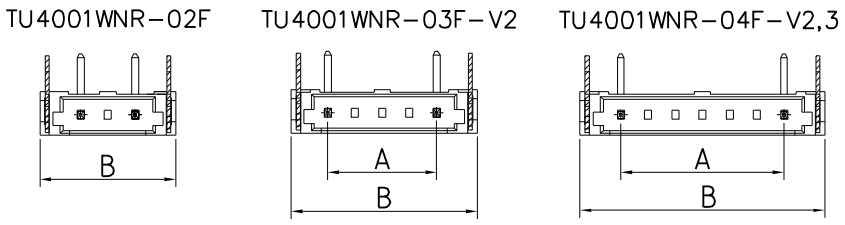
Circuits	Part No.	DIM.(mm)	
		A	B
2	TU4001HNO-02K	4.00	6.30
3	TU4001HNO-03K	8.00	10.30
4	TU4001HNO-04K	12.00	14.30
5	TU4001HNO-05K	16.00	18.30

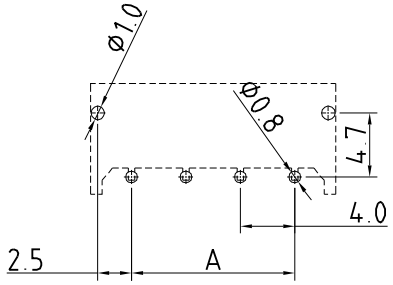
Wafer

Right Angle DIP F-Type With Post Solder

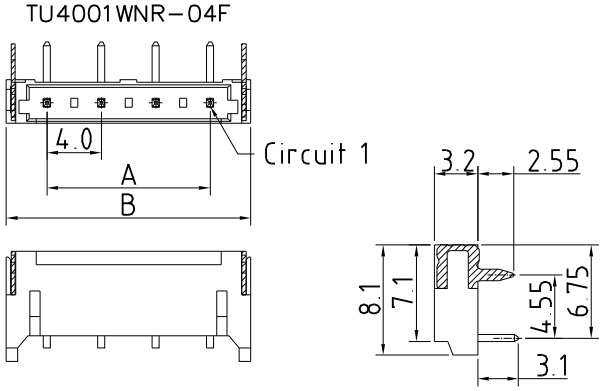
Features

Available Number of Circuits : 02 - 05
Material : High Temperature Thermoplastic 94V-0
Contact: 0.5mm(.018") Copper Alloy, Matte-Tin
Mates with : TU4001 Series Housing





P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU4001WNR-02F-*-*	4.00	10.00
3	TU4001WNR-03F-*-*	8.00	14.00
4	TU4001WNR-04F-*-*	12.00	18.00
5	TU4001WNR-05F-*-*	16.00	20.00

TU4001 SERIES

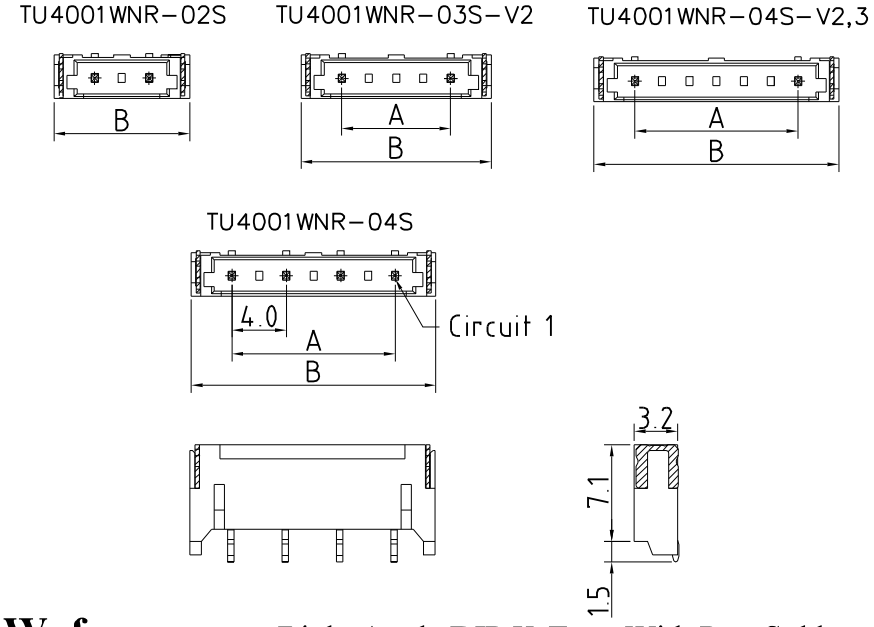
4.00/8.00/12.00/16.00mm Pitch Wire To Board Connector

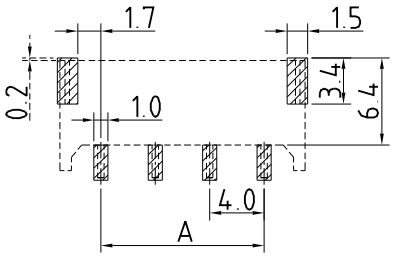
Unit : mm

Wafer — Right Angle SMT Type

Features

Available Number of Circuits : 02 - 05
Material : High Temperature Thermoplastic 94V-0
Contact: 0.5mm(.018") Copper Alloy, Matte-Tin
Mates with : TU4001 Series Housing





P.C.B LAYOUT

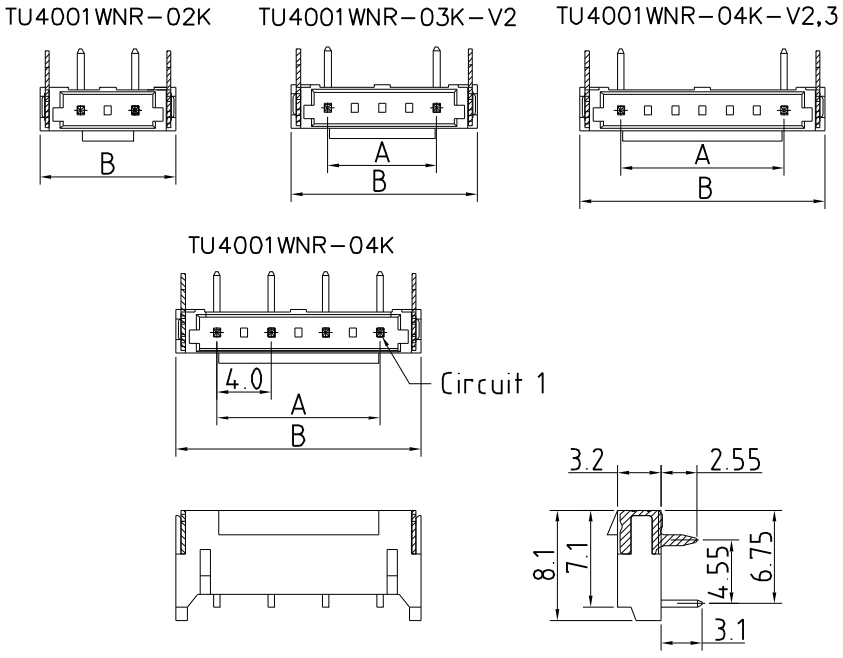
Dimension and Order Information

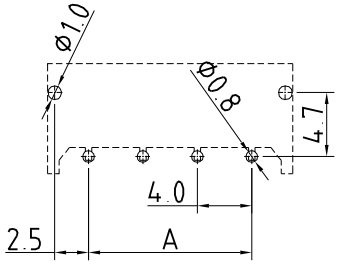
Circuits	Part No.	DIM.(mm)	
		A	B
2	TU4001WNR-02S-*-*	4.00	10.00
3	TU4001WNR-03S-*-*	8.00	14.00
4	TU4001WNR-04S-*-*	12.00	18.00
5	TU4001WNR-05S-*-*	16.00	20.00

Wafer — Right Angle DIP K-Type With Pest Solder

Features

Available Number of Circuits : 02 - 05
Material : High Temperature Thermoplastic 94V-0
Contact: 0.5mm(.018") Copper Alloy, Matte-Tin
Mates with : TU4001 Series K-Type Housing





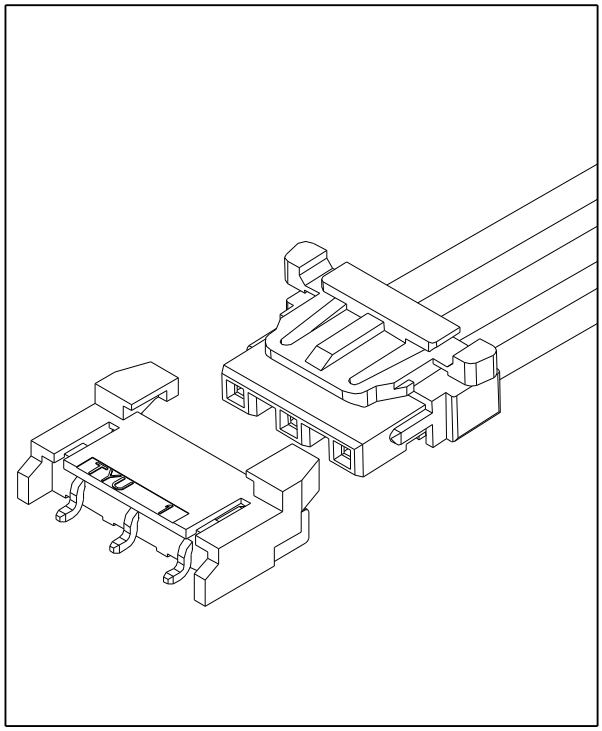
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU4001WNR-02K-*-*	4.00	10.00
3	TU4001WNR-03K-*-*	8.00	14.00
4	TU4001WNR-04K-*-*	12.00	18.00
5	TU4001WNR-05K-*-*	16.00	20.00

TU4011 SERIES

4.00mm Pitch Wire To Board Connector

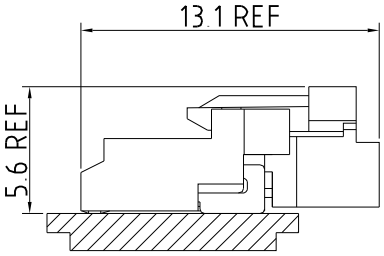


Specification

Circuits	02 - 05
Pitch	4.00mm
Current Rating	4.3A AC/DC (AWG#22) 4A AC/DC (AWG#24) 3.3A AC/DC (AWG#26) 2.7A AC/DC (AWG#28)
Voltage Rating	600V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	5000V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-25°C - +85°C

Assembly Layout

Right Angle Type



TU4011 * - NP * - * - * - *
① ② ③ ④ ⑤ ⑥ ⑦

① Part No. TU4011	④ Mount Type S : SMT-Type Wafer	⑥ Void Circuit V# : Void Pin
② Connection Type: HNO : Terminal Socket	⑤ Material Code Blank : As Specified M7 : Nylon 9T UL 94V-0	⑦ Product Color Blank : As Specified C* : Color of number
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU4011 SERIES

4.00mm Pitch Wire To Board Connector

Unit : mm

Housing

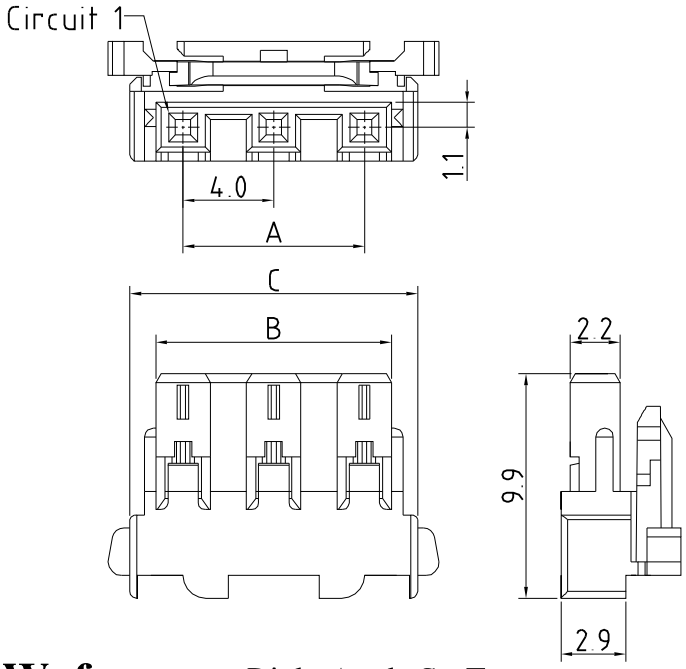
Features

Available Number of Circuits : 02 - 05

Material : Regular Thermoplastic 94V-0

Use with : TU4001/TU2005 Crimp Terminal

Mates with : TU4011 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
2	TU4011HNO-02	4.00	6.40	8.70
3	TU4011HNO-03	8.00	10.40	12.70
4	TU4011HNO-04	12.00	14.40	16.70
5	TU4011HNO-05	16.00	18.40	20.70

Wafer

Right Angle S - Type

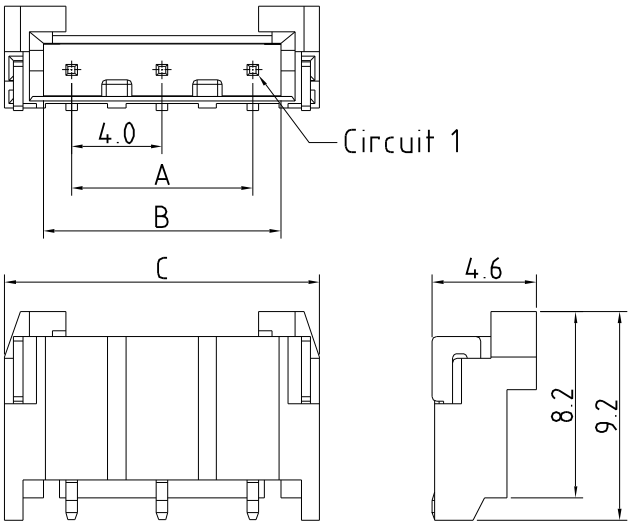
Features

Available Number of Circuits : 02 - 05

Material : High Temperature Thermoplastic 94V-0

Contact : 0.5mm(.018") Copper Alloy,Matte-Tin

Mates with : TU4011 Series Housing

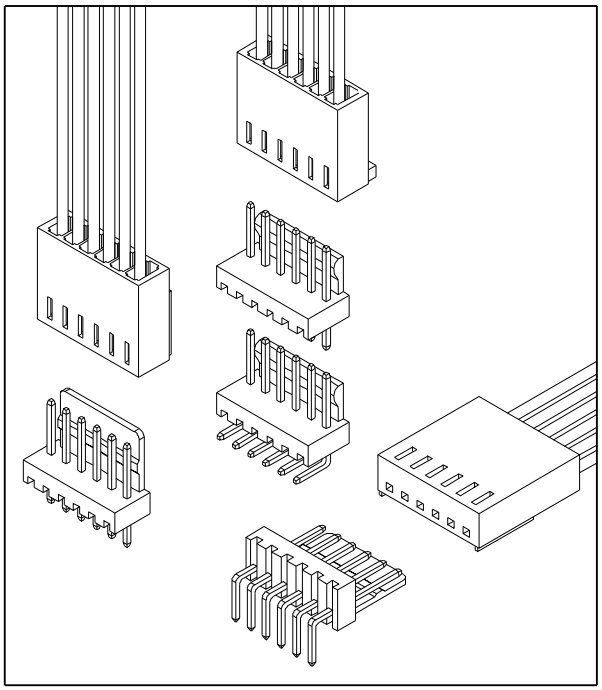


Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
2	TU4011WNR-02S-*	4.00	6.48	9.90
3	TU4011WNR-03S-*	8.00	10.48	13.90
4	TU4011WNR-04S-*	12.00	14.48	17.90
5	TU4011WNR-05S-*	16.00	18.48	21.90

TU5002 SERIES

2.54mm Pitch Wire To Board Connector

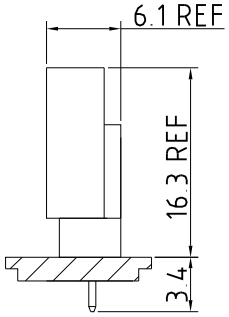


Specification

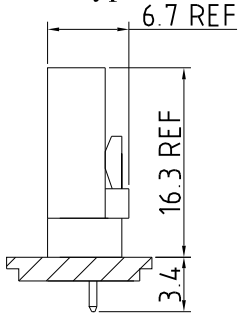
Circuits	02 - 20
Pitch	2.54mm
Current Rating	3A AC/DC
	5A AC/DC (AWG#22) (High current)
Voltage Rating	250V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	1,500V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #22 - #28
Applicable P.C.B Thickness	1.6mm
Applicable P.C.B Hole Dia.	Ø1.0mm ± 0.05

Assembly Layout

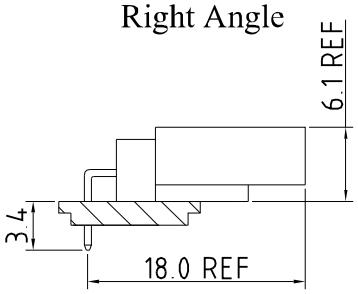
Vertical



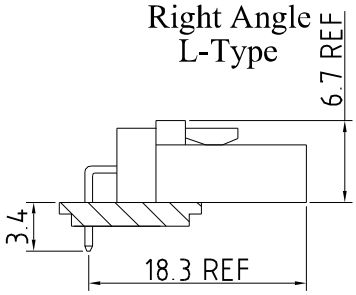
Vertical L-Type



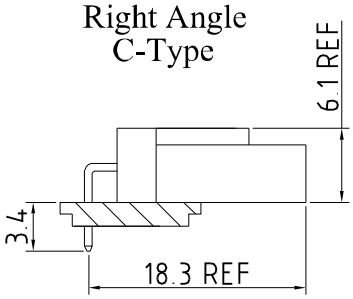
Right Angle



Right Angle L-Type



Right Angle C-Type



TU5002 * - NP * - * - * - *
① ② ③ ④ ⑤ ⑥ ⑦

① Part No. TU5002	④ Mount Type C : C-Type Wafer L : L-Type Wafer R : R-Type Wafer	⑥ Material Code Blank : As Specified M0 : Nylon 66 UL 94V-0 M7 : Nylon 9T UL 94V-0
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer	⑤ Contact Plating Code Blank : As Specified GO : Gold-flash over Nickel (C): Semi-gloss Tin	⑦ Product Color Blank : As Specified C* : Color of number
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU5002 SERIES

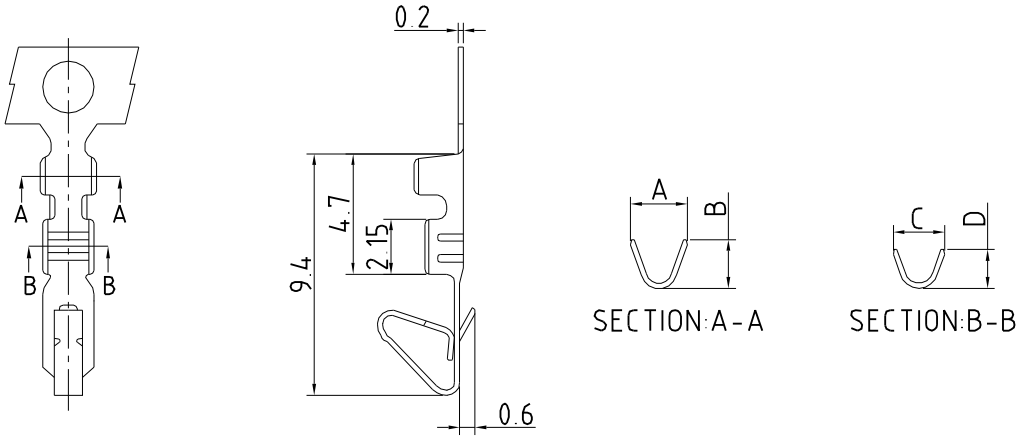
2.54mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU5002 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TU5002TBO-*	AWG #22-#24	1.50mm(MAX.)	2.2	1.9	2.0	1.5	Brass	See note	10,000 pcs
TU5002TPO-*							Phosphor bronze		
TU5002TGO-*							High current		
TU5002TBL-*	AWG #26-#28	1.50mm(MAX.)	2.2	1.9	1.9	1.3	Brass	See note	10,000 pcs
TU5002TPL-*							Phosphor bronze		
TU5002TGL-*							High current		

Note:

For this product in a different specification please contact TYU for more information

Housing

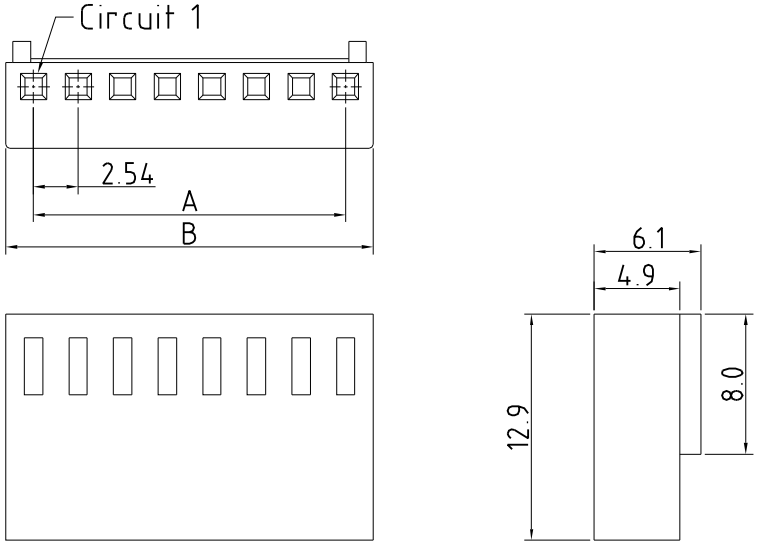
Features

Available Number of Circuits: 02 - 20

Material: Regular Thermoplastic 94V-2

Use with: TU5002 Crimp Terminal

Mates with : TU5002 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5002HNO-02	2.54	5.68
3	TU5002HNO-03	5.08	8.22
4	TU5002HNO-04	7.62	10.76
5	TU5002HNO-05	10.16	13.30
6	TU5002HNO-06	12.70	15.84
7	TU5002HNO-07	15.24	18.38
8	TU5002HNO-08	17.78	20.92
9	TU5002HNO-09	20.32	23.46
10	TU5002HNO-10	22.86	26.00
11	TU5002HNO-11	25.40	28.54
12	TU5002HNO-12	27.94	31.08
13	TU5002HNO-13	30.48	33.62
14	TU5002HNO-14	33.02	36.16
15	TU5002HNO-15	35.56	38.70
16	TU5002HNO-16	38.10	41.24
17	TU5002HNO-17	40.64	43.78
18	TU5002HNO-18	43.18	46.32
19	TU5002HNO-19	45.72	48.86
20	TU5002HNO-20	48.26	51.40

TU5002 SERIES

2.54mm Pitch Wire To Board Connector

Unit : mm

Housing

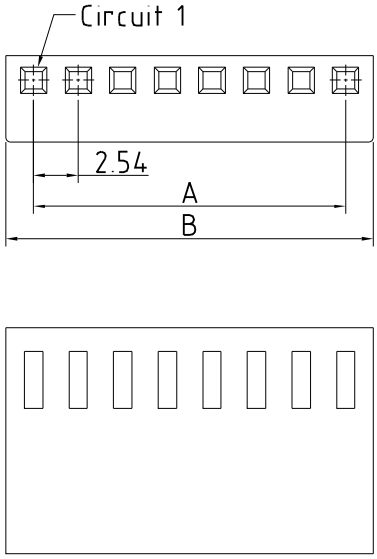
Features

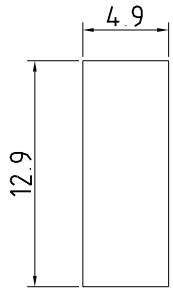
Available Number of Circuits : 02 - 20

Material : Regular Thermoplastic 94V-2

Use with : TU5002 Crimp Terminal

Mates with : TU5002 Series Wafer





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5002HNO-02C	2.54	5.68
3	TU5002HNO-03C	5.08	8.22
4	TU5002HNO-04C	7.62	10.76
5	TU5002HNO-05C	10.16	13.30
6	TU5002HNO-06C	12.70	15.84
7	TU5002HNO-07C	15.24	18.38
8	TU5002HNO-08C	17.78	20.92
9	TU5002HNO-09C	20.32	23.46
10	TU5002HNO-10C	22.86	26.00
11	TU5002HNO-11C	25.40	28.54
12	TU5002HNO-12C	27.94	31.08
13	TU5002HNO-13C	30.48	33.62
14	TU5002HNO-14C	33.02	36.16
15	TU5002HNO-15C	35.56	38.70
16	TU5002HNO-16C	38.10	41.24
17	TU5002HNO-17C	40.64	43.78
18	TU5002HNO-18C	43.18	46.32
19	TU5002HNO-19C	45.72	48.86
20	TU5002HNO-20C	48.26	51.40

Housing

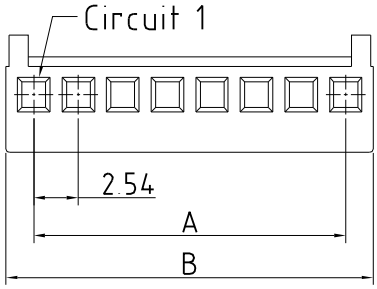
Features

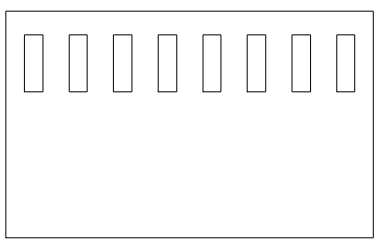
Available Number of Circuits : 02 - 20

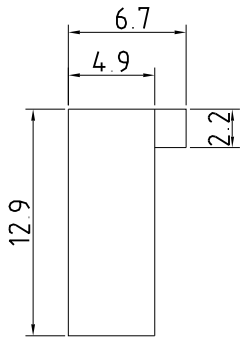
Material : Regular Thermoplastic 94V-2

Use with : TU5002 Crimp Terminal

Mates with : TU5002 Series Wafer L-Type







Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5002HNO-02L	2.54	5.68
3	TU5002HNO-03L	5.08	8.22
4	TU5002HNO-04L	7.62	10.76
5	TU5002HNO-05L	10.16	13.30
6	TU5002HNO-06L	12.70	15.84
7	TU5002HNO-07L	15.24	18.38
8	TU5002HNO-08L	17.78	20.92
9	TU5002HNO-09L	20.32	23.46
10	TU5002HNO-10L	22.86	26.00
11	TU5002HNO-11L	25.40	28.54
12	TU5002HNO-12L	27.94	31.08
13	TU5002HNO-13L	30.48	33.62
14	TU5002HNO-14L	33.02	36.16
15	TU5002HNO-15L	35.56	38.70
16	TU5002HNO-16L	38.10	41.24
17	TU5002HNO-17L	40.64	43.78
18	TU5002HNO-18L	43.18	46.32
19	TU5002HNO-19L	45.72	48.86
20	TU5002HNO-20L	48.26	51.40

TU5002 SERIES

2.54mm Pitch Wire To Board Connector

Unit : mm

Housing

Features

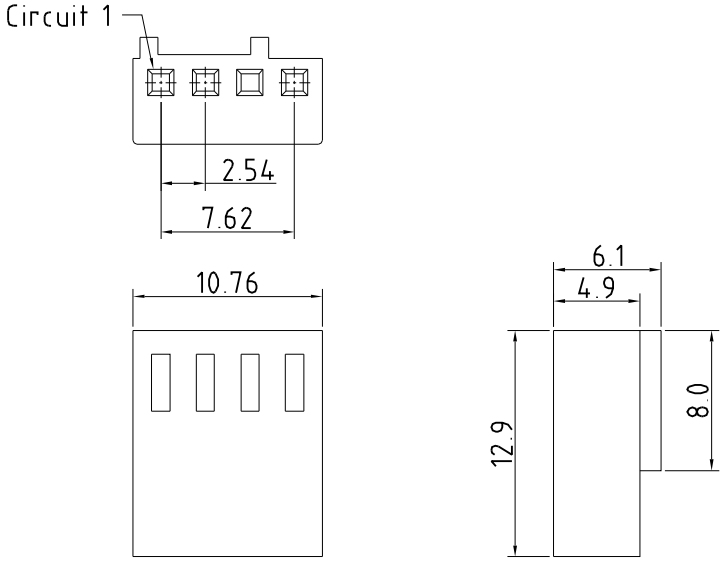
Available Number of Circuits : 04

Material : Regular Thermoplastic 94V-2

Use with : TU5002 Crimp Terminal

Mates with : TU5002 Series DA-Type Wafer

Part NO. : TU5002HNO-04-DA



Housing

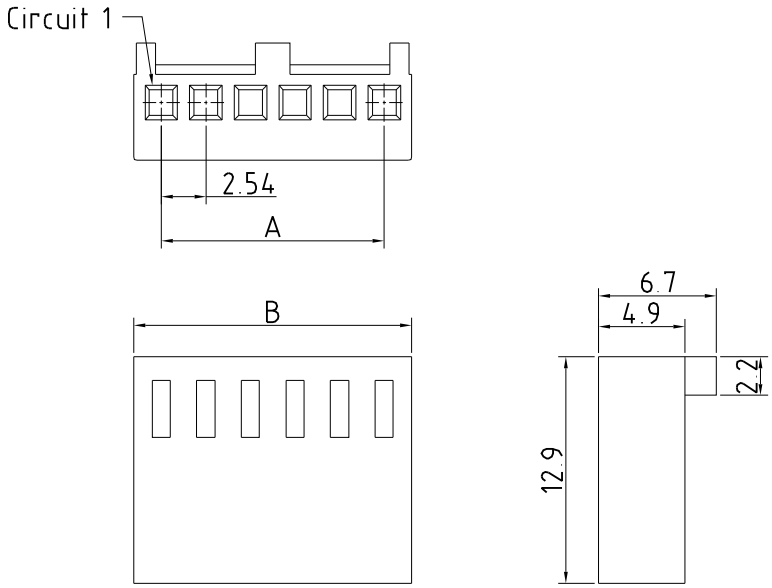
Features

Available Number of Circuits : 05,06

Material : Regular Thermoplastic 94V-2

Use with : TU5002 Crimp Terminal

Mates with : TU5002 Series DS-Type Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
5	TU5002HNO-05L-DS-*	10.16	13.30
6	TU5002HNO-06L-DS-*	12.70	15.84

TU5002 SERIES

2.54mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical

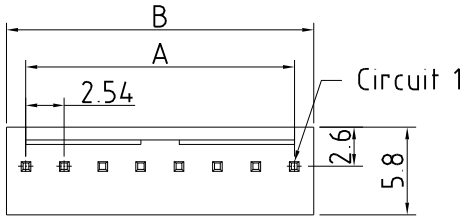
Features

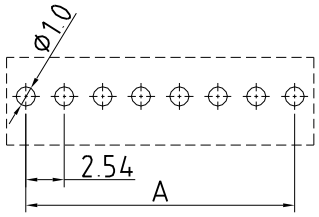
Available Number of Circuits : 02 - 20

Material : Regular Thermoplastic 94V-2

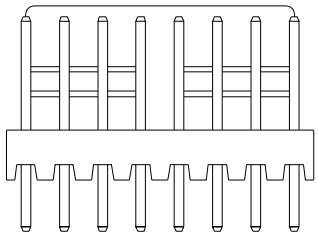
Contact: 0.64mm(.025") Copper Alloy, Tin-plated

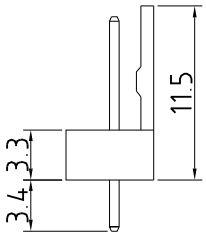
Mates with : TU5002 Series Housing





P.C.B LAYOUT





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5002WNV-02-*	2.54	5.08
3	TU5002WNV-03-*	5.08	7.62
4	TU5002WNV-04-*	7.62	10.16
5	TU5002WNV-05-*	10.16	12.70
6	TU5002WNV-06-*	12.70	15.24
7	TU5002WNV-07-*	15.24	17.78
8	TU5002WNV-08-*	17.78	20.32
9	TU5002WNV-09-*	20.32	22.86
10	TU5002WNV-10-*	22.86	25.40
11	TU5002WNV-11-*	25.40	27.94
12	TU5002WNV-12-*	27.94	30.48
13	TU5002WNV-13-*	30.48	33.02
14	TU5002WNV-14-*	33.02	35.56
15	TU5002WNV-15-*	35.56	38.10
16	TU5002WNV-16-*	38.10	40.46
17	TU5002WNV-17-*	40.64	43.18
18	TU5002WNV-18-*	43.18	45.72
19	TU5002WNV-19-*	45.72	48.26
20	TU5002WNV-20-*	48.26	50.80

Wafer Right Angle

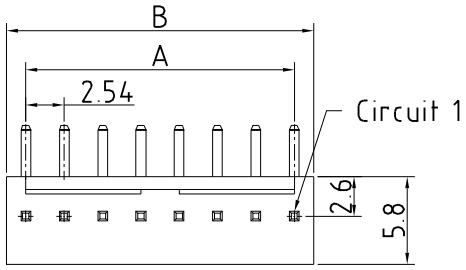
Features

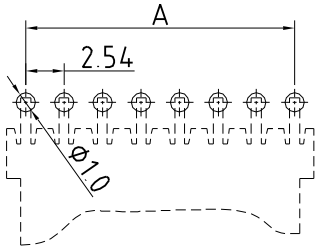
Available Number of Circuits : 02 - 20

Material : Regular Thermoplastic 94V-2

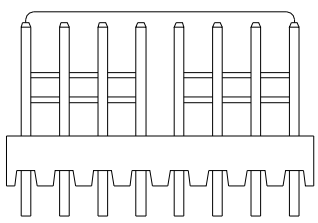
Contact: 0.64mm(.025") Copper Alloy, Tin-plated

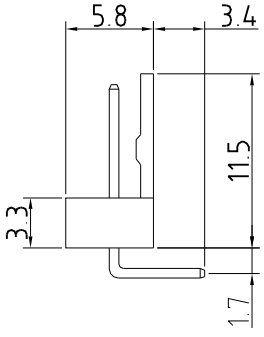
Mates with : TU5002 Series Housing





P.C.B LAYOUT





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5002WNR-02-*	2.54	5.08
3	TU5002WNR-03-*	5.08	7.62
4	TU5002WNR-04-*	7.62	10.16
5	TU5002WNR-05-*	10.16	12.70
6	TU5002WNR-06-*	12.70	15.24
7	TU5002WNR-07-*	15.24	17.78
8	TU5002WNR-08-*	17.78	20.32
9	TU5002WNR-09-*	20.32	22.86
10	TU5002WNR-10-*	22.86	25.40
11	TU5002WNR-11-*	25.40	27.94
12	TU5002WNR-12-*	27.94	30.48
13	TU5002WNR-13-*	30.48	33.02
14	TU5002WNR-14-*	33.02	35.56
15	TU5002WNR-15-*	35.56	38.10
16	TU5002WNR-16-*	38.10	40.46
17	TU5002WNR-17-*	40.64	43.18
18	TU5002WNR-18-*	43.18	45.72
19	TU5002WNR-19-*	45.72	48.26
20	TU5002WNR-20-*	48.26	50.80

TU5002 SERIES

2.54mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical L-Type

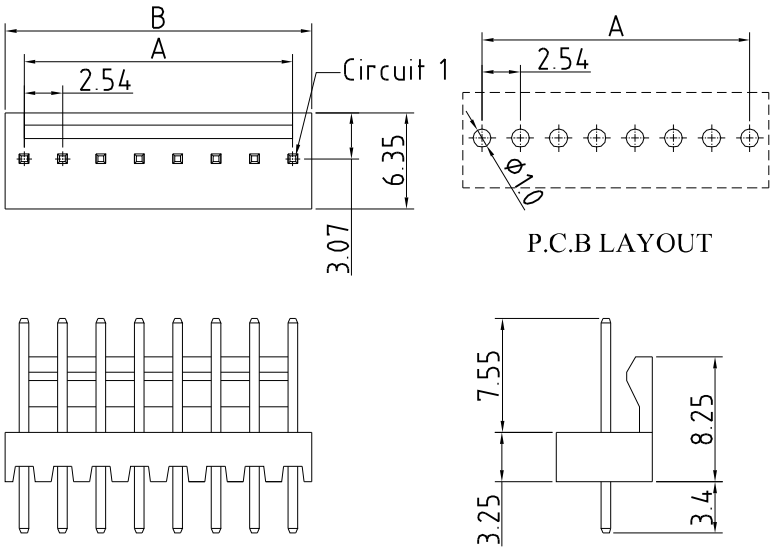
Features

Available Number of Circuits : 02 - 20

Material : Regular Thermoplastic 94V-2

Contact: 0.64mm(.025") Copper Alloy, Tin-plated

Mates with : TU5002 Series L-Type Housing



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5002WNV-02L-*	2.54	5.08
3	TU5002WNV-03L-*	5.08	7.62
4	TU5002WNV-04L-*	7.62	10.16
5	TU5002WNV-05L-*	10.16	12.70
6	TU5002WNV-06L-*	12.70	15.24
7	TU5002WNV-07L-*	15.24	17.78
8	TU5002WNV-08L-*	17.78	20.32
9	TU5002WNV-09L-*	20.32	22.86
10	TU5002WNV-10L-*	22.86	25.40
11	TU5002WNV-11L-*	25.40	27.94
12	TU5002WNV-12L-*	27.94	30.48
13	TU5002WNV-13L-*	30.48	33.02
14	TU5002WNV-14L-*	33.02	35.56
15	TU5002WNV-15L-*	35.56	38.10
16	TU5002WNV-16L-*	38.10	40.46
17	TU5002WNV-17L-*	40.64	43.18
18	TU5002WNV-18L-*	43.18	45.72
19	TU5002WNV-19L-*	45.72	48.26
20	TU5002WNV-20L-*	48.26	50.80

Wafer Right Angle L-Type

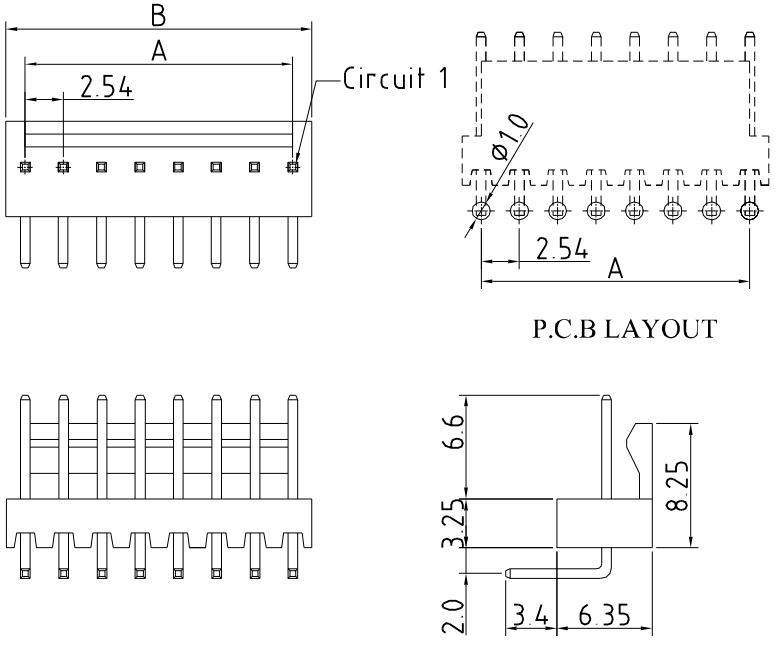
Features

Available Number of Circuits : 02 - 20

Material : Regular Thermoplastic 94V-2

Contact: 0.64mm(.025") Copper Alloy, Tin-plated

Mates with : TU5002 Series L-Type Housing



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5002WNR-02L-*	2.54	5.08
3	TU5002WNR-03L-*	5.08	7.62
4	TU5002WNR-04L-*	7.62	10.16
5	TU5002WNR-05L-*	10.16	12.70
6	TU5002WNR-06L-*	12.70	15.24
7	TU5002WNR-07L-*	15.24	17.78
8	TU5002WNR-08L-*	17.78	20.32
9	TU5002WNR-09L-*	20.32	22.86
10	TU5002WNR-10L-*	22.86	25.40
11	TU5002WNR-11L-*	25.40	27.94
12	TU5002WNR-12L-*	27.94	30.48
13	TU5002WNR-13L-*	30.48	33.02
14	TU5002WNR-14L-*	33.02	35.56
15	TU5002WNR-15L-*	35.56	38.10
16	TU5002WNR-16L-*	38.10	40.46
17	TU5002WNR-17L-*	40.64	43.18
18	TU5002WNR-18L-*	43.18	45.72
19	TU5002WNR-19L-*	45.72	48.26
20	TU5002WNR-20L-*	48.26	50.80

TU5002 SERIES

2.54mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical

Features

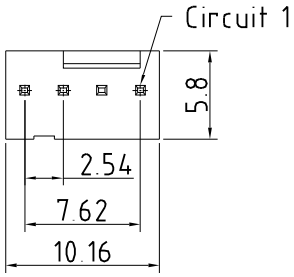
Available Number of Circuits : 04

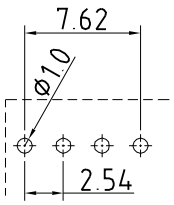
Material : Regular Thermoplastic 94V-2

Contact: 0.64mm(.025") Copper Alloy, Tin-plated

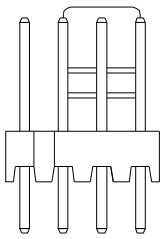
Mates with : TU5002 Series DA-Type Housing

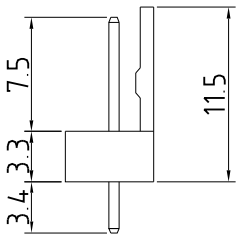
Part No. : TU5002WNV-04-DA





P.C.B LAYOUT





Wafer Right Angle

Features

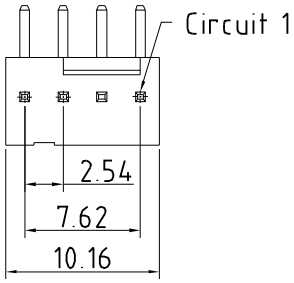
Available Number of Circuits : 04

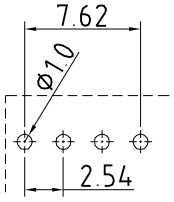
Material : Regular Thermoplastic 94V-2

Contact: 0.64mm(.025") Copper Alloy, Tin-plated

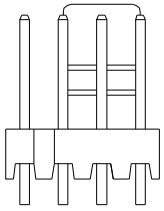
Mates with : TU5002 Series DA-Type Housing

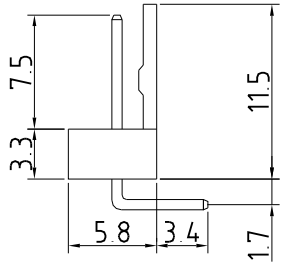
Part No. : TU5002WNR-04-DA





P.C.B LAYOUT





TU5002 SERIES

2.54mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical

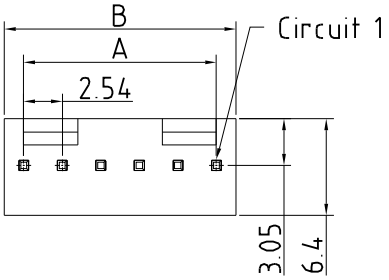
Features

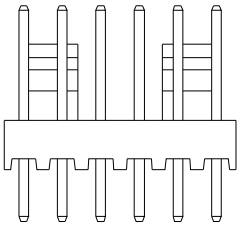
Available Number of Circuits : 05 - 20

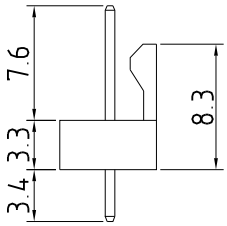
Material : Regular Thermoplastic 94V-2

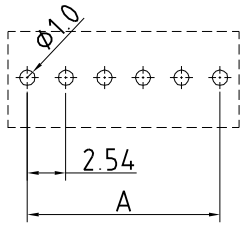
Contact: 0.64mm(.025") Copper Alloy, Tin-plated

Mates with : TU5002 Series DS-Type Housing









P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
5	TU5002WNV-05L-*-DS	10.16	12.70
6	TU5002WNV-06L-*-DS	12.70	15.24
7	TU5002WNV-07L-*-DS	15.24	17.78
8	TU5002WNV-08L-*-DS	17.78	20.32
9	TU5002WNV-09L-*-DS	20.32	22.86
10	TU5002WNV-10L-*-DS	22.86	25.40
11	TU5002WNV-11L-*-DS	25.40	27.94
12	TU5002WNV-12L-*-DS	27.94	30.48
13	TU5002WNV-13L-*-DS	30.48	33.02
14	TU5002WNV-14L-*-DS	33.02	35.56
15	TU5002WNV-15L-*-DS	35.56	38.10
16	TU5002WNV-16L-*-DS	38.10	40.46
17	TU5002WNV-17L-*-DS	40.46	43.18
18	TU5002WNV-18L-*-DS	43.18	45.72
19	TU5002WNV-19L-*-DS	45.72	48.26
20	TU5002WNV-20L-*-DS	48.26	50.80

Wafer Right Angle R-Type

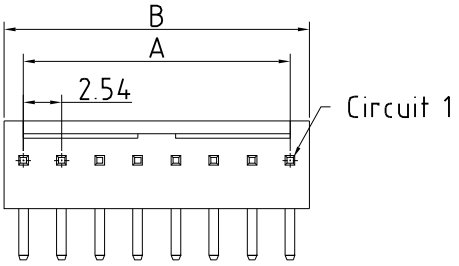
Features

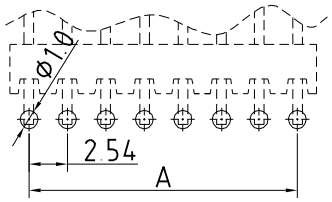
Available Number of Circuits : 02 - 20

Material : Regular Thermoplastic 94V-2

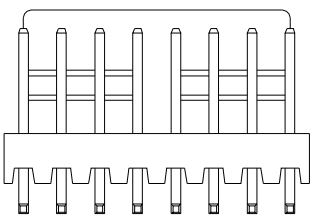
Contact: 0.64mm(.025") Copper Alloy, Tin-plated

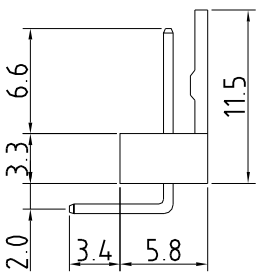
Mates with : TU5002 Series Housing





P.C.B LAYOUT





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5002WNR-02R	2.54	5.08
3	TU5002WNR-03R	5.08	7.62
4	TU5002WNR-04R	7.62	10.16
5	TU5002WNR-05R	10.16	12.70
6	TU5002WNR-06R	12.70	15.24
7	TU5002WNR-07R	15.24	17.78
8	TU5002WNR-08R	17.78	20.32
9	TU5002WNR-09R	20.32	22.86
10	TU5002WNR-10R	22.86	25.40
11	TU5002WNR-11R	25.40	27.94
12	TU5002WNR-12R	27.94	30.48
13	TU5002WNR-13R	30.48	33.02
14	TU5002WNR-14R	33.02	35.56
15	TU5002WNR-15R	35.56	38.10
16	TU5002WNR-16R	38.10	40.46
17	TU5002WNR-17R	40.64	43.18
18	TU5002WNR-18R	43.18	45.72
19	TU5002WNR-19R	45.72	48.26
20	TU5002WNR-20R	48.26	50.80

TF5012 SERIES

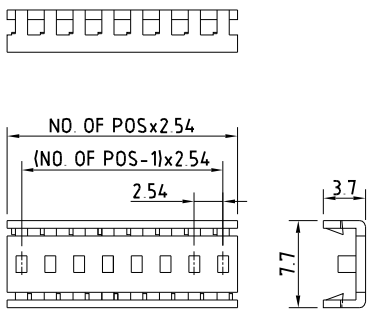
2.54mm Pitch Insulation Displacement Connector

Unit : mm

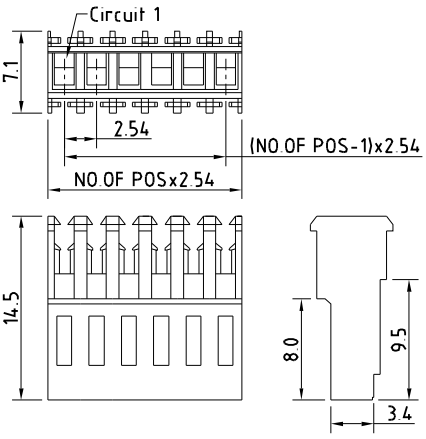
2.54mm IDC

Specification

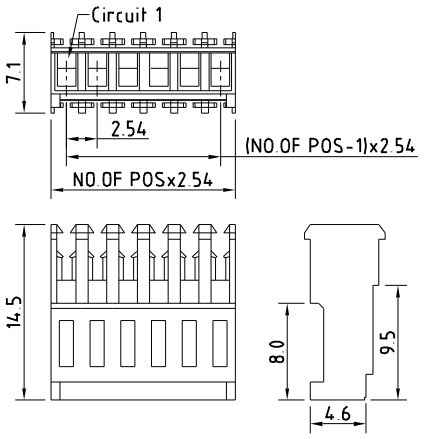
Pitch Between Circuits : 2.54mm
Current Rating : 3A AC/DC
Voltage Rating : 250V AC/DC
Contact Resistance : 20mΩ MAX.
Withstanding Voltage : 1500V AC/minute
Insulation Resistance : 1,000MΩ MIN.
Temperature Range : -25°C TO +85°C
Application : Mate with TU5002 Series Wafer
Features :
Insulator : Regular Thermoplastic 94V-0 or 94V-2
Contact : Copper Alloy Tin-plated or Gold-flash



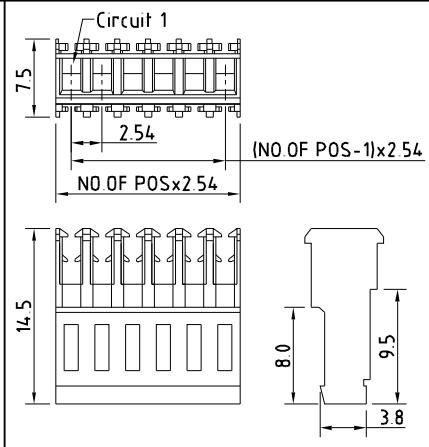
TF5012CNO-NP



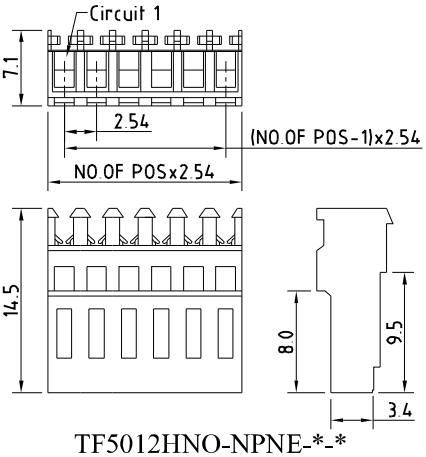
TF5012HNO-NPNT-*-*



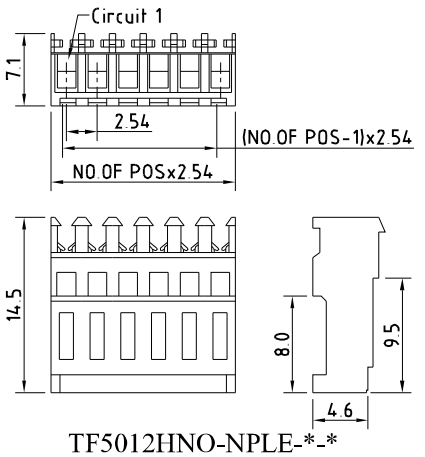
TF5012HNO-NPLT-*-*



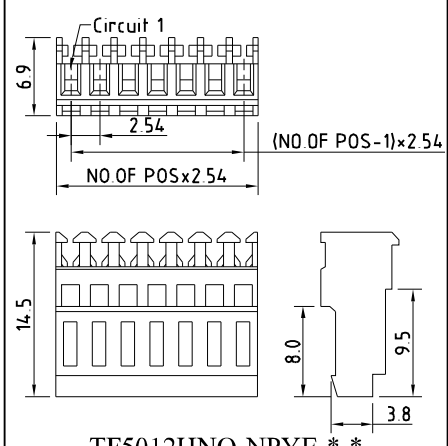
TF5012HNO-NPYT-*-*



TF5012HNO-NPNE-*-*



TF5012HNO-NPLE-*-*

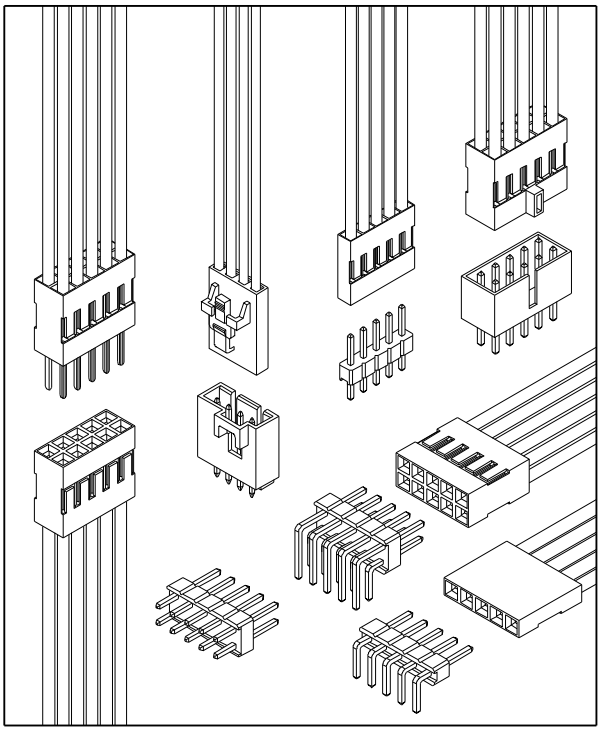


TF5012HNO-NPYE-*-*

Part No.	Circuits	Contact Type	Feature	Wire Range	Finish	Material
TF5012HNO -	06	Y	T	- 2	AE	- V0
	2 - 28	Y:With Locking Ramp N:Without Locking Ramp L:With Locking Ramp and Polarizing	T:Through E:End	2:#22 4:#24 6:#26 8:#28	AE: Pressing before Tin-plated	V0: UL 94V-0 V2: UL 94V-2

TU5005 SERIES

2.54mm Pitch Wire To Board Connector

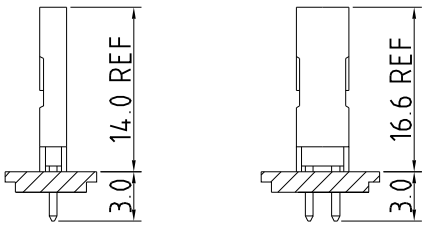


Specification

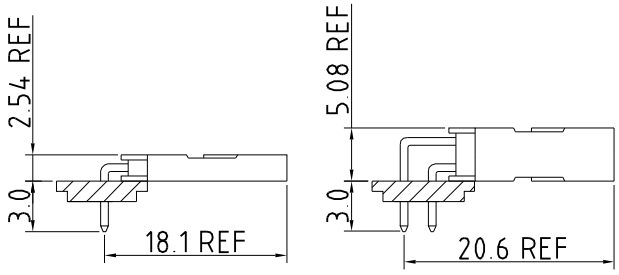
Circuits	1x01-1x40 , 2x01-2x40
Pitch	2.54mm
Current Rating	3A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	800V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #22 - #28
Applicable P.C.B Thickness	1.6mm
Applicable P.C.B Hole Dia.	Ø0.9mm ± 0.05

Assembly Layout

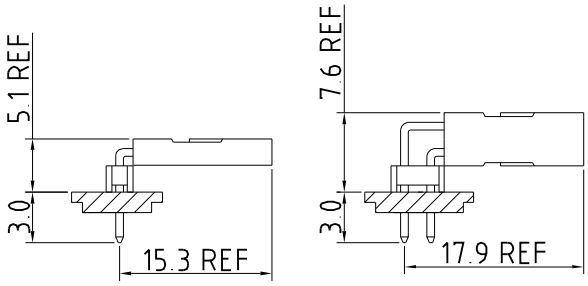
Vertical Type



Right Angle (A-Type)



Right Angle (B-Type)



TU5005 ① * - ② * x NP ③ - ④ * - ⑤ *

① Part No. TU5005	④ Contact Plating Code Blank : As Specified A : A TYPE B : B TYPE R : R TYPE	
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer		
③ Number of Contacts: 1xNP : Single Row 2xNP : Dual Row	⑤ Void Circuit V# : Void Pin	

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU5005 SERIES

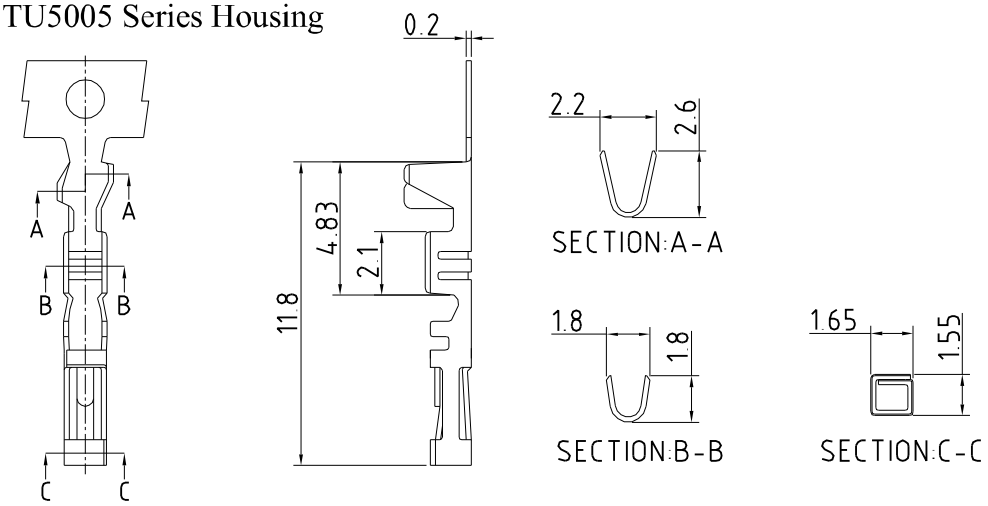
2.54mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU5005 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU5005TPM-*	AWG #22-#28	1.60mm(MAX.)	Phosphor bronze	See note	10,000 pcs
TU5005TBM-*			Brass		

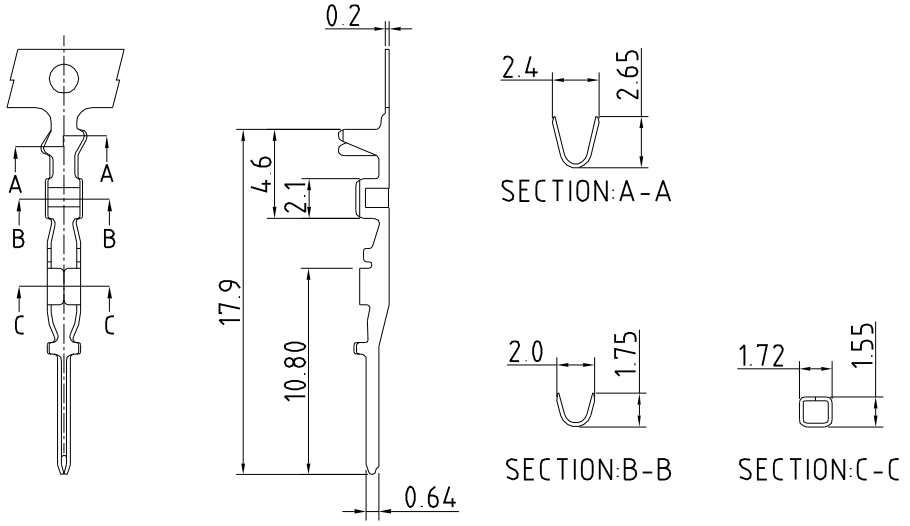
Note:

For this product in a different specification please contact TYU for more information

Terminal

Features

Use with: TU5005 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TB5005TBM-*	AWG #22-#28	1.60mm(MAX.)	Brass	See note	10,000 pcs

Note:

For this product in a different specification please contact TYU for more information

TU5005 SERIES

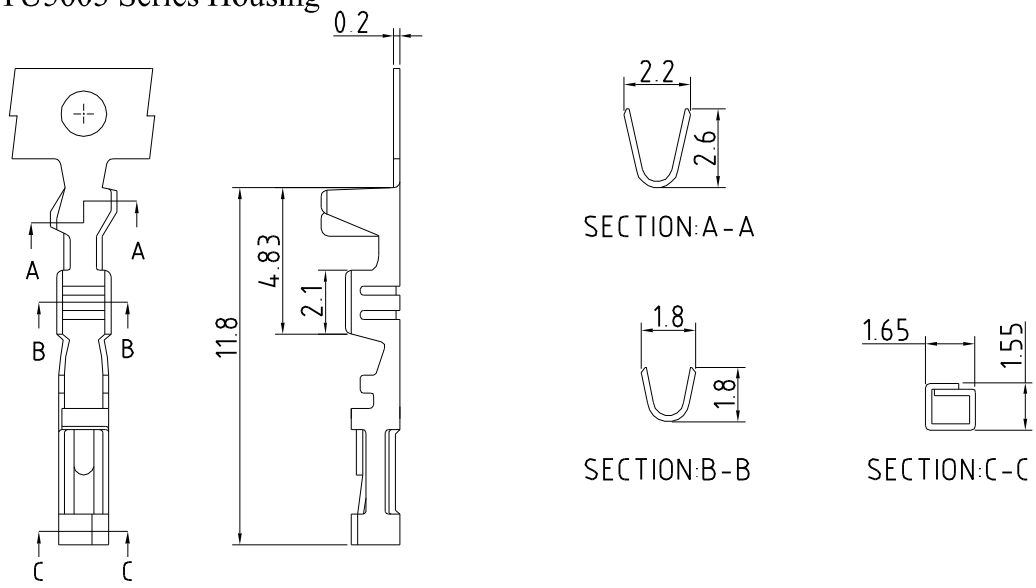
2.54mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU5005 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU5005TPM-2*D	AWG #22-#28	1.60mm(MAX.)	Phosphor bronze	See note	12,000 pcs
TU5005TBM-2*D			Brass		

Note:

For this product in a different specification please contact TYU for more information

TU5005 SERIES

2.54mm Pitch Wire To Board Connector

Unit : mm

Housing

Single Row

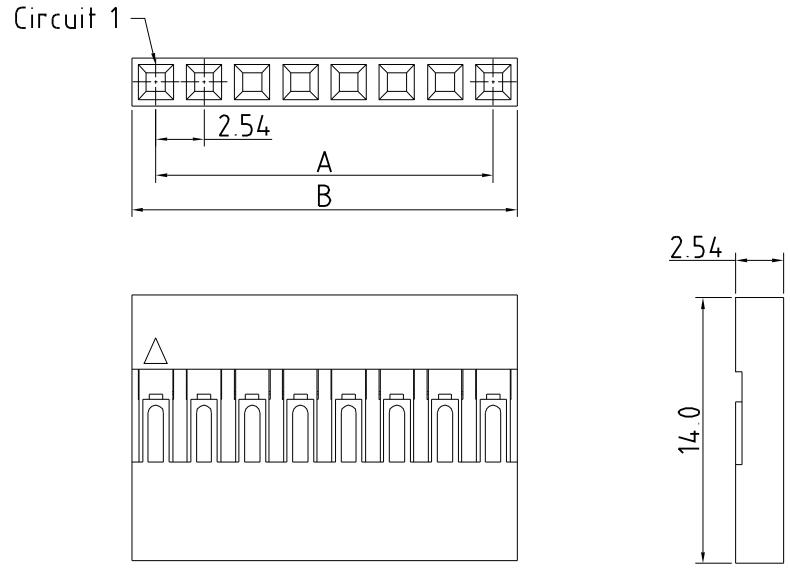
Features

Available Number of Circuits: 1x01 - 1x40

Material: Regular Thermoplastic 94V-0

Use with: TU5005,TB5005 Crimp Terminal

Mates with : TU5005 Series Single Row Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
1	TU5005HNO-1x01	--	2.54
2	TU5005HNO-1x02	2.54	5.08
3	TU5005HNO-1x03	5.08	7.62
4	TU5005HNO-1x04	7.62	10.16
5	TU5005HNO-1x05	10.16	12.70
6	TU5005HNO-1x06	12.70	15.24
7	TU5005HNO-1x07	15.24	17.78
8	TU5005HNO-1x08	17.78	20.32
9	TU5005HNO-1x09	20.32	22.86
10	TU5005HNO-1x10	22.86	25.40
11	TU5005HNO-1x11	25.40	27.94
12	TU5005HNO-1x12	27.94	30.48
13	TU5005HNO-1x13	30.48	33.02
14	TU5005HNO-1x14	33.02	35.56
15	TU5005HNO-1x15	35.56	38.10
16	TU5005HNO-1x16	38.10	40.64
17	TU5005HNO-1x17	40.64	43.18
18	TU5005HNO-1x18	43.18	45.72
⌇	⌇	⌇	⌇
39	TU5005HNO-1x39	96.52	99.06
40	TU5005HNO-1x40	99.06	101.60

TU5005 SERIES

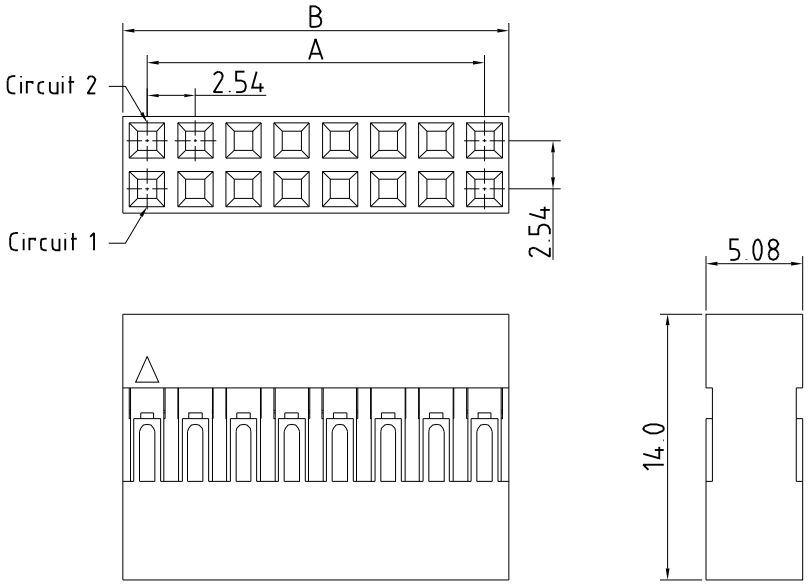
2.54mm Pitch Wire To Board Connector

Unit : mm

Housing Dual Row

Features

Available Number of Circuits: 2x01 - 2x40
Material: Regular Thermoplastic 94V-0
Use with: TU5005,TB5005 Crimp Terminal
Mates with : TU5005 Series Dual Row Wafer



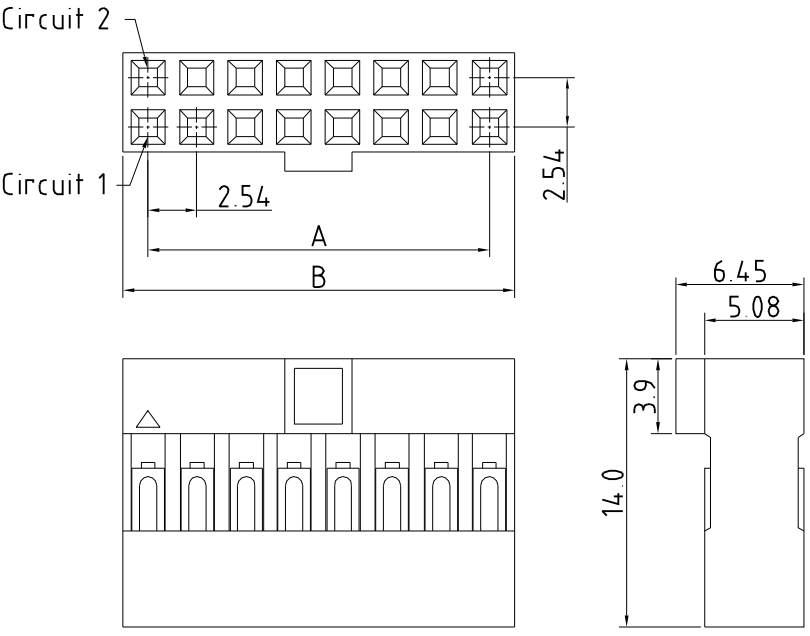
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5005HNO-2x01	--	2.54
4	TU5005HNO-2x02	2.54	5.08
6	TU5005HNO-2x03	5.08	7.62
8	TU5005HNO-2x04	7.62	10.16
10	TU5005HNO-2x05	10.16	12.70
12	TU5005HNO-2x06	12.70	15.24
14	TU5005HNO-2x07	15.24	17.78
16	TU5005HNO-2x08	17.78	20.32
18	TU5005HNO-2x09	20.32	22.86
20	TU5005HNO-2x10	22.86	25.40
22	TU5005HNO-2x11	25.40	27.94
24	TU5005HNO-2x12	27.94	30.48
26	TU5005HNO-2x13	30.48	33.02
28	TU5005HNO-2x14	33.02	35.56
30	TU5005HNO-2x15	35.56	38.10
32	TU5005HNO-2x16	38.10	40.64
34	TU5005HNO-2x17	40.64	43.18
36	TU5005HNO-2x18	43.18	45.72
≀	≀	≀	≀
78	TU5005HNO-2x39	96.52	99.06
80	TU5005HNO-2x40	99.06	101.60

Housing Dual Row R-TYPE

Features

Available Number of Circuits: 2x01 - 2x40
Material: Regular Thermoplastic 94V-0
Use with: TU5005 Crimp Terminal
Mates with : TU5005 Series Dual Row R Type Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5005HNO-2x01R	--	2.54
4	TU5005HNO-2x02R	2.54	5.08
6	TU5005HNO-2x03R	5.08	7.62
8	TU5005HNO-2x04R	7.62	10.16
10	TU5005HNO-2x05R	10.16	12.70
12	TU5005HNO-2x06R	12.70	15.24
14	TU5005HNO-2x07R	15.24	17.78
16	TU5005HNO-2x08R	17.78	20.32
18	TU5005HNO-2x09R	20.32	22.86
20	TU5005HNO-2x10R	22.86	25.40
22	TU5005HNO-2x11R	25.40	27.94
24	TU5005HNO-2x12R	27.94	30.48
26	TU5005HNO-2x13R	30.48	33.02
28	TU5005HNO-2x14R	33.02	35.56
30	TU5005HNO-2x15R	35.56	38.10
32	TU5005HNO-2x16R	38.10	40.64
34	TU5005HNO-2x17R	40.64	43.18
36	TU5005HNO-2x18R	43.18	45.72
38	TU5005HNO-2x19R	45.72	48.26
40	TU5005HNO-2x20R	48.26	50.80
42	TU5005HNO-2x21R	50.80	53.34
≀	≀	≀	≀
78	TU5005HNO-2x39R	96.52	99.06
80	TU5005HNO-2x40R	99.06	101.60

TU5005 SERIES

2.54mm Pitch Wire To Board Connector

Unit : mm

Wafer Single Row Vertical

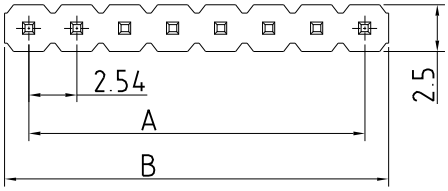
Features

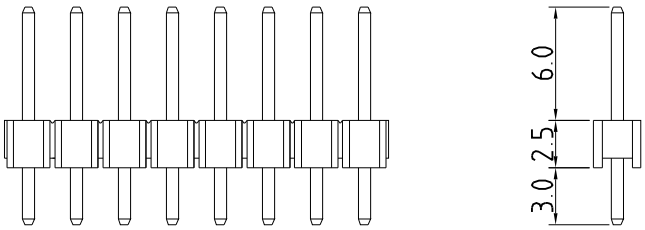
Available Number of Circuits : 1x02 - 1x40

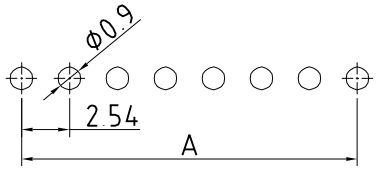
Material : High Temperature Thermoplastic 94V-0 or Regular Thermoplastic 94V-0

Contact: 0.64mm(.025") Copper Alloy, Gold-flash

Mates with : TU5005 Series Single Row Housing







P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5005WNV-1x02-*-*	2.54	4.83
3	TU5005WNV-1x03-*-*	5.08	7.37
4	TU5005WNV-1x04-*-*	7.62	9.91
5	TU5005WNV-1x05-*-*	10.16	12.45
6	TU5005WNV-1x06-*-*	12.70	14.99
7	TU5005WNV-1x07-*-*	15.24	17.53
8	TU5005WNV-1x08-*-*	17.78	20.07
9	TU5005WNV-1x09-*-*	20.32	22.61
10	TU5005WNV-1x10-*-*	22.86	25.15
11	TU5005WNV-1x11-*-*	25.40	27.69
12	TU5005WNV-1x12-*-*	27.94	30.23
13	TU5005WNV-1x13-*-*	30.48	32.77
14	TU5005WNV-1x14-*-*	33.02	35.31
15	TU5005WNV-1x15-*-*	35.56	37.85
16	TU5005WNV-1x16-*-*	38.10	40.39
17	TU5005WNV-1x17-*-*	40.64	42.93
18	TU5005WNV-1x18-*-*	43.18	45.47
≀			
39	TU5005WNV-1x39-*-*	96.52	98.81
40	TU5005WNV-1x40-*-*	99.06	101.35

Wafer Dual Row Vertical

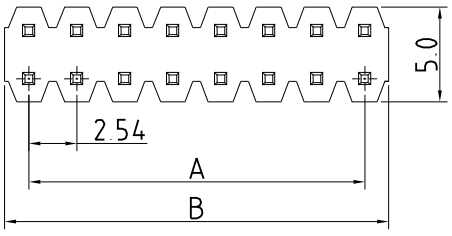
Features

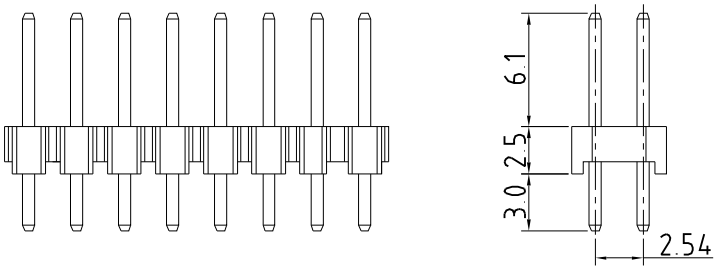
Available Number of Circuits : 2x02 - 2x40

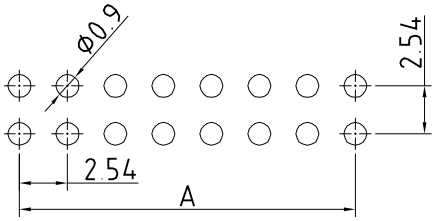
Material : High Temperature Thermoplastic 94V-0 or Regular Thermoplastic 94V-0

Contact: 0.64mm(.025") Copper Alloy, Gold-flash

Mates with : TU5005 Series Dual Row Housing







P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU5005WNV-2x02-*-*	2.54	4.83
6	TU5005WNV-2x03-*-*	5.08	7.37
8	TU5005WNV-2x04-*-*	7.62	9.91
10	TU5005WNV-2x05-*-*	10.16	12.45
12	TU5005WNV-2x06-*-*	12.70	14.99
14	TU5005WNV-2x07-*-*	15.24	17.53
16	TU5005WNV-2x08-*-*	17.78	20.07
18	TU5005WNV-2x09-*-*	20.32	22.61
20	TU5005WNV-2x10-*-*	22.86	25.15
22	TU5005WNV-2x11-*-*	25.40	27.69
24	TU5005WNV-2x12-*-*	27.94	30.23
26	TU5005WNV-2x13-*-*	30.48	32.77
28	TU5005WNV-2x14-*-*	33.02	35.31
30	TU5005WNV-2x15-*-*	35.56	37.85
32	TU5005WNV-2x16-*-*	38.10	40.39
34	TU5005WNV-2x17-*-*	40.64	42.93
36	TU5005WNV-2x18-*-*	43.18	45.47
≀			
78	TU5005WNV-2x39-*-*	96.52	98.81
80	TU5005WNV-2x40-*-*	99.06	101.35

TU5005 SERIES

2.54mm Pitch Wire To Board Connector

Unit : mm

Wafer — Single Row Right Angle

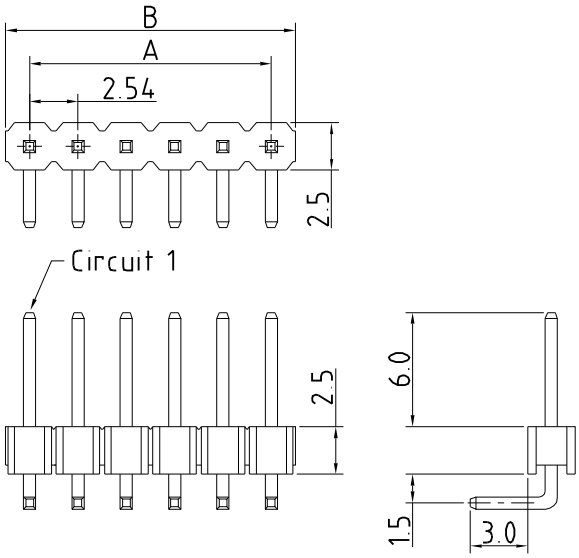
Features

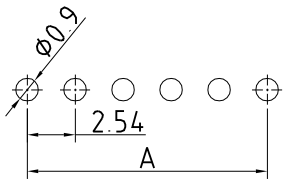
Available Number of Circuits : 02 - 40

Material : High Temperature Thermoplastic 94V-0 or Regular Thermoplastic 94V-0

Contact: 0.64mm(.025") Copper Alloy, Gold-flash

Mates with : TU5005 Series Single Row Housing





P.C.B LAYPUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5005WNR-1x02A-*-*	2.54	4.83
3	TU5005WNR-1x03A-*-*	5.08	7.37
4	TU5005WNR-1x04A-*-*	7.62	9.91
5	TU5005WNR-1x05A-*-*	10.16	12.45
6	TU5005WNR-1x06A-*-*	12.70	14.99
7	TU5005WNR-1x07A-*-*	15.24	17.53
8	TU5005WNR-1x08A-*-*	17.78	20.07
9	TU5005WNR-1x09A-*-*	20.32	22.61
10	TU5005WNR-1x10A-*-*	22.86	25.15
11	TU5005WNR-1x11A-*-*	25.40	27.69
12	TU5005WNR-1x12A-*-*	27.94	30.23
13	TU5005WNR-1x13A-*-*	30.48	32.77
14	TU5005WNR-1x14A-*-*	33.02	35.31
15	TU5005WNR-1x15A-*-*	35.56	37.85
16	TU5005WNR-1x16A-*-*	38.10	40.39
17	TU5005WNR-1x17A-*-*	40.64	42.93
18	TU5005WNR-1x18A-*-*	43.18	45.47
≀			
39	TU5005WNR-1x39A-*-*	96.52	98.81
40	TU5005WNR-1x40A-*-*	99.06	101.35

Wafer — Single Row Right Angle

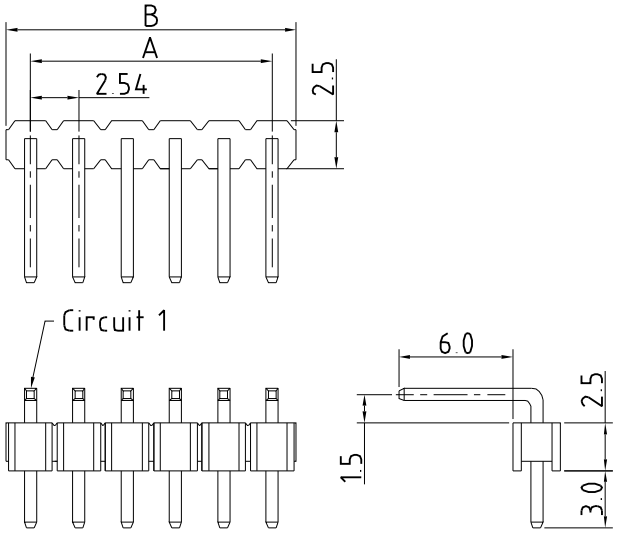
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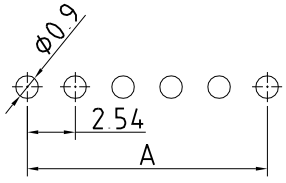
Available Number of Circuits : 02 - 40

Material : High Temperature Thermoplastic 94V-0 or Regular Thermoplastic 94V-0

Contact: 0.64mm(.025") Copper Alloy, Gold-flash

Mates with : TU5005 Series Single Row Housing





P.C.B LAYPUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5005WNR-1x02B-*-*	2.54	4.83
3	TU5005WNR-1x03B-*-*	5.08	7.37
4	TU5005WNR-1x04B-*-*	7.62	9.91
5	TU5005WNR-1x05B-*-*	10.16	12.45
6	TU5005WNR-1x06B-*-*	12.70	14.99
7	TU5005WNR-1x07B-*-*	15.24	17.53
8	TU5005WNR-1x08B-*-*	17.78	20.07
9	TU5005WNR-1x09B-*-*	20.32	22.61
10	TU5005WNR-1x10B-*-*	22.86	25.15
11	TU5005WNR-1x11B-*-*	25.40	27.69
12	TU5005WNR-1x12B-*-*	27.94	30.23
13	TU5005WNR-1x13B-*-*	30.48	32.77
14	TU5005WNR-1x14B-*-*	33.02	35.31
15	TU5005WNR-1x15B-*-*	35.56	37.85
16	TU5005WNR-1x16B-*-*	38.10	40.39
17	TU5005WNR-1x17B-*-*	40.64	42.93
18	TU5005WNR-1x18B-*-*	43.18	45.47
≀			
39	TU5005WNR-1x39B-*-*	96.52	98.81
40	TU5005WNR-1x40B-*-*	99.06	101.35

TU5005 SERIES

2.54mm Pitch Wire To Board Connector

Unit : mm

Wafer Dual Row A-TYPE

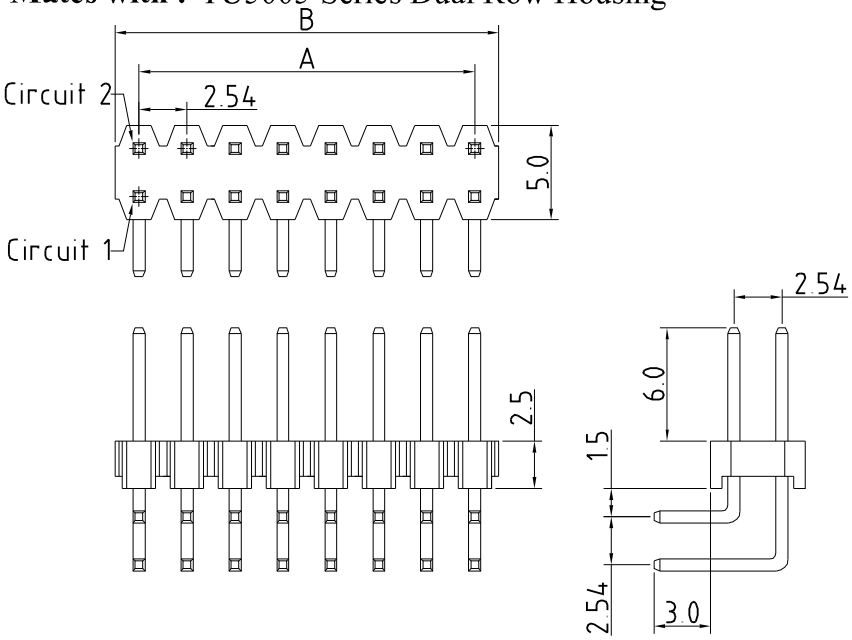
Features

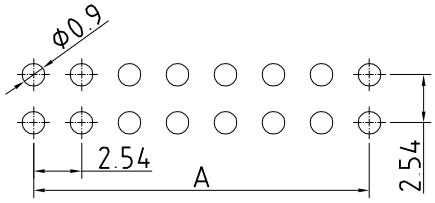
Available Number of Circuits : 2x02 - 2x40

Material : High Temperature Thermoplastic 94V-0 or Regular Thermoplastic 94V-0

Contact: 0.64mm(.025") Copper Alloy, Gold-flash

Mates with : TU5005 Series Dual Row Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU5005WNR-2x02A	2.54	4.83
6	TU5005WNR-2x03A	5.08	7.37
8	TU5005WNR-2x04A	7.62	9.91
10	TU5005WNR-2x05A	10.16	12.45
12	TU5005WNR-2x06A	12.70	14.99
14	TU5005WNR-2x07A	15.24	17.53
16	TU5005WNR-2x08A	17.78	20.07
18	TU5005WNR-2x09A	20.32	22.61
20	TU5005WNR-2x10A	22.86	25.15
22	TU5005WNR-2x11A	25.40	27.69
24	TU5005WNR-2x12A	27.94	30.23
26	TU5005WNR-2x13A	30.48	32.77
28	TU5005WNR-2x14A	33.02	35.31
30	TU5005WNR-2x15A	35.56	37.85
32	TU5005WNR-2x16A	38.10	40.39
34	TU5005WNR-2x17A	40.64	42.93
36	TU5005WNR-2x18A	43.18	45.47
≀	≀	≀	≀
78	TU5005WNR-2x39A	96.52	98.81
80	TU5005WNR-2x40A	99.06	101.35

Wafer Dual Row B-TYPE

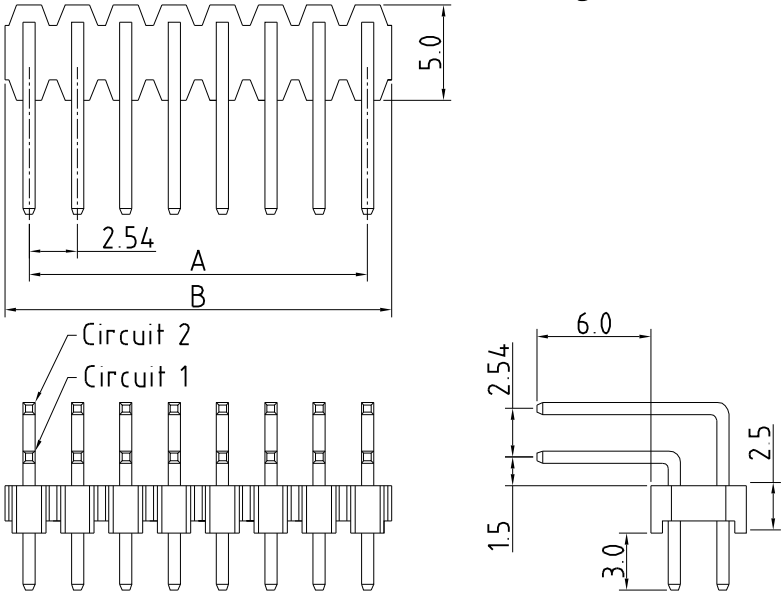
Features

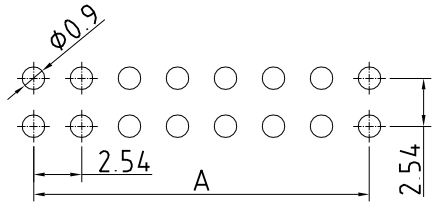
Available Number of Circuits : 2x02 - 2x40

Material : High Temperature Thermoplastic 94V-0 or Regular Thermoplastic 94V-0

Contact: 0.64mm(.025") Copper Alloy, Gold-flash

Mates with : TU5005 Series Dual Row Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU5005WNR-2x02B	2.54	4.83
6	TU5005WNR-2x03B	5.08	7.37
8	TU5005WNR-2x04B	7.62	9.91
10	TU5005WNR-2x05B	10.16	12.45
12	TU5005WNR-2x06B	12.70	14.99
14	TU5005WNR-2x07B	15.24	17.53
16	TU5005WNR-2x08B	17.78	20.07
18	TU5005WNR-2x09B	20.32	22.61
20	TU5005WNR-2x10B	22.86	25.15
22	TU5005WNR-2x11B	25.40	27.69
24	TU5005WNR-2x12B	27.94	30.23
26	TU5005WNR-2x13B	30.48	32.77
28	TU5005WNR-2x14B	33.02	35.31
30	TU5005WNR-2x15B	35.56	37.85
32	TU5005WNR-2x16B	38.10	40.39
34	TU5005WNR-2x17B	40.64	42.93
36	TU5005WNR-2x18B	43.18	45.47
≀	≀	≀	≀
78	TU5005WNR-2x39B	96.52	98.81
80	TU5005WNR-2x40B	99.06	101.35

TU5005 SERIES

2.54mm Pitch Wire To Board Connector

Unit : mm

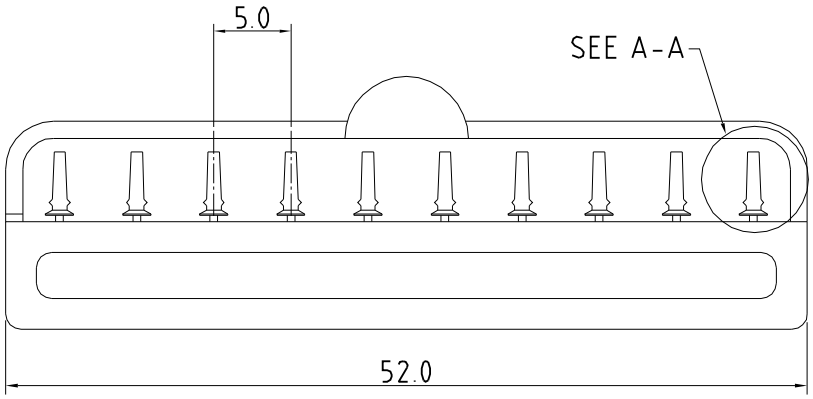
Polarizing Key Dual Row

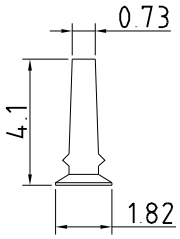
Features

Material : Regular Thermoplastic 94V-0

Use with : TU5005 Series Housing

Part No.	Color	Q'ty/Bag
TU5005KBO-W	White	1,000pcs
TU5005KBO-B	Black	1,000pcs





A-A 1:2

TU5005 SERIES

2.54mm Pitch Wire To Board Connector

Unit : mm

Wafer Dual Row Vertical R Type

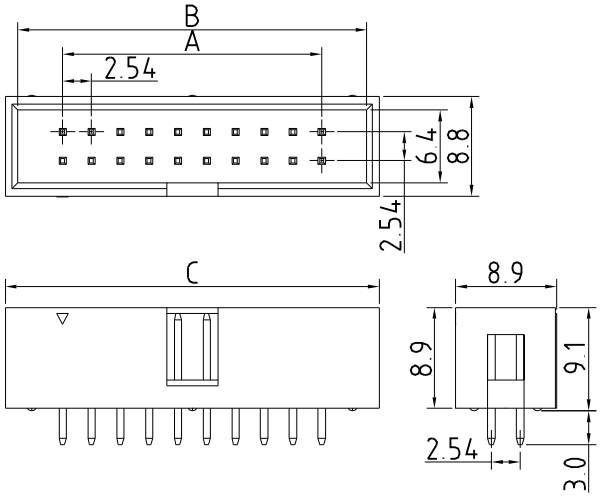
Features

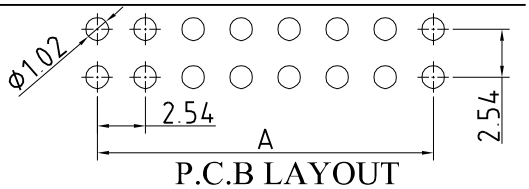
Available Number of Circuits : 2x03 - 2x25

Material : High Temperature Thermoplastic 94V-0 or Regular Thermoplastic 94V-0

Contact: 0.64mm(.025") Copper Alloy, Gold-flash

Mates with : TU5005 Series Dual Row R Type Housing
TU5006 Series Dual Row E Type Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
6	TU5005WNV-2x03R	5.08	13.02	15.22
8	TU5005WNV-2x04R	7.62	15.56	17.76
10	TU5005WNV-2x05R	10.16	18.10	20.30
12	TU5005WNV-2x06R	12.70	20.64	22.84
14	TU5005WNV-2x07R	15.24	23.18	25.38
16	TU5005WNV-2x08R	17.78	25.72	27.92
18	TU5005WNV-2x09R	20.32	28.26	30.46
20	TU5005WNV-2x10R	22.86	30.80	33.00
22	TU5005WNV-2x11R	25.40	33.34	35.54
24	TU5005WNV-2x12R	27.94	35.88	38.08
26	TU5005WNV-2x13R	30.48	38.42	40.62
28	TU5005WNV-2x14R	33.02	40.96	43.16
30	TU5005WNV-2x15R	35.56	43.50	45.70
32	TU5005WNV-2x16R	38.10	46.04	48.24
34	TU5005WNV-2x17R	40.64	48.58	50.78
36	TU5005WNV-2x18R	43.18	51.12	53.32
38	TU5005WNV-2x19R	45.72	53.66	55.86
40	TU5005WNV-2x20R	48.26	56.20	58.40
42	TU5005WNV-2x21R	50.80	58.74	60.94
44	TU5005WNV-2x22R	53.34	62.28	63.48
46	TU5005WNV-2x23R	55.88	63.82	66.02
48	TU5005WNV-2x24R	58.42	66.36	68.56
50	TU5005WNV-2x25R	60.96	68.90	71.10

Wafer Dual Row Right Angle R Type

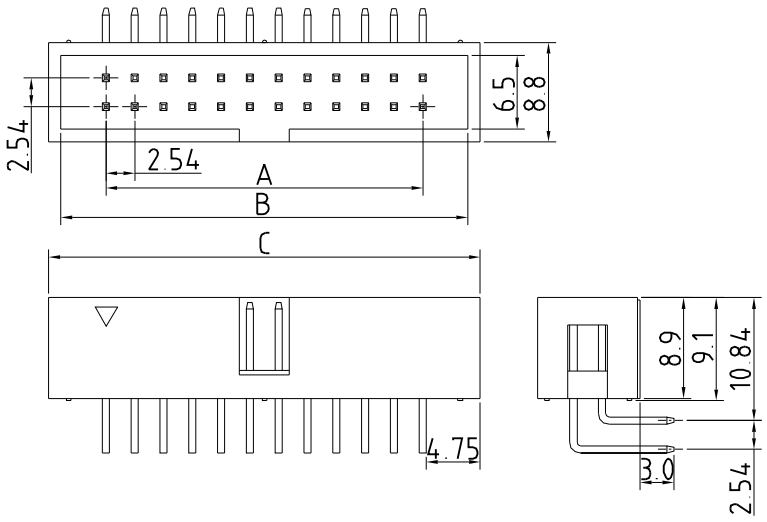
Features

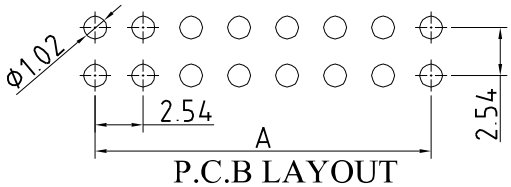
Available Number of Circuits : 2x03 - 2x25

Material : High Temperature Thermoplastic 94V-0 or Regular Thermoplastic 94V-0

Contact: 0.64mm(.025") Copper Alloy, Gold-flash

Mates with : TU5005 Series Dual Row R Type Housing
TU5006 Series Dual Row E Type Housing





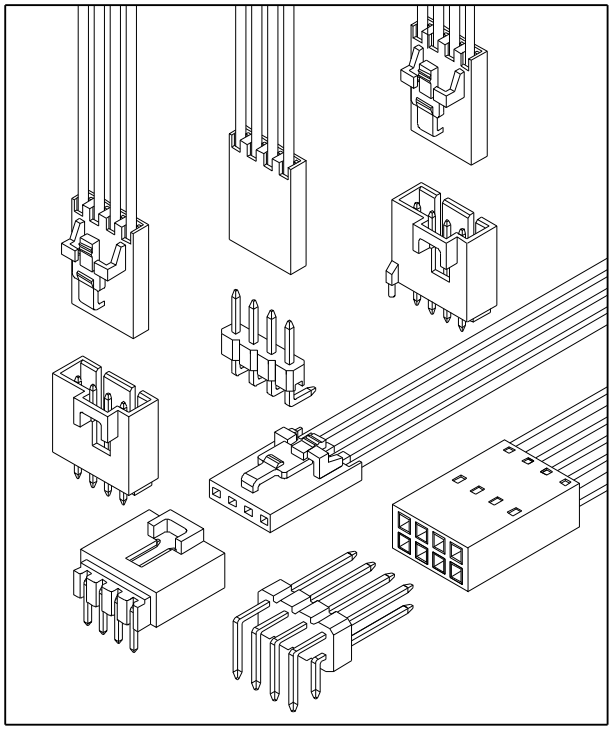
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
6	TU5005WNR-2x03R	5.08	13.02	15.22
8	TU5005WNR-2x04R	7.62	15.56	17.76
10	TU5005WNR-2x05R	10.16	18.10	20.30
12	TU5005WNR-2x06R	12.70	20.64	22.84
14	TU5005WNR-2x07R	15.24	23.18	25.38
16	TU5005WNR-2x08R	17.78	25.72	27.92
18	TU5005WNR-2x09R	20.32	28.26	30.46
20	TU5005WNR-2x10R	22.86	30.80	33.00
22	TU5005WNR-2x11R	25.40	33.34	35.54
24	TU5005WNR-2x12R	27.94	35.88	38.08
26	TU5005WNR-2x13R	30.48	38.42	40.62
28	TU5005WNR-2x14R	33.02	40.96	43.16
30	TU5005WNR-2x15R	35.56	43.50	45.70
32	TU5005WNR-2x16R	38.10	46.04	48.24
34	TU5005WNR-2x17R	40.64	48.58	50.78
36	TU5005WNR-2x18R	43.18	51.12	53.32
38	TU5005WNR-2x19R	45.72	53.66	55.86
40	TU5005WNR-2x20R	48.26	56.20	58.40
42	TU5005WNR-2x21R	50.80	58.74	60.94
44	TU5005WNR-2x22R	53.34	62.28	63.48
46	TU5005WNR-2x23R	55.88	63.82	66.02
48	TU5005WNR-2x24R	58.42	66.36	68.56
50	TU5005WNR-2x25R	60.96	68.90	71.10

TU5006 SERIES

2.54mm Pitch Wire To Board Connector

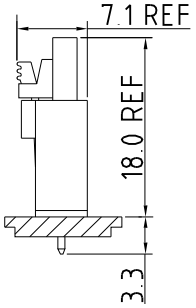


Specification

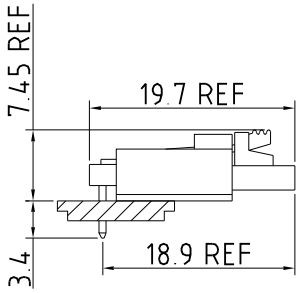
Circuits	1x02-1x25 , 2x02-2x32
Pitch	2.54mm
Current Rating	3A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	800V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #22 - #30
Applicable P.C.B Thickness	1.6mm
Applicable P.C.B Hole Dia.	Ø1.0mm ± 0.05

Assembly Layout

Vertical Type



Right Angle Type



TU5006 * - * x NP * - * - * - *
① ② ③ ④ ⑤ ⑥ ⑦

① Part No. TU5006	④ Mount Type E : E Type Housing F : F Type Wafer With Boss K : K Type With Lock R : R Type Housing	⑥ Material Code Blank : As Specified M7 : Nylon 9T UL 94V-0
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer	⑤ Contact Plating Code Blank : As Specified G*: Gold *u" Over Nickel AC: Matte-Tim Over Nickel	⑦ Product Color Blank : As Specified C* : Color of number
③ Number of Contacts: 1xNP : Single row 2xNP : Dual row		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU5006 SERIES

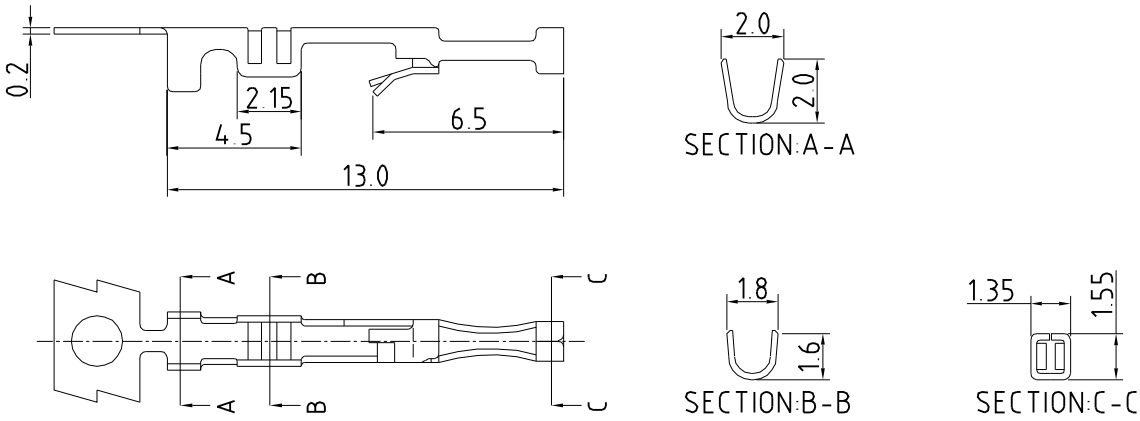
2.54mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU5006 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU5006TPO-2*	AWG #24-#30	1.50mm(MAX.)	Phosphor bronze	See note	10,000 pcs

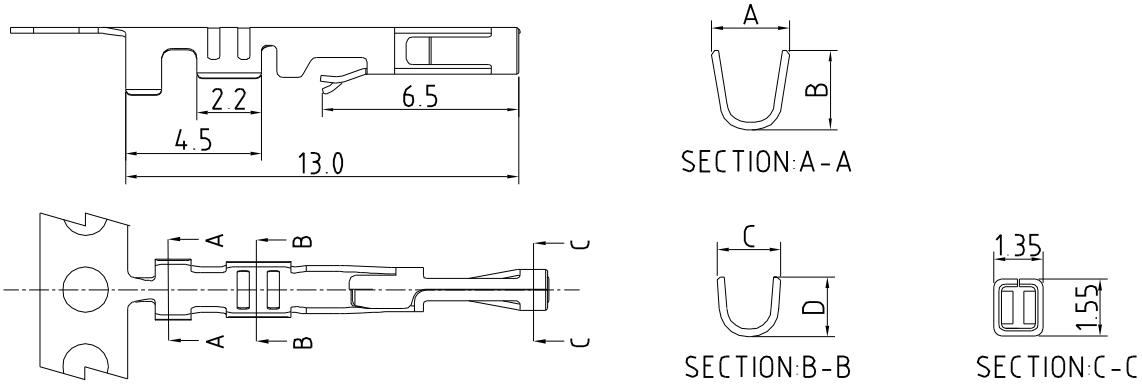
Note:

For this product in a different specification please contact TYU for more information

Terminal

Features

Use with: TU5006 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TU5006TPO-3*	AWG #24-#30	1.50mm(MAX.)	2.0	2.0	1.8	1.5	Phosphor bronze	See note	15,000 pcs
TU5006TPH-3*	AWG #22-#24	1.60mm(MAX.)	2.0	2.3	1.9	1.7			

Note:

For this product in a different specification please contact TYU for more information

TU5006 SERIES

2.54mm Pitch Wire To Board Connector

Unit : mm

Housing Single Row

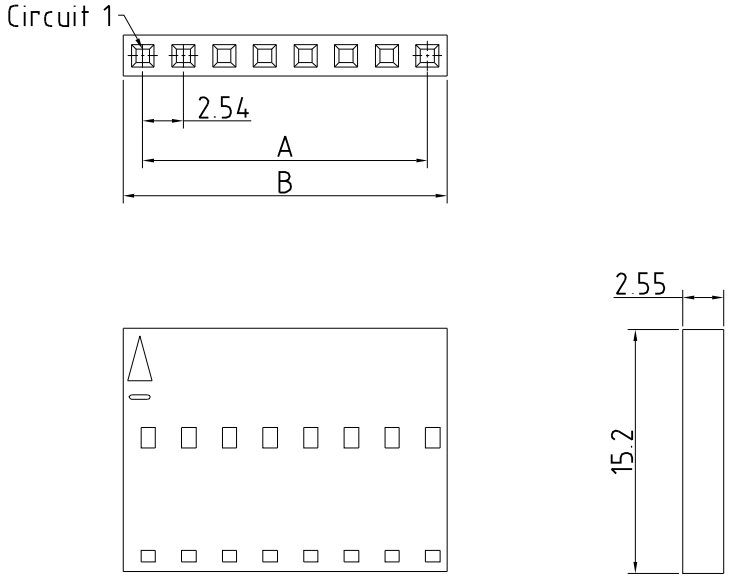
Features

Available Number of Circuits: 02 - 25

Material: Regular Thermoplastic 94V-0

Use with: TU5006 Crimp Terminal

Mates with : TU5005 Series Single Row Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5006HNO-1x02	2.54	5.00
3	TU5006HNO-1x03	5.08	7.54
4	TU5006HNO-1x04	7.62	10.08
5	TU5006HNO-1x05	10.16	12.62
6	TU5006HNO-1x06	12.70	15.16
7	TU5006HNO-1x07	15.24	17.70
8	TU5006HNO-1x08	17.78	20.24
9	TU5006HNO-1x09	20.32	22.78
10	TU5006HNO-1x10	22.86	25.32
11	TU5006HNO-1x11	25.40	27.86
12	TU5006HNO-1x12	27.94	30.40
13	TU5006HNO-1x13	30.48	32.49
14	TU5006HNO-1x14	33.02	35.48
15	TU5006HNO-1x15	35.56	38.02
16	TU5006HNO-1x16	38.10	40.56
17	TU5006HNO-1x17	40.64	43.10
18	TU5006HNO-1x18	43.18	45.64
19	TU5006HNO-1x19	45.72	48.18
20	TU5006HNO-1x20	48.26	50.72
21	TU5006HNO-1x21	50.80	53.26
22	TU5006HNO-1x22	53.34	55.80
23	TU5006HNO-1x23	55.88	58.34
24	TU5006HNO-1x24	58.42	60.88
25	TU5006HNO-1x25	60.96	63.42

Housing Single Row F-TYPE

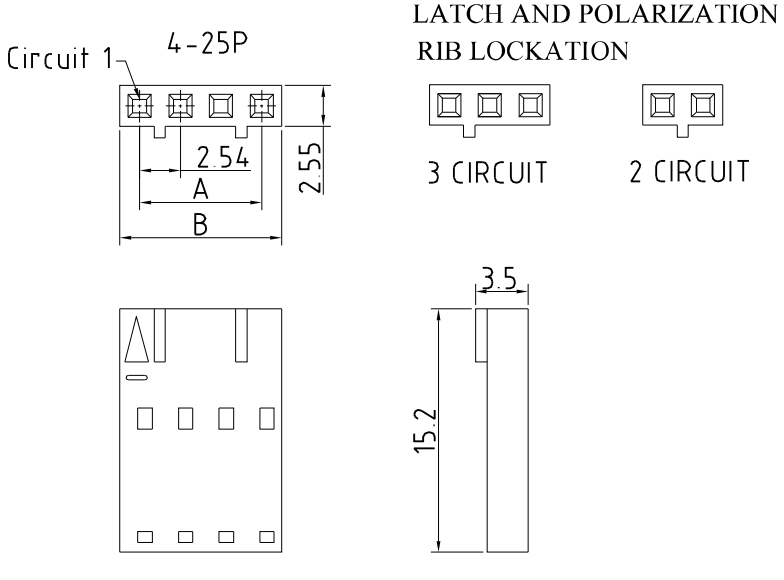
Features

Available Number of Circuits: 02 - 25

Material: Regular Thermoplastic 94V-0

Use with: TU5006 Crimp Terminal

Mates with : TU5006 Series Wafer or TY5006 Series Housing



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5006HNO-1x02F	2.54	5.00
3	TU5006HNO-1x03F	5.08	7.54
4	TU5006HNO-1x04F	7.62	10.08
5	TU5006HNO-1x05F	10.16	12.62
6	TU5006HNO-1x06F	12.70	15.16
7	TU5006HNO-1x07F	15.24	17.70
8	TU5006HNO-1x08F	17.78	20.24
9	TU5006HNO-1x09F	20.32	22.78
10	TU5006HNO-1x10F	22.86	25.32
11	TU5006HNO-1x11F	25.40	27.86
12	TU5006HNO-1x12F	27.94	30.40
13	TU5006HNO-1x13F	30.48	32.49
14	TU5006HNO-1x14F	33.02	35.48
15	TU5006HNO-1x15F	35.56	38.02
16	TU5006HNO-1x16F	38.10	40.56
17	TU5006HNO-1x17F	40.64	43.10
18	TU5006HNO-1x18F	43.18	45.64
19	TU5006HNO-1x19F	45.72	48.18
20	TU5006HNO-1x20F	48.26	50.72
21	TU5006HNO-1x21F	50.80	53.26
22	TU5006HNO-1x22F	53.34	55.80
23	TU5006HNO-1x23F	55.88	58.34
24	TU5006HNO-1x24F	58.42	60.88
25	TU5006HNO-1x25F	60.96	63.42

TU5006 SERIES

2.54mm Pitch Wire To Board Connector

Unit : mm

Housing

Single Row With Lock

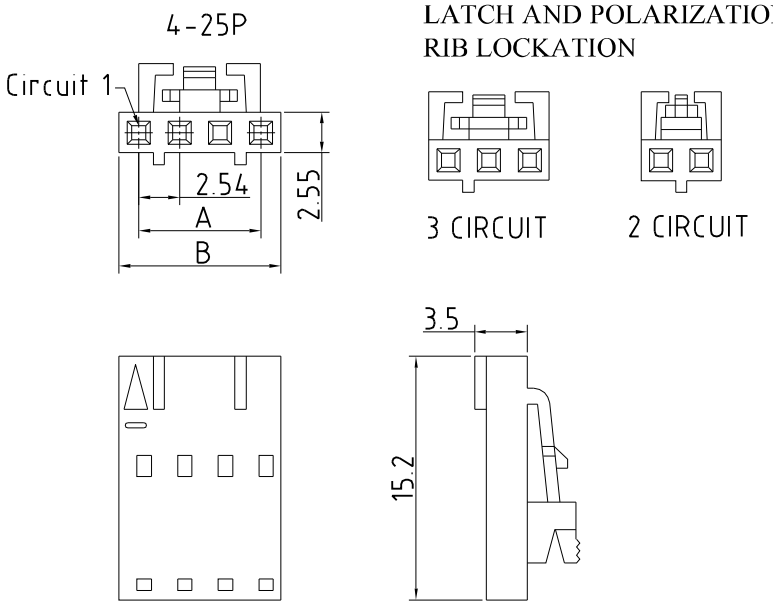
Features

Available Number of Circuits: 02 - 25

Material: Regular Thermoplastic 94V-0

Use with: TU5006 Crimp Terminal

Mates with : TU5006 Series Wafer or TY5006 Series Housing



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5006HNO-1x02K	2.54	5.00
3	TU5006HNO-1x03K	5.08	7.54
4	TU5006HNO-1x04K	7.62	10.08
5	TU5006HNO-1x05K	10.16	12.62
6	TU5006HNO-1x06K	12.70	15.16
7	TU5006HNO-1x07K	15.24	17.70
8	TU5006HNO-1x08K	17.78	20.24
9	TU5006HNO-1x09K	20.32	22.78
10	TU5006HNO-1x10K	22.86	25.32
11	TU5006HNO-1x11K	25.40	27.86
12	TU5006HNO-1x12K	27.94	30.40
13	TU5006HNO-1x13K	30.48	32.49
14	TU5006HNO-1x14K	33.02	35.48
15	TU5006HNO-1x15K	35.56	38.02
16	TU5006HNO-1x16K	38.10	40.56
17	TU5006HNO-1x17K	40.64	43.10
18	TU5006HNO-1x18K	43.18	45.64
19	TU5006HNO-1x19K	45.72	48.18
20	TU5006HNO-1x20K	48.26	50.72
21	TU5006HNO-1x21K	50.80	53.26
22	TU5006HNO-1x22K	53.34	55.80
23	TU5006HNO-1x23K	55.88	58.34
24	TU5006HNO-1x24K	58.42	60.88
25	TU5006HNO-1x25K	60.96	63.42

Housing

Dual Row E-TYPE

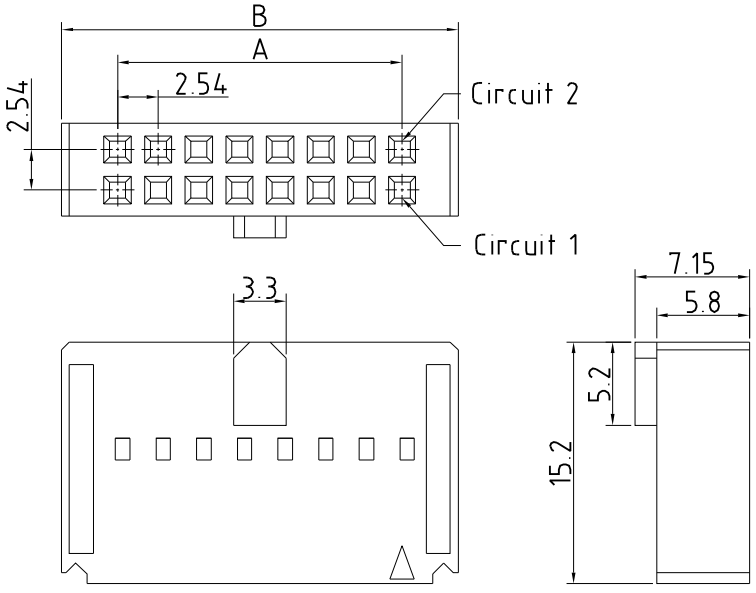
Features

Available Number of Circuits: 2x02 - 2x32

Material: Regular Thermoplastic 94V-0

Use with: TU5006 Crimp Terminal

Mates with : TU5005 Series Dual Row R Type Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU5006HNO-2x02E	2.54	9.54
6	TU5006HNO-2x03E	5.08	12.08
8	TU5006HNO-2x04E	7.62	14.62
10	TU5006HNO-2x05E	10.16	17.16
12	TU5006HNO-2x06E	12.70	19.70
14	TU5006HNO-2x07E	15.24	22.24
16	TU5006HNO-2x08E	17.78	24.78
18	TU5006HNO-2x09E	20.32	27.32
20	TU5006HNO-2x10E	22.86	29.86
22	TU5006HNO-2x11E	25.40	32.40
24	TU5006HNO-2x12E	27.94	34.94
26	TU5006HNO-2x13E	30.48	37.48
28	TU5006HNO-2x14E	33.02	40.02
30	TU5006HNO-2x15E	35.56	42.56
32	TU5006HNO-2x16E	38.10	45.10
34	TU5006HNO-2x17E	40.64	47.64
36	TU5006HNO-2x18E	43.18	50.18
38	TU5006HNO-2x19E	45.72	52.72
≀	≀		
62	TU5006HNO-2x31E	76.20	83.20
64	TU5006HNO-2x32E	78.74	85.74

TU5006 SERIES

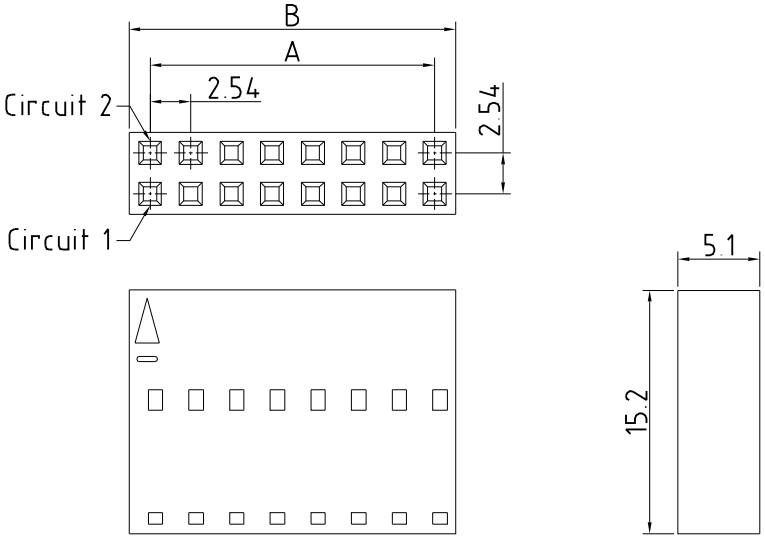
2.54mm Pitch Wire To Board Connector

Unit : mm

Housing Dual Row

Features

Available Number of Circuits: 2x02 - 2x25
Material: Regular Thermoplastic 94V-0
Use with: TU5006 Crimp Terminal
Mates with : TU5005 Series Dual Row Wafer



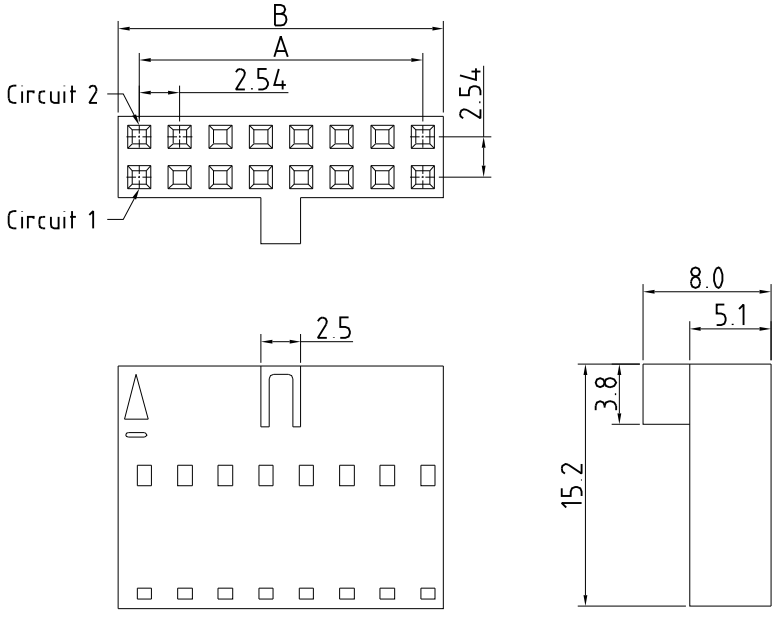
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU5006HNO-2x02	2.54	5.16
6	TU5006HNO-2x03	5.08	7.70
8	TU5006HNO-2x04	7.62	10.24
10	TU5006HNO-2x05	10.16	12.86
12	TU5006HNO-2x06	12.70	15.32
14	TU5006HNO-2x07	15.24	17.86
16	TU5006HNO-2x08	17.78	20.40
18	TU5006HNO-2x09	20.32	22.94
20	TU5006HNO-2x10	22.86	25.48
22	TU5006HNO-2x11	25.40	28.02
24	TU5006HNO-2x12	27.94	30.56
26	TU5006HNO-2x13	30.48	33.01
28	TU5006HNO-2x14	33.02	35.64
30	TU5006HNO-2x15	35.56	38.18
32	TU5006HNO-2x16	38.10	40.72
34	TU5006HNO-2x17	40.64	43.26
36	TU5006HNO-2x18	43.18	45.80
38	TU5006HNO-2x19	45.72	48.34
40	TU5006HNO-2x20	48.26	50.88
42	TU5006HNO-2x21	50.80	53.42
44	TU5006HNO-2x22	53.34	55.96
46	TU5006HNO-2x23	55.88	58.50
48	TU5006HNO-2x24	58.42	61.04
50	TU5006HNO-2x25	60.96	63.58

Housing Dual Row R-TYPE

Features

Available Number of Circuits: 2x02 -2x16
Material: Regular Thermoplastic 94V-0
Use with: TU5006 Crimp Terminal



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU5006HNO-2x02R	2.54	5.16
6	TU5006HNO-2x03R	5.08	7.70
8	TU5006HNO-2x04R	7.62	10.24
10	TU5006HNO-2x05R	10.16	12.78
12	TU5006HNO-2x06R	12.70	15.32
14	TU5006HNO-2x07R	15.24	17.86
16	TU5006HNO-2x08R	17.78	20.40
18	TU5006HNO-2x09R	20.32	22.94
20	TU5006HNO-2x10R	22.86	25.48
22	TU5006HNO-2x11R	25.40	28.02
24	TU5006HNO-2x12R	27.94	30.56
26	TU5006HNO-2x13R	30.48	33.10
28	TU5006HNO-2x14R	33.02	35.64
30	TU5006HNO-2x15R	35.56	38.18
32	TU5006HNO-2x16R	38.10	40.72

TU5006 SERIES

2.54mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical F-TYPE

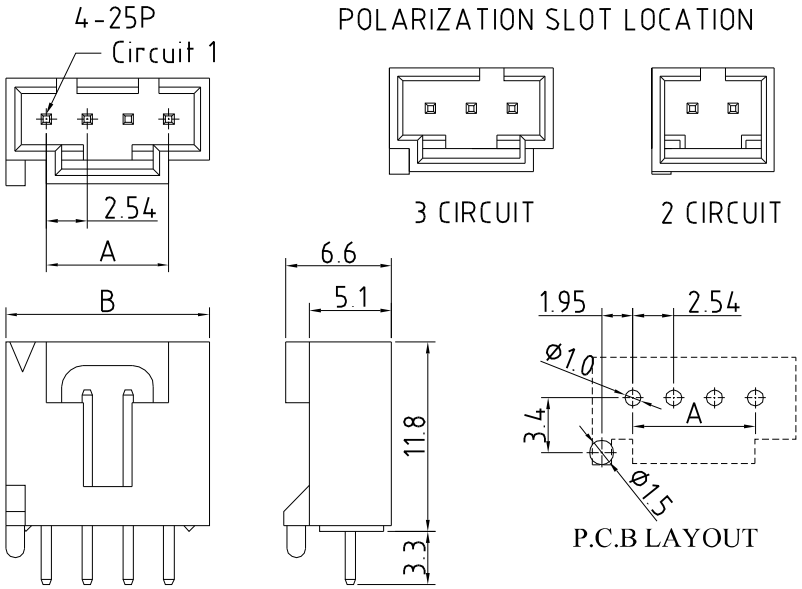
Features

Available Number of Circuits : 02 - 25

Material : High Temperature Thermoplastic UL94V-0

Contact: 0.64mm(.025") Copper Alloy, Tin-plated or Gold-flash

Mates with : TU5006 Series Housing



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5006WNV-1x02F-*-*	2.54	7.62
3	TU5006WNV-1x03F-*-*	5.08	10.16
4	TU5006WNV-1x04F-*-*	7.62	12.70
5	TU5006WNV-1x05F-*-*	10.16	15.24
6	TU5006WNV-1x06F-*-*	12.70	17.78
7	TU5006WNV-1x07F-*-*	15.24	20.32
8	TU5006WNV-1x08F-*-*	17.78	22.86
9	TU5006WNV-1x09F-*-*	20.32	25.40
10	TU5006WNV-1x10F-*-*	22.86	27.94
11	TU5006WNV-1x11F-*-*	25.40	30.48
12	TU5006WNV-1x12F-*-*	27.94	33.02
13	TU5006WNV-1x13F-*-*	30.48	35.56
14	TU5006WNV-1x14F-*-*	33.02	38.10
15	TU5006WNV-1x15F-*-*	35.56	40.64
16	TU5006WNV-1x16F-*-*	38.10	43.18
17	TU5006WNV-1x17F-*-*	40.64	45.72
18	TU5006WNV-1x18F-*-*	43.18	48.26
19	TU5006WNV-1x19F-*-*	45.72	50.80
20	TU5006WNV-1x20F-*-*	48.26	53.34
21	TU5006WNV-1x21F-*-*	50.80	55.88
22	TU5006WNV-1x22F-*-*	53.34	58.42
23	TU5006WNV-1x23F-*-*	55.88	60.96
24	TU5006WNV-1x24F-*-*	58.42	63.50
25	TU5006WNV-1x25F-*-*	60.96	66.04

Wafer Vertical

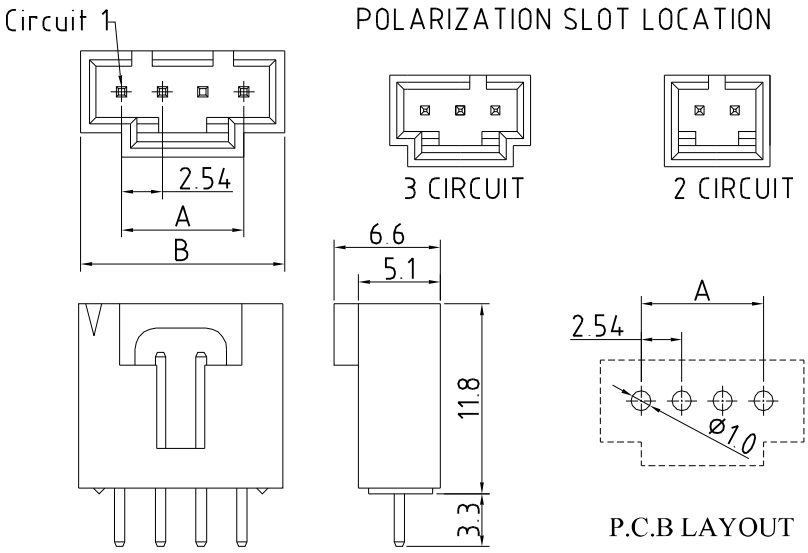
Features

Available Number of Circuits : 02 - 25

Material : High Temperature Thermoplastic UL94V-0

Contact: 0.64mm(.025") Copper Alloy, Tin-plated or Gold-flash

Mates with : TU5006 Series Housing



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5006WNV-1x02-*-*	2.54	7.62
3	TU5006WNV-1x03-*-*	5.08	10.16
4	TU5006WNV-1x04-*-*	7.62	12.70
5	TU5006WNV-1x05-*-*	10.16	15.24
6	TU5006WNV-1x06-*-*	12.70	17.78
7	TU5006WNV-1x07-*-*	15.24	20.32
8	TU5006WNV-1x08-*-*	17.78	22.86
9	TU5006WNV-1x09-*-*	20.32	25.40
10	TU5006WNV-1x10-*-*	22.86	27.94
11	TU5006WNV-1x11-*-*	25.40	30.48
12	TU5006WNV-1x12-*-*	27.94	33.02
13	TU5006WNV-1x13-*-*	30.48	35.56
14	TU5006WNV-1x14-*-*	33.02	38.10
15	TU5006WNV-1x15-*-*	35.56	40.64
16	TU5006WNV-1x16-*-*	38.10	43.18
17	TU5006WNV-1x17-*-*	40.64	45.72
18	TU5006WNV-1x18-*-*	43.18	48.26
19	TU5006WNV-1x19-*-*	45.72	50.80
20	TU5006WNV-1x20-*-*	48.26	53.34
21	TU5006WNV-1x21-*-*	50.80	55.88
22	TU5006WNV-1x22-*-*	53.34	58.42
23	TU5006WNV-1x23-*-*	55.88	60.96
24	TU5006WNV-1x24-*-*	58.42	63.50
25	TU5006WNV-1x25-*-*	60.96	66.04

TU5006 SERIES

2.54mm Pitch Wire To Board Connector

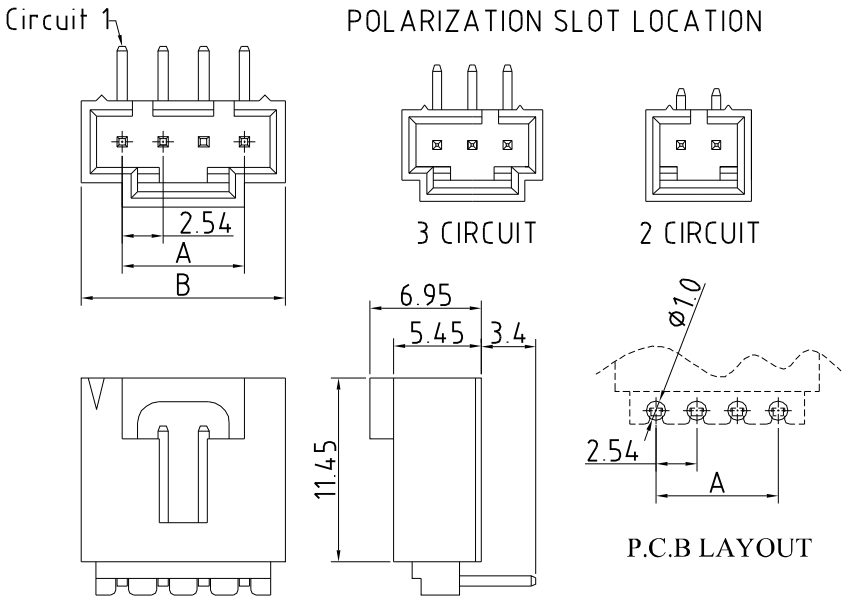
Unit : mm

Wafer

Right Angle

Features

Available Number of Circuits : 02 - 25
Material : High Temperature Thermoplastic UL94V-0
Contact : 0.64mm(.025") Copper Alloy, Tin-plated or Gold-flash
Mates with : TU5006 Series Housing

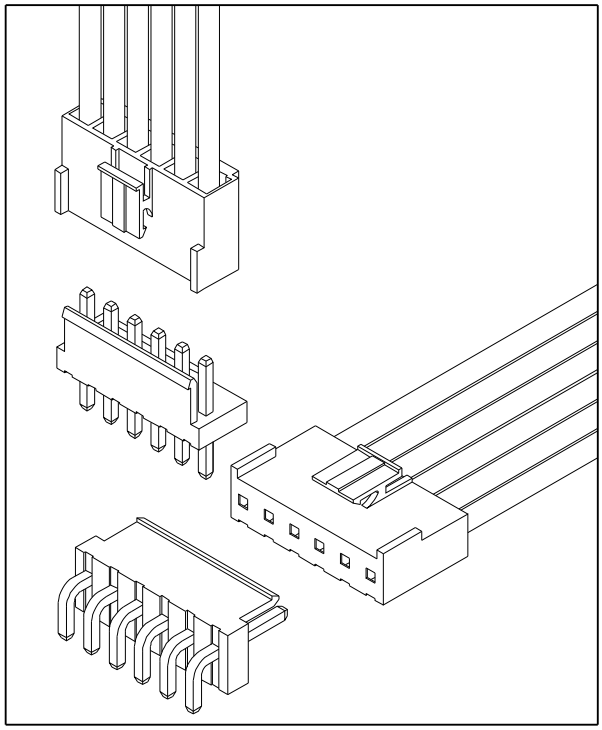


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5006WNR-1x02-*-*	2.54	7.62
3	TU5006WNR-1x03-*-*	5.08	10.16
4	TU5006WNR-1x04-*-*	7.62	12.70
5	TU5006WNR-1x05-*-*	10.16	15.24
6	TU5006WNR-1x06-*-*	12.70	17.78
7	TU5006WNR-1x07-*-*	15.24	20.32
8	TU5006WNR-1x08-*-*	17.78	22.86
9	TU5006WNR-1x09-*-*	20.32	25.40
10	TU5006WNR-1x10-*-*	22.86	27.94
11	TU5006WNR-1x11-*-*	25.40	30.48
12	TU5006WNR-1x12-*-*	27.94	33.02
13	TU5006WNR-1x13-*-*	30.48	35.56
14	TU5006WNR-1x14-*-*	33.02	38.10
15	TU5006WNR-1x15-*-*	35.56	40.64
16	TU5006WNR-1x16-*-*	38.10	43.18
17	TU5006WNR-1x17-*-*	40.64	45.72
18	TU5006WNR-1x18-*-*	43.18	48.26
19	TU5006WNR-1x19-*-*	45.72	50.80
20	TU5006WNR-1x20-*-*	48.26	53.34
21	TU5006WNR-1x21-*-*	50.80	55.88
22	TU5006WNR-1x22-*-*	53.34	58.42
23	TU5006WNR-1x23-*-*	55.88	60.96
24	TU5006WNR-1x24-*-*	58.42	63.50
25	TU5006WNR-1x25-*-*	60.96	66.04

TU6001 SERIES

3.96mm Pitch Wire To Board Connector

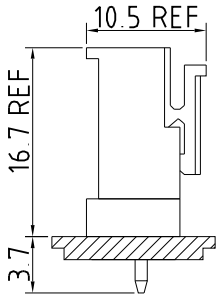


Specification

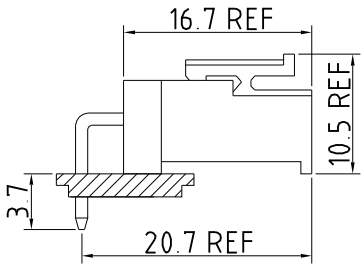
Circuits	02 - 12
Pitch	3.96mm
Current Rating	7A AC/DC(AWG#18)
	6A AC/DC(AWG#20)
	5.5A AC/DC(AWG#22)
Voltage Rating	250V AC/DC
Contact Resistance	10mΩ MAX.
Withstand Voltage	1,500V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #18 - #22
Applicable P.C.B Thickness	1.6mm
Applicable P.C.B Hole Dia.	Ø1.7mm ± 0.05

Assembly Layout

Vertical Type



Right Angle Type



TU6001 * - NP - *
① ② ③ ④

① Part No. TU6001	④ Contact Plating Code Blank : As Specified GO : Gold-flash over Ncikel (C) : Semi-gloss Tin (DIP)	
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU6001 SERIES

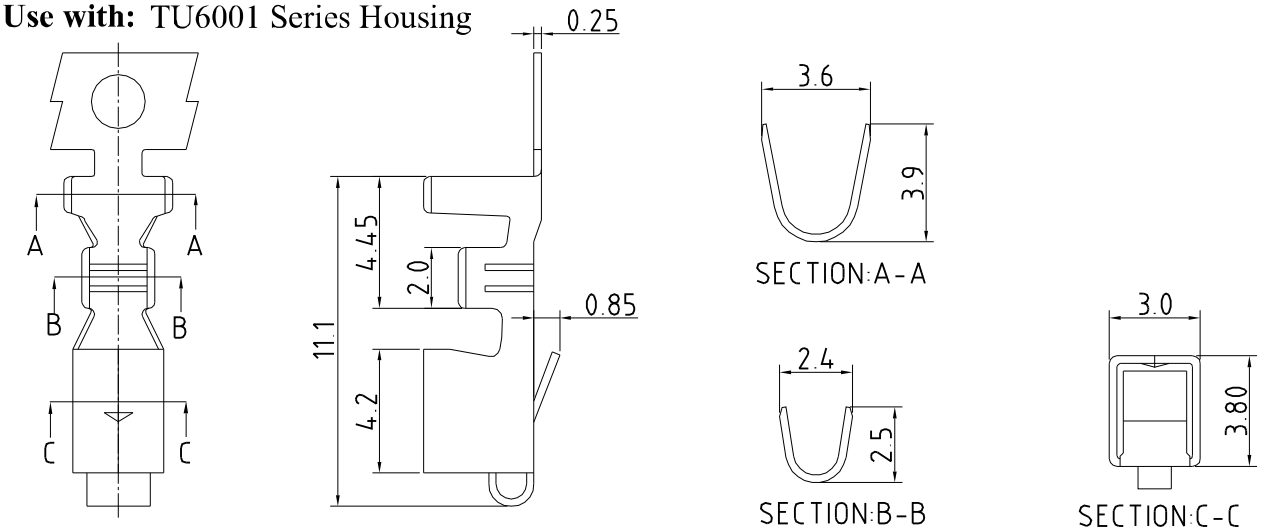
3.96mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU6001 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU6001TPO-*	AWG #18-#22	2.80mm(MAX.)	Phosphor bronze	See note	4,000 pcs
TU6001TBO-*	AWG #18-#22	2.80mm(MAX.)	Brass	See note	4,000 pcs

Note:

For this product in a different specification please contact TYU for more information

Housing

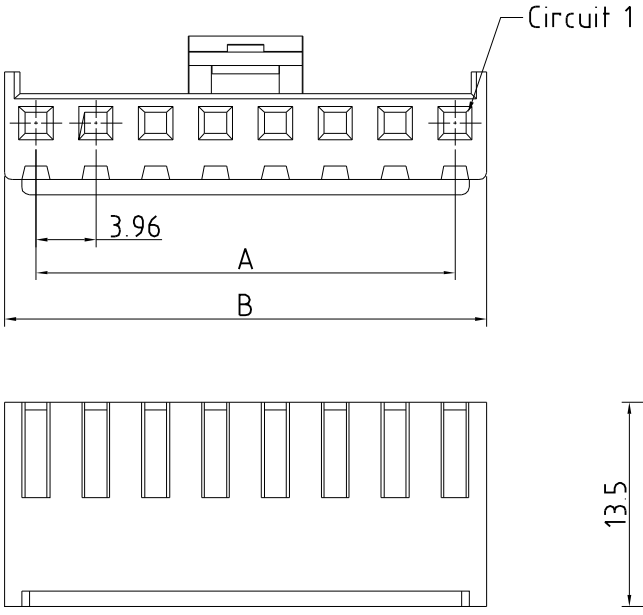
Features

Available Number of Circuits: 02 - 12

Material: Regular Thermoplastic 94V-0

Use with: TU6001 Crimp Terminal

Mates with : TU6001 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU6001HNO-02	3.96	8.12
3	TU6001HNO-03	7.92	12.08
4	TU6001HNO-04	11.88	16.04
5	TU6001HNO-05	15.84	20.00
6	TU6001HNO-06	19.80	23.96
7	TU6001HNO-07	23.76	27.92
8	TU6001HNO-08	27.72	31.88
9	TU6001HNO-09	31.68	35.84
10	TU6001HNO-10	35.64	39.80
11	TU6001HNO-11	39.60	43.76
12	TU6001HNO-12	43.56	47.72

TU6001 SERIES

3.96mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical

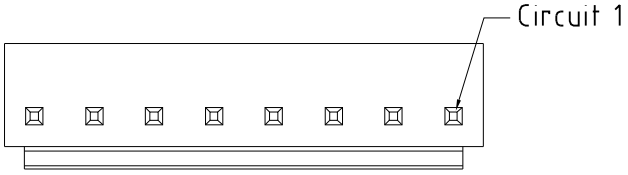
Features

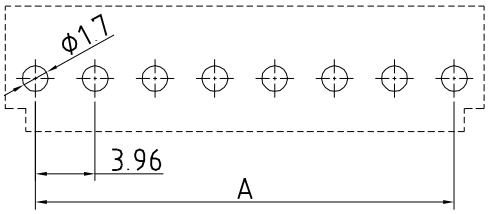
Available Number of Circuits : 02 - 12

Material : Regular Thermoplastic 94V-0

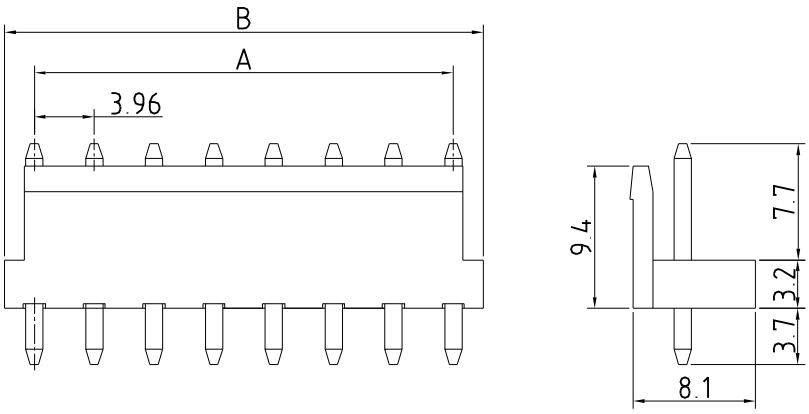
Contact: 1.14mm(.045") Copper Alloy, Tin-plated

Mates with : TU6001 Series Housing





P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU6001WNV-02-*-*	3.96	7.92
3	TU6001WNV-03-*-*	7.92	11.88
4	TU6001WNV-04-*-*	11.88	15.84
5	TU6001WNV-05-*-*	15.84	19.80
6	TU6001WNV-06-*-*	19.80	23.76
7	TU6001WNV-07-*-*	23.76	27.72
8	TU6001WNV-08-*-*	27.72	31.68
9	TU6001WNV-09-*-*	31.68	35.64
10	TU6001WNV-10-*-*	35.64	39.60
11	TU6001WNV-11-*-*	39.60	43.56
12	TU6001WNV-12-*-*	43.56	47.52

Wafer Right Angle

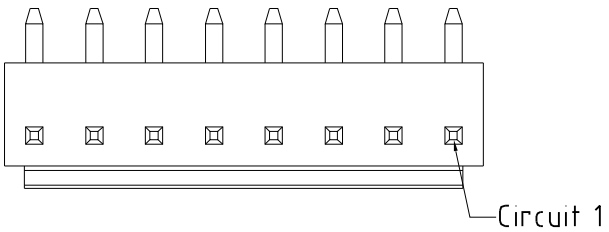
Features

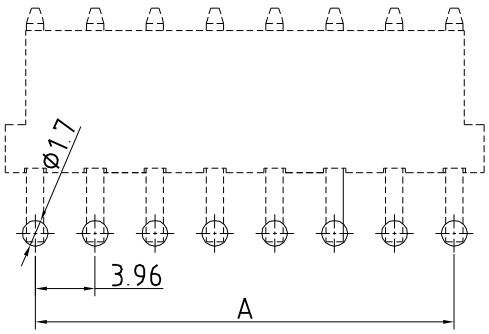
Available Number of Circuits : 02 - 12

Material : Regular Thermoplastic 94V-0

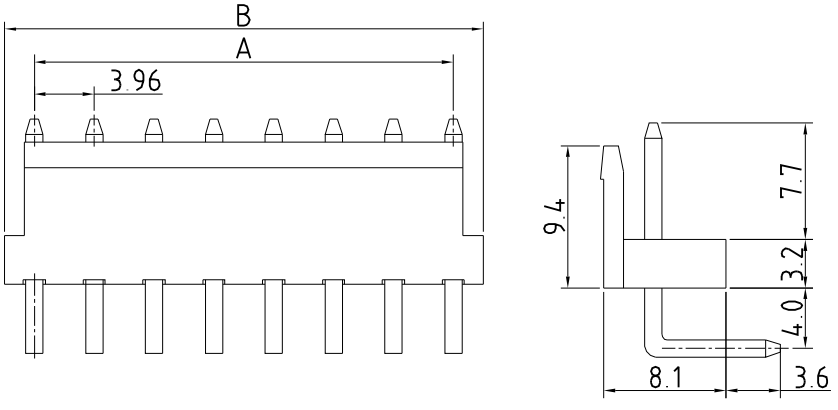
Contact: 1.14mm(.045") Copper Alloy, Tin-plated

Mates with : TU6001 Series Housing





P.C.B LAYOUT

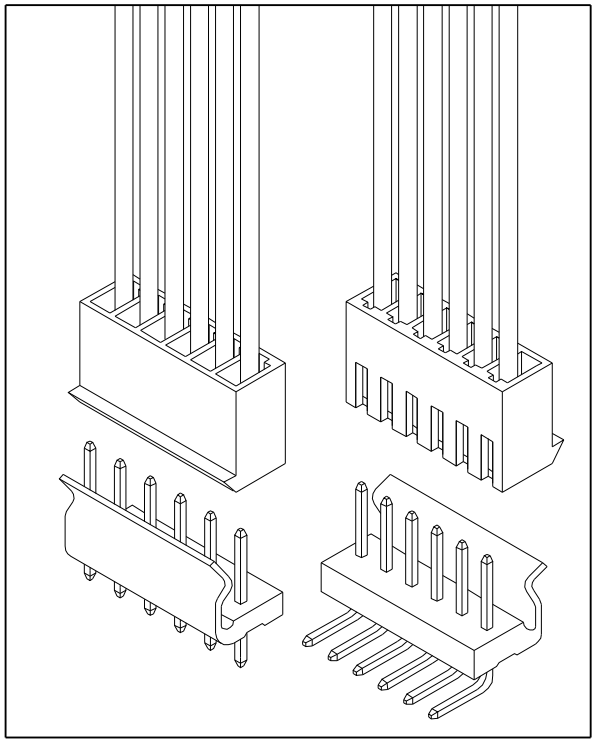


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU6001WNR-02-*-*	3.96	7.92
3	TU6001WNR-03-*-*	7.92	11.88
4	TU6001WNR-04-*-*	11.88	15.84
5	TU6001WNR-05-*-*	15.84	19.80
6	TU6001WNR-06-*-*	19.80	23.76
7	TU6001WNR-07-*-*	23.76	27.72
8	TU6001WNR-08-*-*	27.72	31.68
9	TU6001WNR-09-*-*	31.68	35.64
10	TU6001WNR-10-*-*	35.64	39.60
11	TU6001WNR-11-*-*	39.60	43.56
12	TU6001WNR-12-*-*	43.56	47.52

TU6002 SERIES

3.96mm Pitch Wire To Board Connector



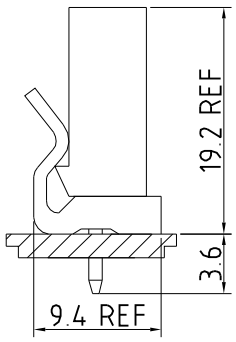
Specification

Circuits	02 - 16
Pitch	3.96mm
Current Rating	5A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	10mΩ MAX.
Withstand Voltage	1,500V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-40°C - +85°C
Applicable Wire Range	AWG #18 - #22
Applicable P.C.B Thickness	1.6mm
Applicable P.C.B Hole Dia.	Ø1.8mm ± 0.05

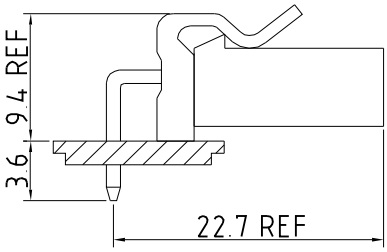
TU6002

Assembly Layout

Vertical Type



Right Angle Type



TU6002 * - NP * - * - *
① ② ③ ④ ⑤ ⑥

① Part No. TU6002	④ Mount Type C : C Type Wafer And Housing	⑥ Material Code Blank : As Specified M7 : Nylon 9T UL 94V-0
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer	⑤ Contact Plating Code Blank : As Specified GO : Gold-flash over Nickel G*: Gold *u" Over Nickel (C): Semi-gloss Tin (DIP)	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU6002 SERIES

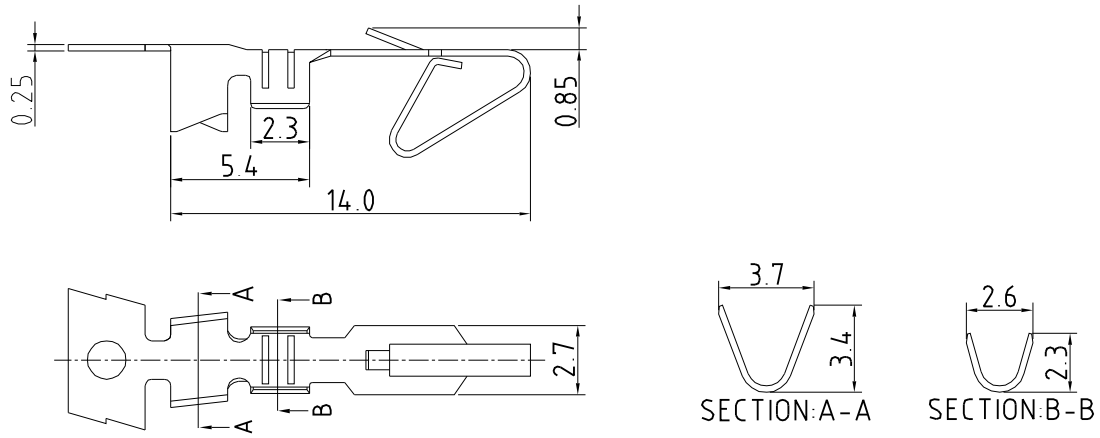
3.96mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU6002,TU6003,TU6004,TU6005 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU6002TBM-*	AWG #18-#22	2.80mm(MAX.)	Brass	See note	6,000 pcs
TU6002TPM-*			Phosphor bronze		

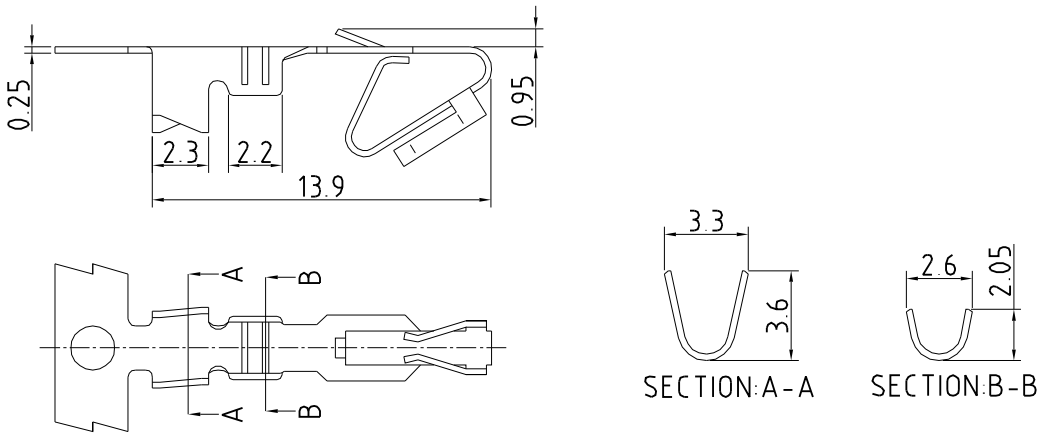
Note:

For this product in a different specification please contact TYU for more information

Terminal

Features

Use with: TU6002,TU6003,TU6004,TU6005 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU6002TB3-*	AWG #18-#22	2.80mm(MAX.)	Brass	See note	7,000 pcs
TU6002TP3-*			Phosphor bronze		

Note:

For this product in a different specification please contact TYU for more information

TU6002 SERIES

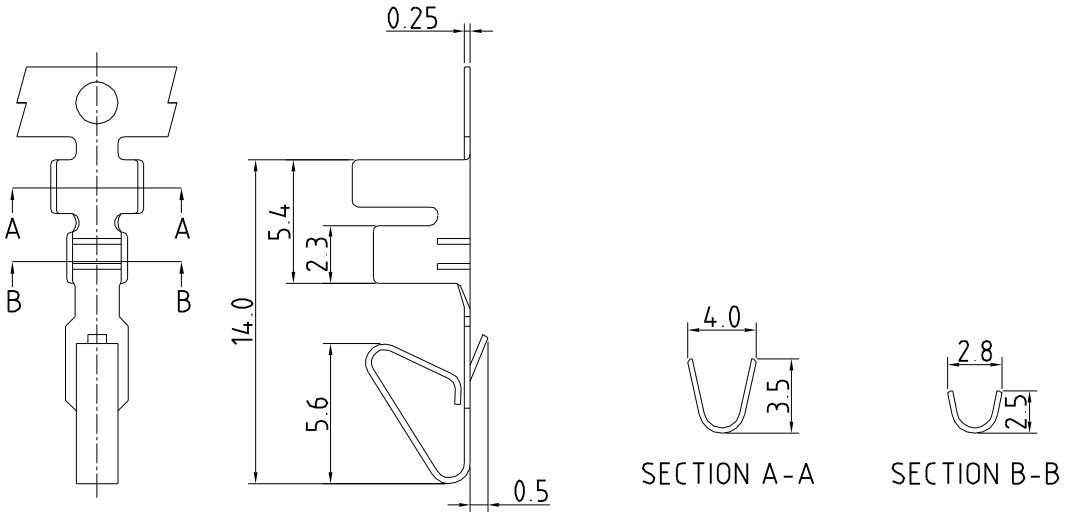
3.96mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU6002,TU6003,TU6004,TU6005 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU6002TBH-*	AWG #18-#22	2.80mm(MAX.)	Brass	See note	6,000 pcs

Note:

For this product in a different specification please contact TYU for more information

Housing C TYPE

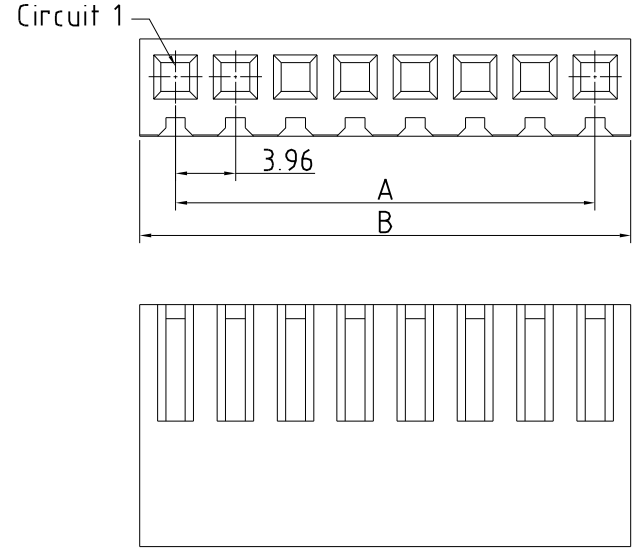
Features

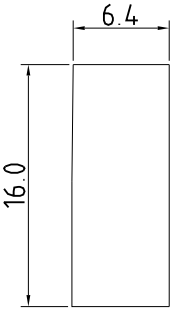
Available Number of Circuits: 02 - 16

Material: Regular Thermoplastic 94V-2

Use with: TU6002 Crimp Terminal

Mates with : TU6002 Series Wafer





Dimension and Order Information

Circuits	Part No.	DIM.(mm) A	DIM.(mm) B
2	TU6002HNO-02C	3.96	8.70
3	TU6002HNO-03C	7.92	12.66
4	TU6002HNO-04C	11.88	12.62
5	TU6002HNO-05C	15.84	20.58
6	TU6002HNO-06C	19.80	24.54
7	TU6002HNO-07C	23.76	28.50
8	TU6002HNO-08C	27.72	32.46
9	TU6002HNO-09C	31.68	36.42
10	TU6002HNO-10C	35.64	40.38
11	TU6002HNO-11C	39.60	44.34
12	TU6002HNO-12C	43.56	48.30
13	TU6002HNO-13C	47.52	52.26
14	TU6002HNO-14C	51.48	56.22
15	TU6002HNO-15C	55.44	60.18
16	TU6002HNO-16C	59.40	64.14

TU6002 SERIES

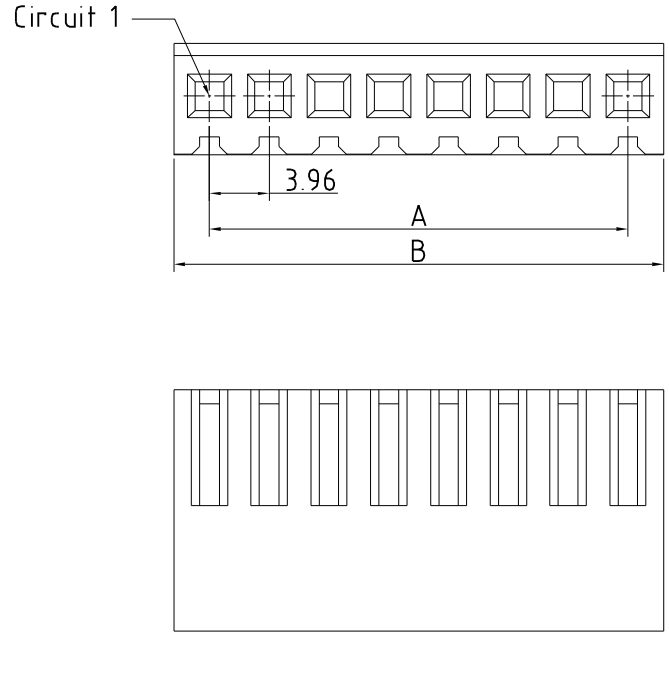
3.96mm Pitch Wire To Board Connector

Unit : mm

Housing

Features

Available Number of Circuits: 02 - 16
Material: Regular Thermoplastic 94V-2
Use with: TU6002 Crimp Terminal
Mates with : TU6002 Series Wafer



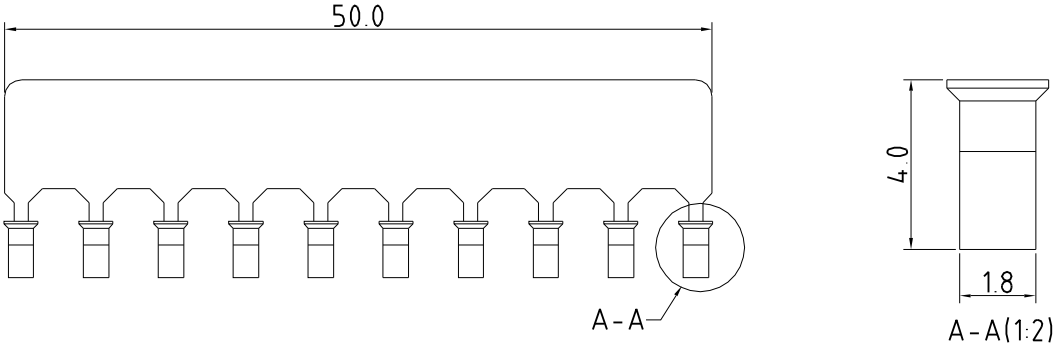
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU6002HNO-02	3.96	8.70
3	TU6002HNO-03	7.92	12.66
4	TU6002HNO-04	11.88	12.62
5	TU6002HNO-05	15.84	20.58
6	TU6002HNO-06	19.80	24.54
7	TU6002HNO-07	23.76	28.50
8	TU6002HNO-08	27.72	32.46
9	TU6002HNO-09	31.68	36.42
10	TU6002HNO-10	35.64	40.38
11	TU6002HNO-11	39.60	44.34
12	TU6002HNO-12	43.56	48.30
13	TU6002HNO-13	47.52	52.26
14	TU6002HNO-14	51.48	56.22
15	TU6002HNO-15	55.44	60.18
16	TU6002HNO-16	59.40	64.14

Polarizing

Features

Material: Regular Thermoplastic 94V-2
Use with: TU6002,TU6004,TU6005 Series Housing
Part No. : TU6002KBO



TU6002 SERIES

3.96mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical

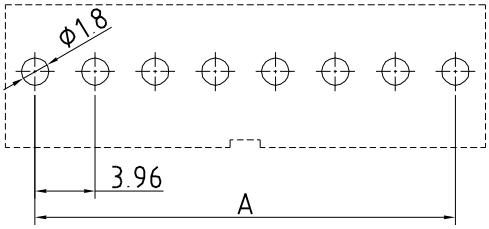
Features

Available Number of Circuits : 02 - 16

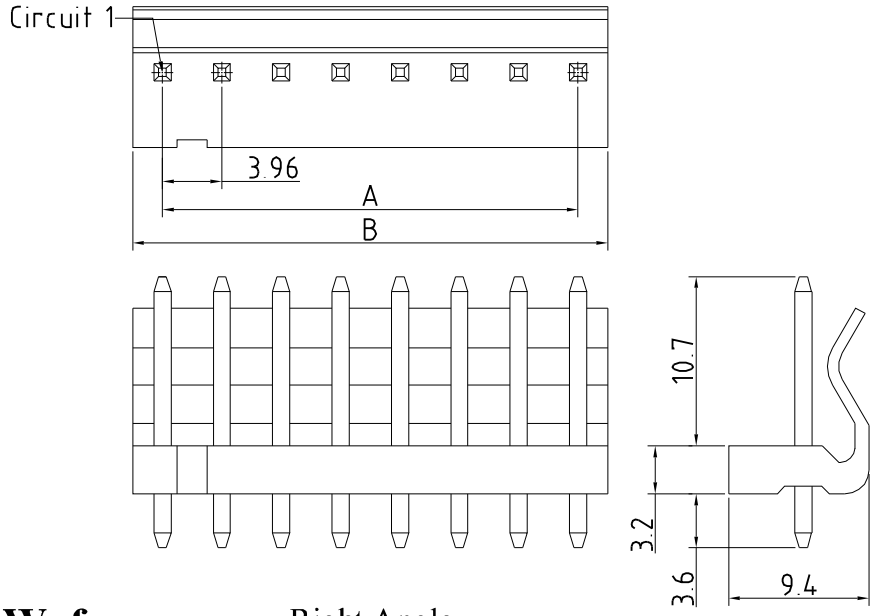
Material : Regular Thermoplastic 94V-2

Contact: 1.14mm(.045") Copper Alloy, Tin-plated

Mates with : TU6002 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU6002WNV-02	3.96	7.92
3	TU6002WNV-03	7.92	11.88
4	TU6002WNV-04	11.88	15.84
5	TU6002WNV-05	15.84	19.80
6	TU6002WNV-06	19.80	23.76
7	TU6002WNV-07	23.76	27.72
8	TU6002WNV-08	27.72	31.68
9	TU6002WNV-09	31.68	35.64
10	TU6002WNV-10	35.64	39.60
11	TU6002WNV-11	39.60	43.56
12	TU6002WNV-12	43.56	47.52
13	TU6002WNV-13	47.52	51.48
14	TU6002WNV-14	51.48	55.44
15	TU6002WNV-15	55.44	59.40
16	TU6002WNV-16	59.40	63.36

Wafer Right Angle

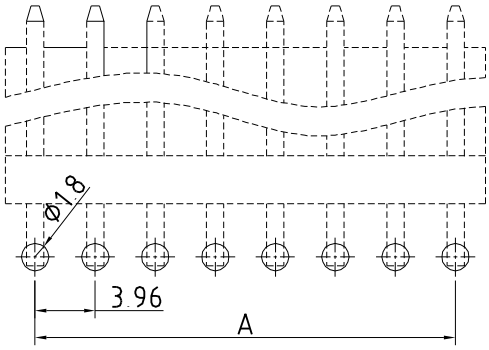
Features

Available Number of Circuits : 02 - 16

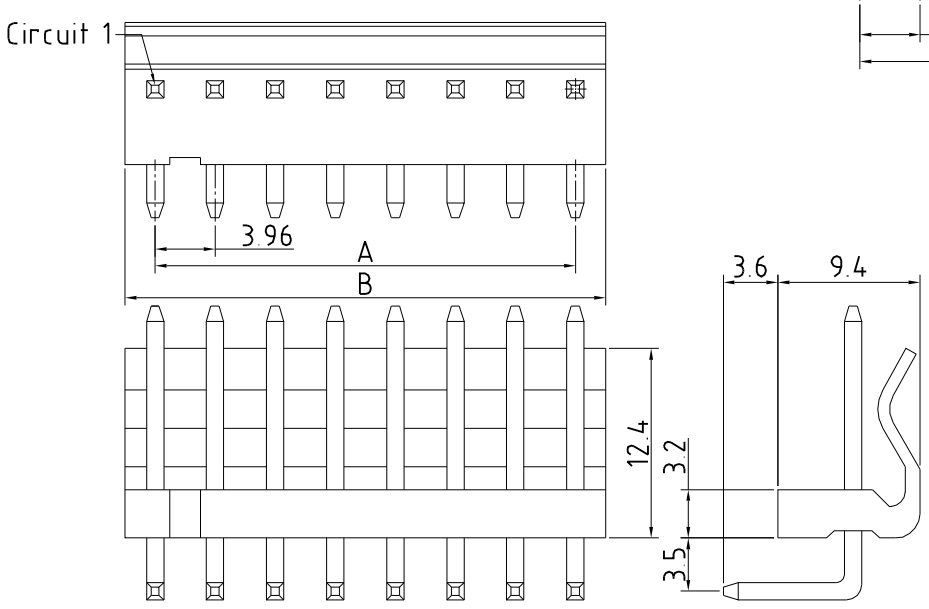
Material : Regular Thermoplastic 94V-2

Contact: 1.14mm(.045") Copper Alloy, Tin-plated

Mates with : TU6002 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU6002WNR-02	3.96	7.92
3	TU6002WNR-03	7.92	11.88
4	TU6002WNR-04	11.88	15.84
5	TU6002WNR-05	15.84	19.80
6	TU6002WNR-06	19.80	23.76
7	TU6002WNR-07	23.76	27.72
8	TU6002WNR-08	27.72	31.68
9	TU6002WNR-09	31.68	35.64
10	TU6002WNR-10	35.64	39.60
11	TU6002WNR-11	39.60	43.56
12	TU6002WNR-12	43.56	47.52
13	TU6002WNR-13	47.52	51.48
14	TU6002WNR-14	51.48	55.44
15	TU6002WNR-15	55.44	59.40
16	TU6002WNR-16	59.40	63.36

TU6002 SERIES

3.96mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical C-TYPE

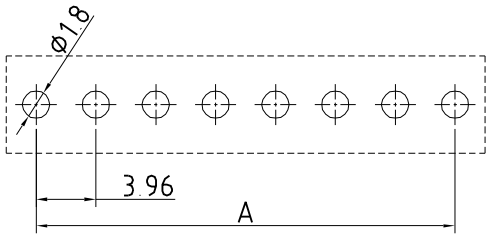
Features

Available Number of Circuits : 02 - 16

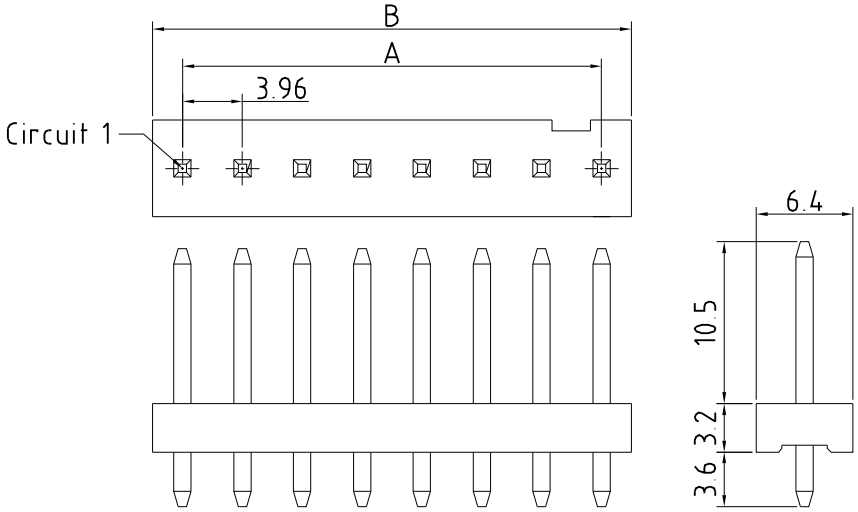
Material : Regular Thermoplastic 94V-2

Contact: 1.14mm(.045") Copper Alloy, Tin-plated

Mates with : TU6002 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU6002WNV-02C	3.96	7.92
3	TU6002WNV-03C	7.92	11.88
4	TU6002WNV-04C	11.88	15.84
5	TU6002WNV-05C	15.84	19.80
6	TU6002WNV-06C	19.80	23.76
7	TU6002WNV-07C	23.76	27.72
8	TU6002WNV-08C	27.72	31.68
9	TU6002WNV-09C	31.68	35.64
10	TU6002WNV-10C	35.64	39.60
11	TU6002WNV-11C	39.60	43.56
12	TU6002WNV-12C	43.56	47.52
13	TU6002WNV-13C	47.52	51.48
14	TU6002WNV-14C	51.48	55.44
15	TU6002WNV-15C	55.44	59.40
16	TU6002WNV-16C	59.40	63.36

Wafer Right Angle C-TYPE

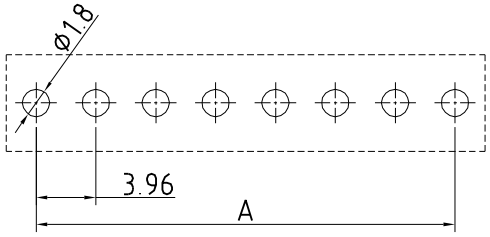
Features

Available Number of Circuits : 02 - 16

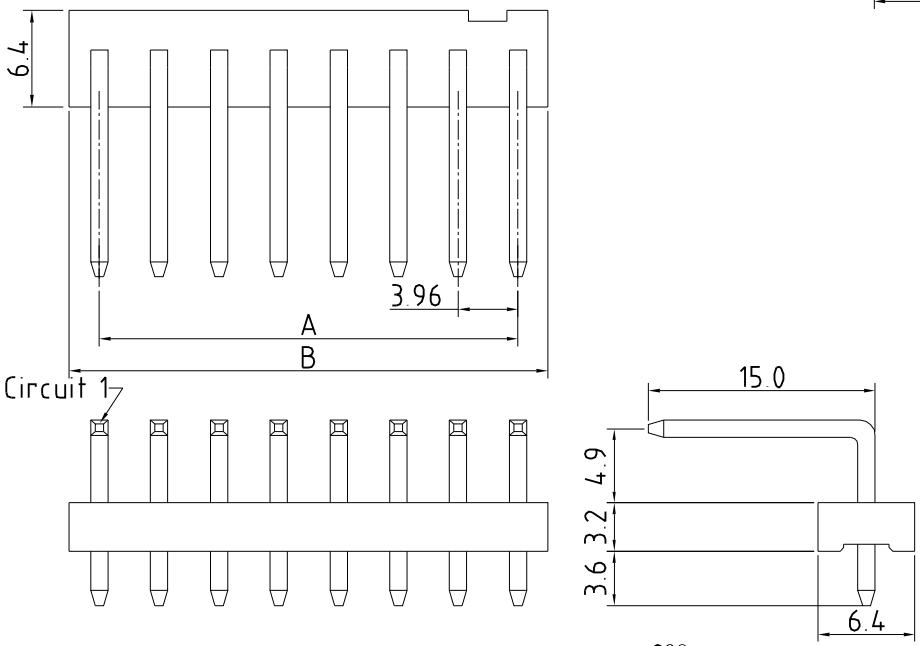
Material : Regular Thermoplastic 94V-2

Contact: 1.14mm(.045") Copper Alloy, Tin-plated

Mates with : TU6002 Series Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU6002WNR-02C	3.96	7.92
3	TU6002WNR-03C	7.92	11.88
4	TU6002WNR-04C	11.88	15.84
5	TU6002WNR-05C	15.84	19.80
6	TU6002WNR-06C	19.80	23.76
7	TU6002WNR-07C	23.76	27.72
8	TU6002WNR-08C	27.72	31.68
9	TU6002WNR-09C	31.68	35.64
10	TU6002WNR-10C	35.64	39.60
11	TU6002WNR-11C	39.60	43.56
12	TU6002WNR-12C	43.56	47.52
13	TU6002WNR-13C	47.52	51.48
14	TU6002WNR-14C	51.48	55.44
15	TU6002WNR-15C	55.44	59.40
16	TU6002WNR-16C	59.40	63.36

TU6002 SERIES

3.96mm Pitch Wire To Board Connector

Unit : mm

Wafer

Right Angle

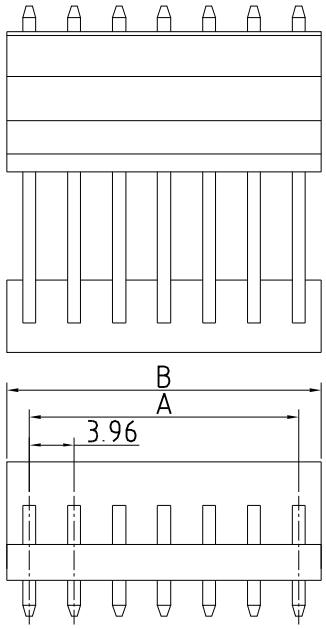
Features

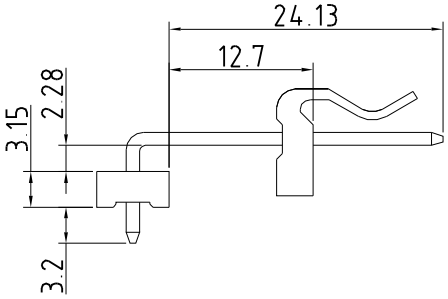
Available Number of Circuits : 02 - 16

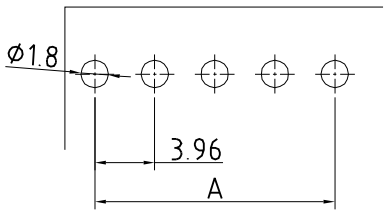
Material : Regular Thermoplastic 94V-2

Contact: 1.14mm(.045") Copper Alloy, Tin-plated

Mates with : TU6002 Series Housing







P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU6002WNR-02-D2	3.96	7.92
3	TU6002WNR-03-D2	7.92	11.88
4	TU6002WNR-04-D2	11.88	15.84
5	TU6002WNR-05-D2	15.84	19.80
6	TU6002WNR-06-D2	19.80	23.76
7	TU6002WNR-07-D2	23.76	27.72
8	TU6002WNR-08-D2	27.72	31.68
9	TU6002WNR-09-D2	31.68	35.64
10	TU6002WNR-10-D2	35.64	39.60
11	TU6002WNR-11-D2	39.60	43.56
12	TU6002WNR-12-D2	43.56	47.52
13	TU6002WNR-13-D2	47.52	51.48
14	TU6002WNR-14-D2	51.48	55.44
15	TU6002WNR-15-D2	55.44	59.40
16	TU6002WNR-16-D2	59.40	63.36

TF6012 SERIES

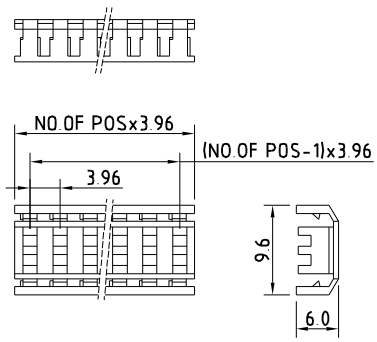
3.96mm Pitch Insulation Displacement Connector

Unit : mm

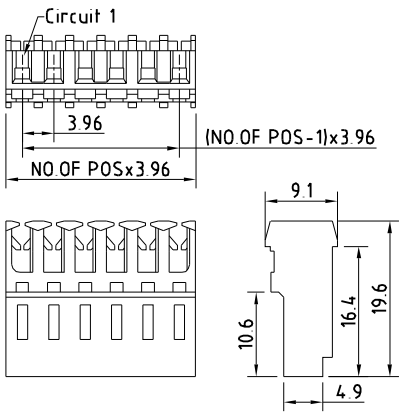
3.96mm IDC

Specification :

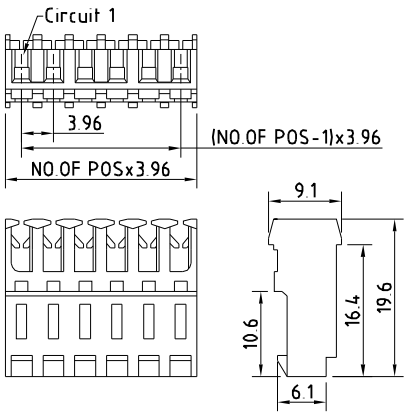
Pitch Between Circuits : 3.96mm
Current Rating : 5A AC/DC
Voltage Rating : 250V AC/DC
Contact Resistance : 20mΩ MAX.
Withstanding Voltage : 1500V AC/minute
Insulation Resistance : 1,000MΩ MIN.
Temperature Range : -40°C TO +105°C
Application : Mate with TU6002 Series Wafer
Features :
Insulator : Regular Thermoplastic 94V-2
Contact : Copper Alloy, Tin-plated or Gold-flash



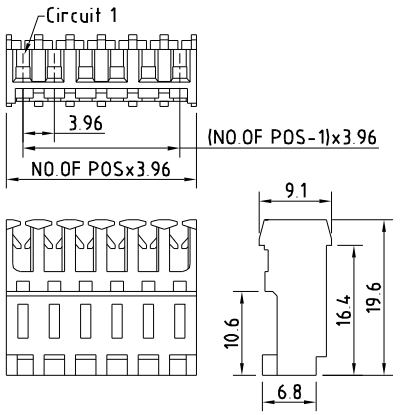
TF6012CNO-NP



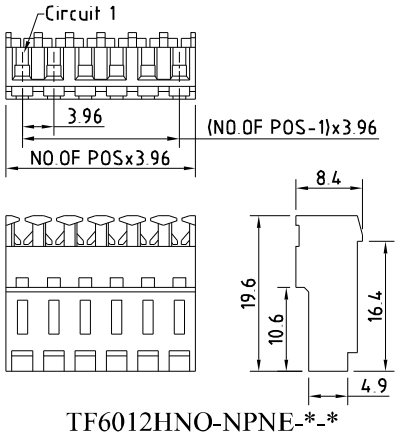
TF6012HNO-NPNT-*-*



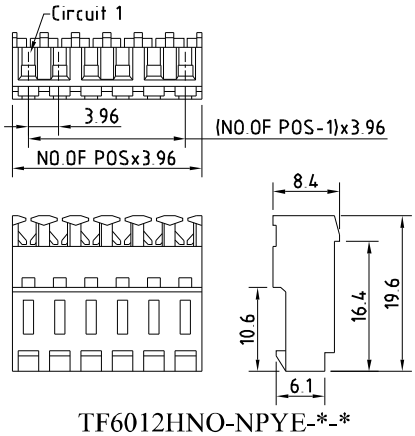
TF6012HNO-NPYT-*-*



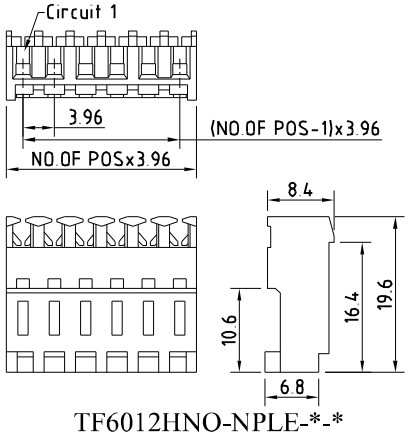
TF6012HNO-NPLT-*-*



TF6012HNO-NPNE-*-*



TF6012HNO-NPYE-*-*

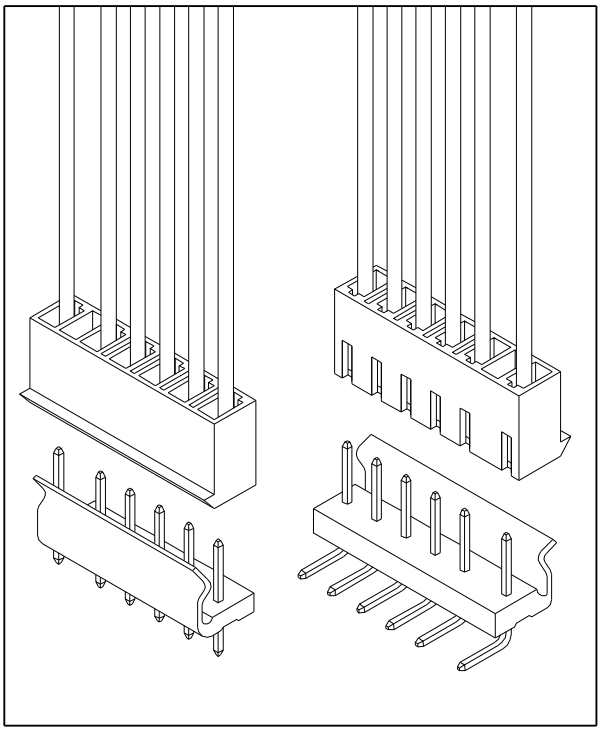


TF6012HNO-NPLE-*-*

Part No.	Circuits	Contact Type	Feature	Wire Range	Finish	Material
TF6012HNO -	06	Y	T	- 2	A	- V0
	2 - 25	Y:With Locking Ramp N:Without Locking Ramp L:With Locking Ramp and Polarizing	T:Through E:End	2:#22 4:#24 6:#26 8:#18 0:#20	AE: Pressing before Tin-plated	V0: UL 94V-0 V2: UL 94V-2

TU6004 SERIES

7.50/5.00mm Pitch Wire To Board Connector



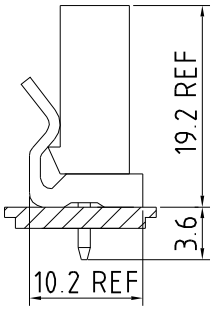
Specification

Circuits	02 - 06
Pitch	7.50/5.00mm
Current Rating	7A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	10mΩ MAX.
Withstand Voltage	1,500V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #18 - #22
Applicable P.C.B Thickness	1.6mm
Applicable P.C.B Hole Dia.	Ø1.8mm ± 0.05

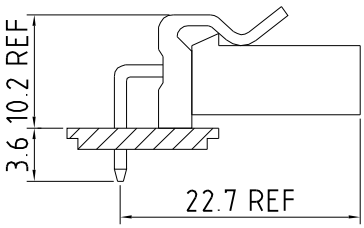
TU6004

Assembly Layout

Vertical Type



Right Angle Type



TU6004 * - NP * - *
① ② ③ ④ ⑤

① Part No. TU6004	④ Mount Type C : C Type Wafer	
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer	⑤ Contact Plating Code Blank : As Specified	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU6004 SERIES

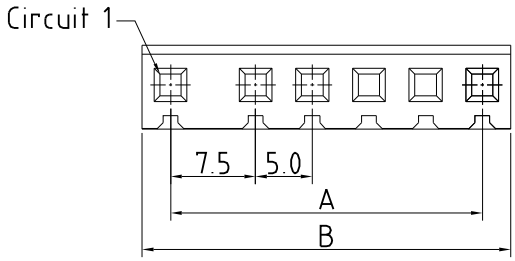
7.50/5.00mm Pitch Wire To Board Connector

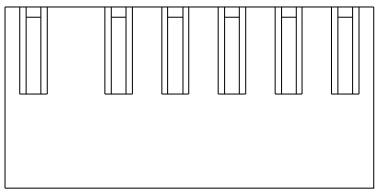
Unit : mm

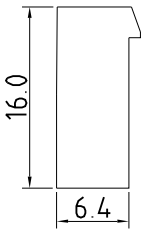
Housing

Features

Available Number of Circuits : 02 - 06
Material : Regular Thermoplastic 94V-2
Use with : TU6002 Crimp Terminal
Mates with : TU6004 Series Wafer







Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU6004HNO-02	7.50	12.50
3	TU6004HNO-03	12.50	17.50
4	TU6004HNO-04	17.50	22.50
5	TU6004HNO-05	22.50	27.50
6	TU6004HNO-06	27.50	32.50

TU6004 SERIES

7.50/5.00mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical

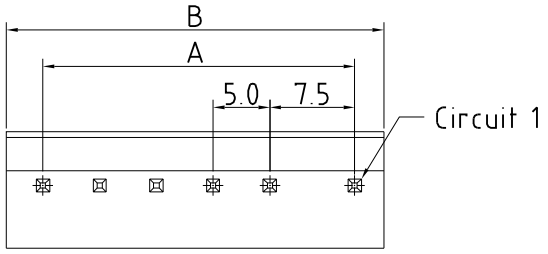
Features

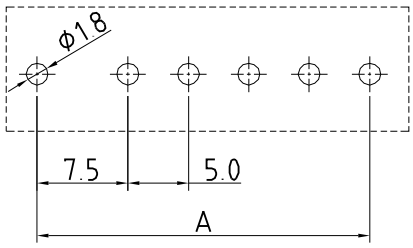
Available Number of Circuits : 02 - 06

Material : Regular Thermoplastic 94V-2

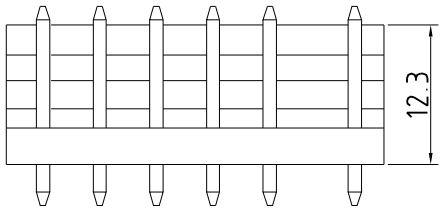
Contact : 1.14mm(.045") Copper Alloy, Tin-plated

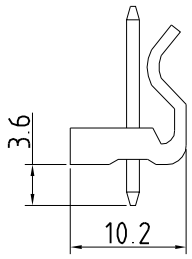
Mates with : TU6004 Series Housing





P.C.B LAYOUT





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU6004WNV-02	7.50	12.50
3	TU6004WNV-03	12.50	17.50
4	TU6004WNV-04	17.50	22.50
5	TU6004WNV-05	22.50	27.50
6	TU6004WNV-06	27.50	32.50

Wafer Right Angle

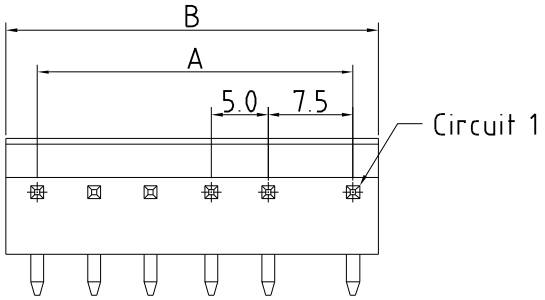
Features

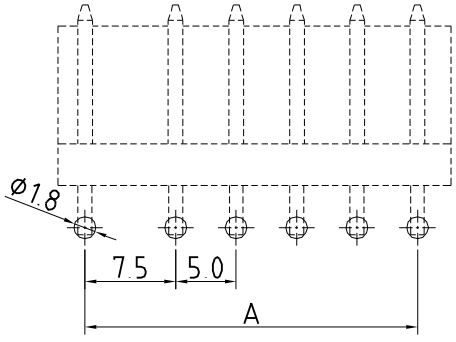
Available Number of Circuits : 02 - 06

Material : Regular Thermoplastic 94V-2

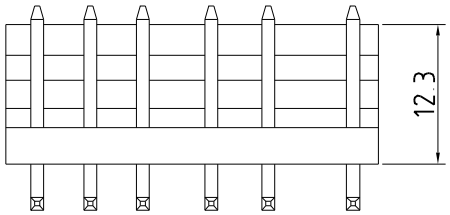
Contact : 1.14mm(.045") Copper Alloy, Tin-plated

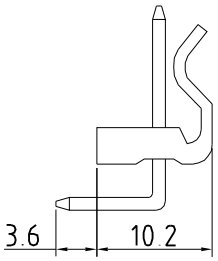
Mates with : TU6004 Series Housing





P.C.B LAYOUT





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU6004WNR-02	7.50	12.50
3	TU6004WNR-03	12.50	17.50
4	TU6004WNR-04	17.50	22.50
5	TU6004WNR-05	22.50	27.50
6	TU6004WNR-06	27.50	32.50

TU6004 SERIES

7.50/5.00mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical C TYPE

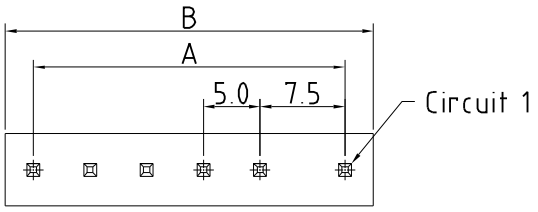
Features

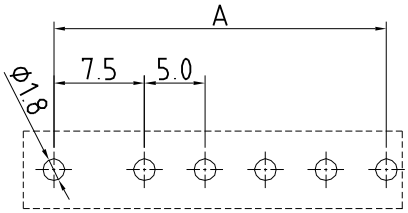
Available Number of Circuits : 02 - 06

Material : Regular Thermoplastic 94V-2

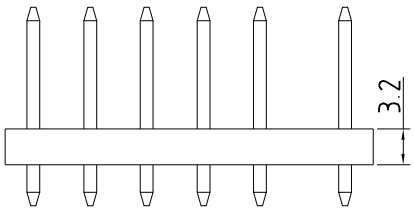
Contact: 1.14mm(.045") Copper Alloy, Tin-plated

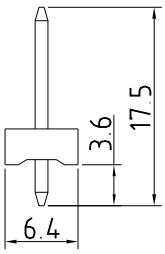
Mates with : TU6004 Series Housing





P.C.B LAYOUT





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU6004WNV-02C	7.50	12.50
3	TU6004WNV-03C	12.50	17.50
4	TU6004WNV-04C	17.50	22.50
5	TU6004WNV-05C	22.50	27.50
6	TU6004WNV-06C	27.50	32.50

Wafer Right Angle C TYPE

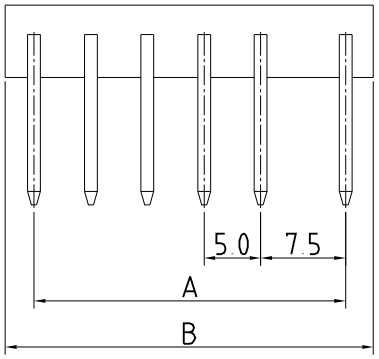
Features

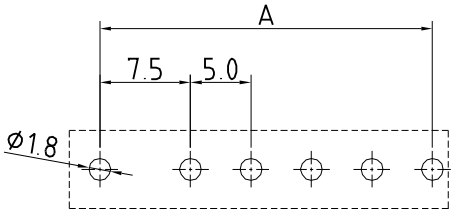
Available Number of Circuits : 02 - 06

Material : Regular Thermoplastic 94V-2

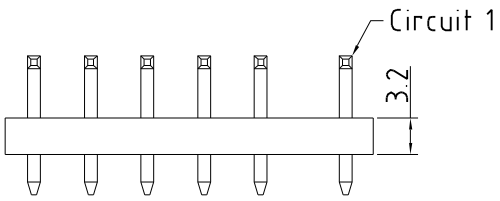
Contact: 1.14mm(.045") Copper Alloy, Tin-plated

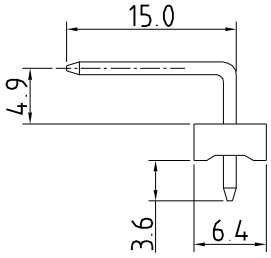
Mates with : TU6004 Series Housing





P.C.B LAYOUT



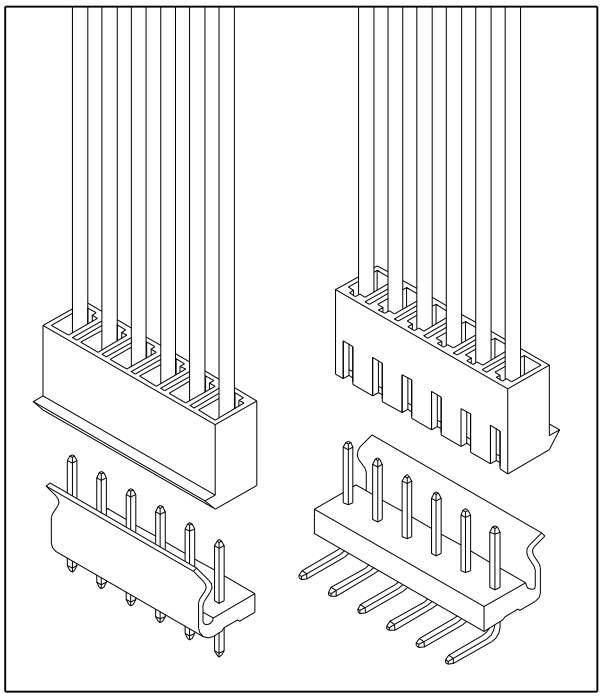


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU6004WNR-02C	7.50	12.50
3	TU6004WNR-03C	12.50	17.50
4	TU6004WNR-04C	17.50	22.50
5	TU6004WNR-05C	22.50	27.50
6	TU6004WNR-06C	27.50	32.50

TU6005 SERIES

5.08mm Pitch Wire To Board Connector



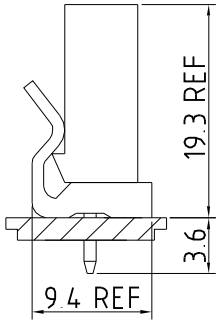
Specification

Circuits	02 - 12
Pitch	5.08mm
Current Rating	7A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	10mΩ MAX.
Withstand Voltage	1,500V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #18 - #22
Applicable P.C.B Thickness	1.6mm
Applicable P.C.B Hole Dia.	Ø1.8mm ± 0.05

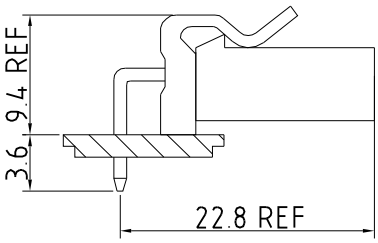
TU6005

Assembly Layout

Vertical Type



Right Angle Type



TU6005 * - NP * - *
① ② ③ ④ ⑤

① Part No. TU6005	④ Mount Type C : C Type Wafer	
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer	⑤ Contact Plating Code Blank : As Specified	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TU6005 SERIES

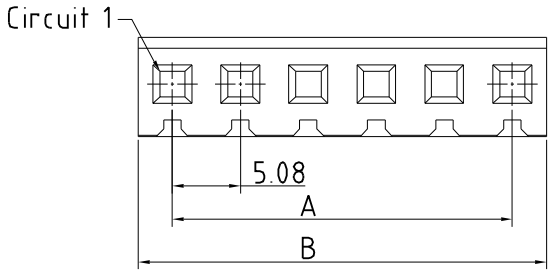
5.08mm Pitch Wire To Board Connector

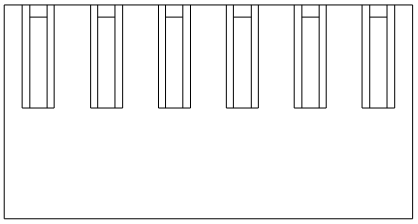
Unit : mm

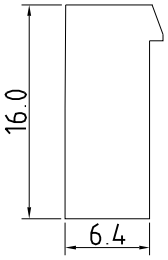
Housing

Features

Available Number of Circuits: 02 - 12
Material: Regular Thermoplastic 94V-2
Use with: TU6002 Crimp Terminal
Mates with : TU6005 Series Wafer







Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU6005HNO-02	5.08	10.16
3	TU6005HNO-03	10.16	15.24
4	TU6005HNO-04	15.24	20.32
5	TU6005HNO-05	20.32	25.40
6	TU6005HNO-06	25.40	30.48
7	TU6005HNO-07	30.48	35.56
8	TU6005HNO-08	35.56	40.64
9	TU6005HNO-09	40.64	45.72
10	TU6005HNO-10	45.72	50.80
11	TU6005HNO-11	50.80	55.88
12	TU6005HNO-12	50.88	60.96

TU6005 SERIES

5.08mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical

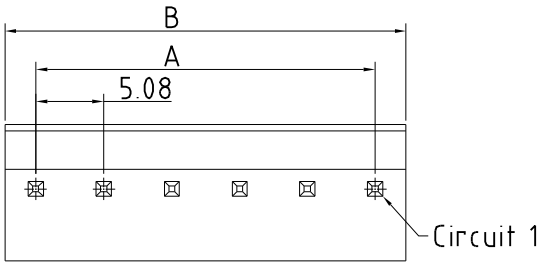
Features

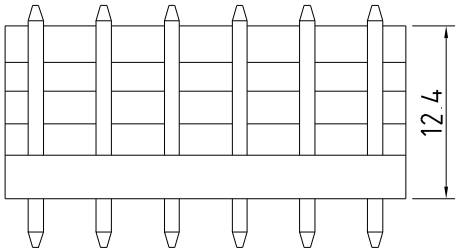
Available Number of Circuits : 02 - 12

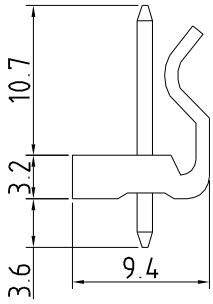
Material : Regular Thermoplastic 94V-2

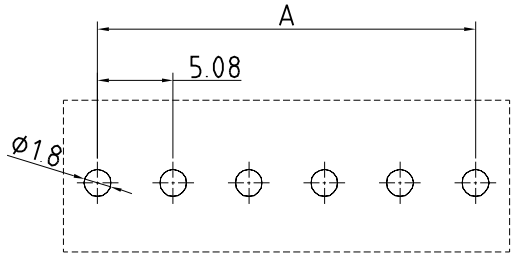
Contact: 1.14mm(.045") Copper Alloy, Tin-plated

Mates with : TU6005 Series Housing









P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU6005WNV-02	5.08	10.16
3	TU6005WNV-03	10.16	15.24
4	TU6005WNV-04	15.24	20.32
5	TU6005WNV-05	20.32	25.40
6	TU6005WNV-06	25.40	30.48
7	TU6005WNV-07	30.48	35.56
8	TU6005WNV-08	35.56	40.64
9	TU6005WNV-09	40.64	45.72
10	TU6005WNV-10	45.72	50.80
11	TU6005WNV-11	50.80	55.88
12	TU6005WNV-12	55.88	60.96

Wafer Right Angle

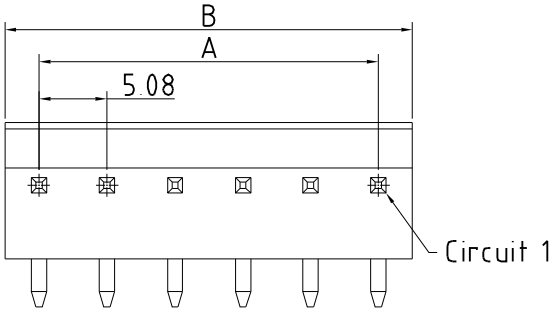
Features

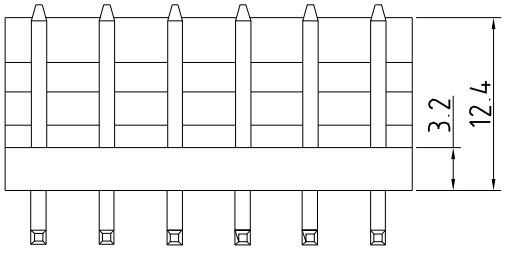
Available Number of Circuits : 02 - 12

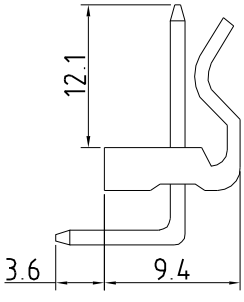
Material : Regular Thermoplastic 94V-2

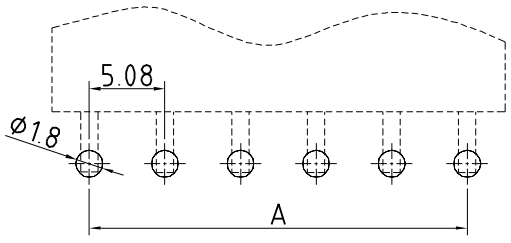
Contact: 1.14mm(.045") Copper Alloy, Tin-plated

Mates with : TU6005 Series Housing









P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU6005WNR-02	5.08	10.16
3	TU6005WNR-03	10.16	15.24
4	TU6005WNR-04	15.24	20.32
5	TU6005WNR-05	20.32	25.40
6	TU6005WNR-06	25.40	30.48
7	TU6005WNR-07	30.48	35.56
8	TU6005WNR-08	35.56	40.64
9	TU6005WNR-09	40.64	45.72
10	TU6005WNR-10	45.72	50.80
11	TU6005WNR-11	50.80	55.88
12	TU6005WNR-12	55.88	63.96

TU6005 SERIES

5.08mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical C TYPE

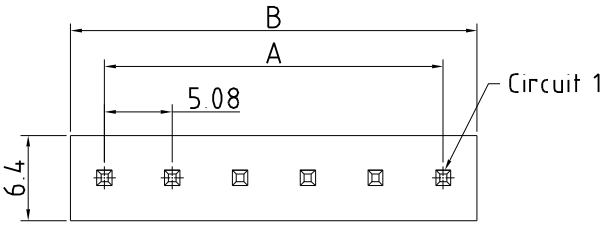
Features

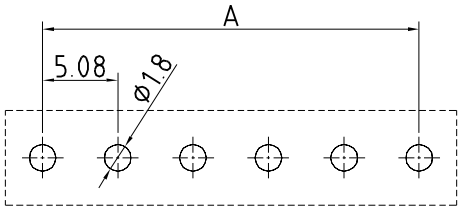
Available Number of Circuits : 02 - 12

Material : Regular Thermoplastic 94V-2

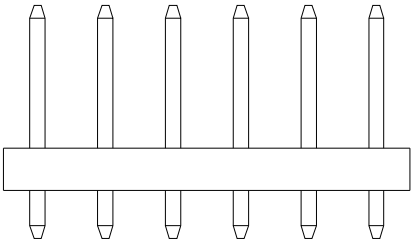
Contact: 1.14mm(.045") Copper Alloy, Tin-plated

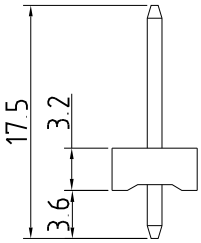
Mates with : TU6005 Series Housing





P.C.B LAYOUT





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU6005WNV-02C	5.08	10.16
3	TU6005WNV-03C	10.16	15.24
4	TU6005WNV-04C	15.24	20.32
5	TU6005WNV-05C	20.32	25.40
6	TU6005WNV-06C	25.40	30.48
7	TU6005WNV-07C	30.48	35.56
8	TU6005WNV-08C	35.56	40.64
9	TU6005WNV-09C	40.64	45.72
10	TU6005WNV-10C	45.72	50.80
11	TU6005WNV-11C	50.80	55.88
12	TU6005WNV-12C	55.80	60.96

Wafer Right Angle C TYPE

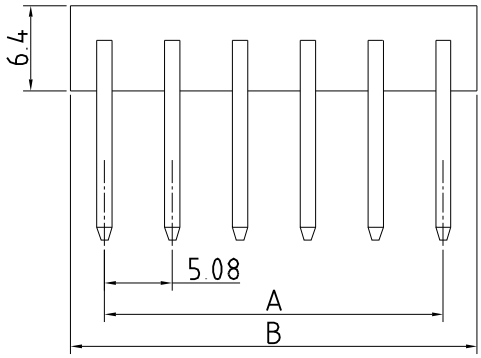
Features

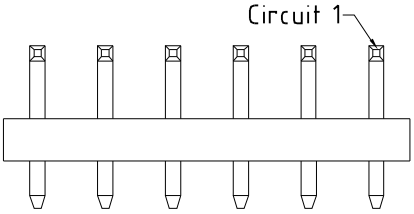
Available Number of Circuits : 02 - 12

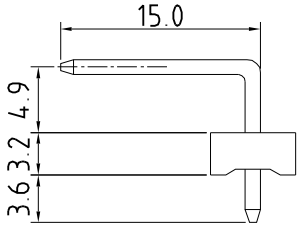
Material : Regular Thermoplastic 94V-2

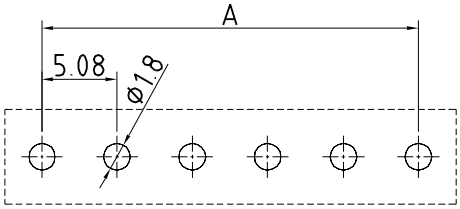
Contact: 1.14mm(.045") Copper Alloy, Tin-plated

Mates with : TU6005 Series Housing









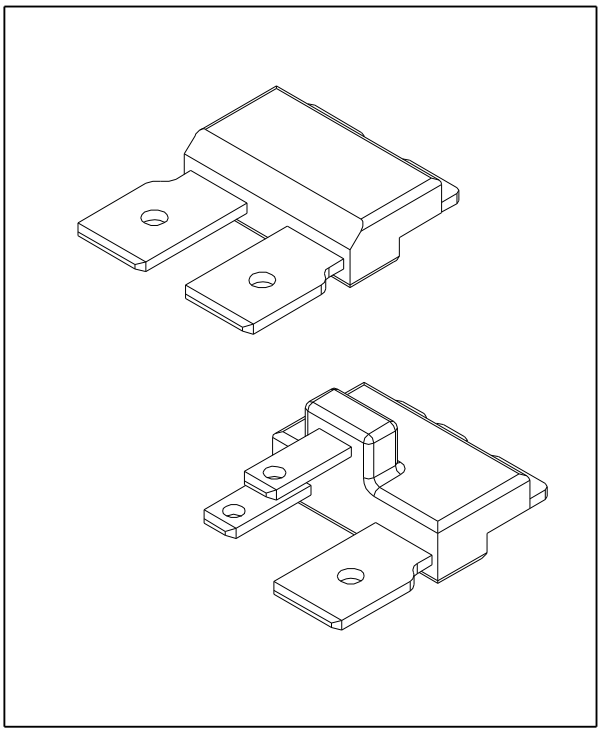
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU6005WNR-02C	5.08	10.16
3	TU6005WNR-03C	10.16	15.24
4	TU6005WNR-04C	15.24	20.32
5	TU6005WNR-05C	20.32	25.40
6	TU6005WNR-06C	25.40	30.48
7	TU6005WNR-07C	30.48	35.56
8	TU6005WNR-08C	35.56	40.64
9	TU6005WNR-09C	40.64	45.72
10	TU6005WNR-10C	45.72	50.80
11	TU6005WNR-11C	50.80	55.88
12	TU6005WNR-12C	55.88	60.96

TA8051/2 SERIES

6.95/3.80/10.10mm Pitch Wire To Board Connector



Specification

Circuits	02,03
Pitch	6.95/3.80/10.10mm
Current Rating	32A AC/DC (AWG#10)
Voltage Rating	600 V AC/DC
Withstand Voltage	1800V AC/minute
Insulation Resistance	1000MΩ MIN.
Temperature Range	-25°C - +105°C

Assembly Layout

TA8051

TA8051 * - 02 * - * ① ② ③ ④ ⑤		TA8052 * - 03 * - * ① ② ③ ④ ⑤
① Part No. TA8051/2	④ Mount Type S : SMT-Type Wafer	
② Connection Type: WNR : Right Angle Wafer		
③ Number of Contacts: 02 : Circuits 03 : Circuits	⑤ Finish (VOID): Matte-tin GO : Gold flash over Nickel G* : *u" Gold Plated over Nickel	

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TA8051/2 SERIES

6.95/3.80/10.10mm Pitch Wire To Board

Unit : mm

Wafer

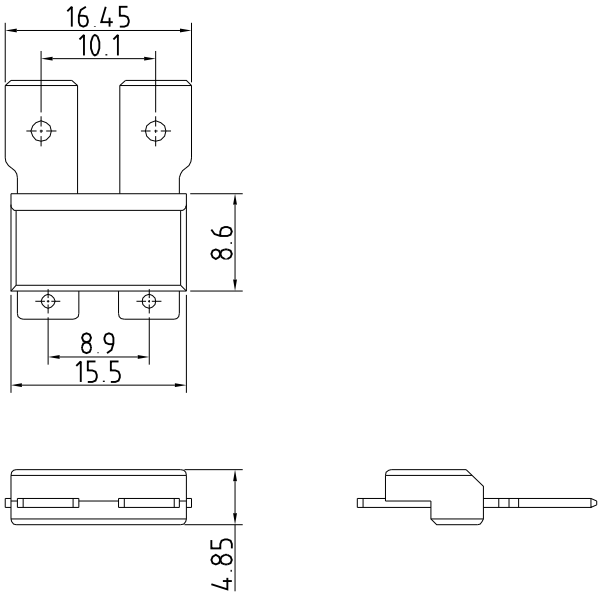
Right Angle Type

Features

Available Number of Circuits : 02

Material : High Temperature Thermoplastic 94V-0

Contact : 0.8mm(.032") Copper Alloy, Tin plated



TA8051WNR-02S

Wafer

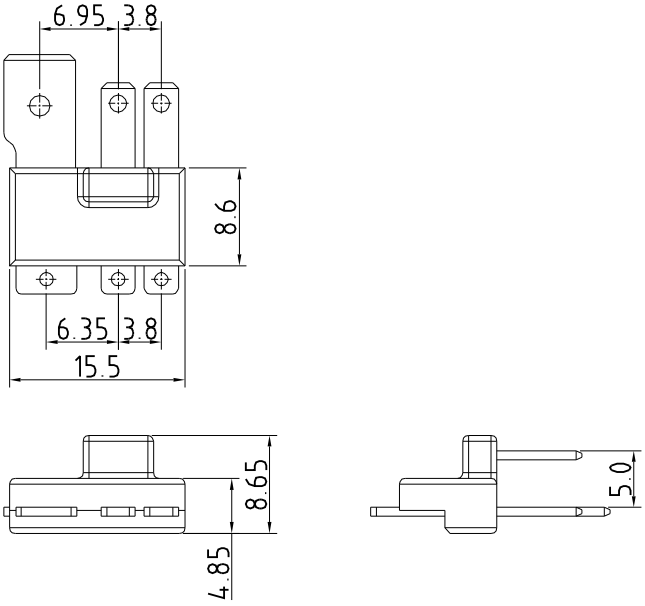
Right Angle Type

Features

Available Number of Circuits : 03

Material : High Temperature Thermoplastic 94V-0

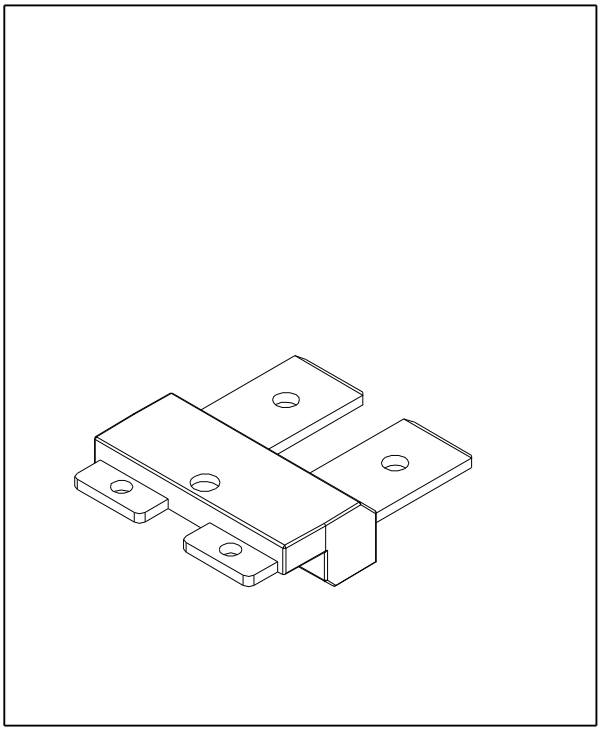
Contact : 0.8mm(.032") Copper Alloy, Tin plated



TA8052WNR-03S

TA8056 SERIES

10.20mm Pitch Wire To Board Connector



Specification

Circuits	02
Pitch	10.20mm
Current Rating	33A AC/DC (AWG#10) 26A AC/DC (AWG#12) 23A AC/DC (AWG#14)
Voltage Rating	600 V AC/DC
Withstand Voltage	1800V AC/minute
Insulation Resistance	1000MΩ MIN.
Temperature Range	-40°C - +105°C

Assembly Layout

TA8056

TA8056 * -NP * 0 -* 0 * (① ② ③ ④ ⑤ ⑥)		
① Part No. TA8056	④ Mount Type 5 : SMT-Type Wafer	⑥ Product Color 0: Black 1: White 2: Red 3: Green 4: Blue
② Connection Type: WNR : Right Angle Wafer	⑤ Contact Plating Code 0: Gold-flash over Nickel A: Matte-Tin over Nickel	
③ Number of Contacts: 02 : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TA8056 SERIES

10.20mm Pitch Wire To Board Connector

Unit : mm

Wafer

Right Angle Type

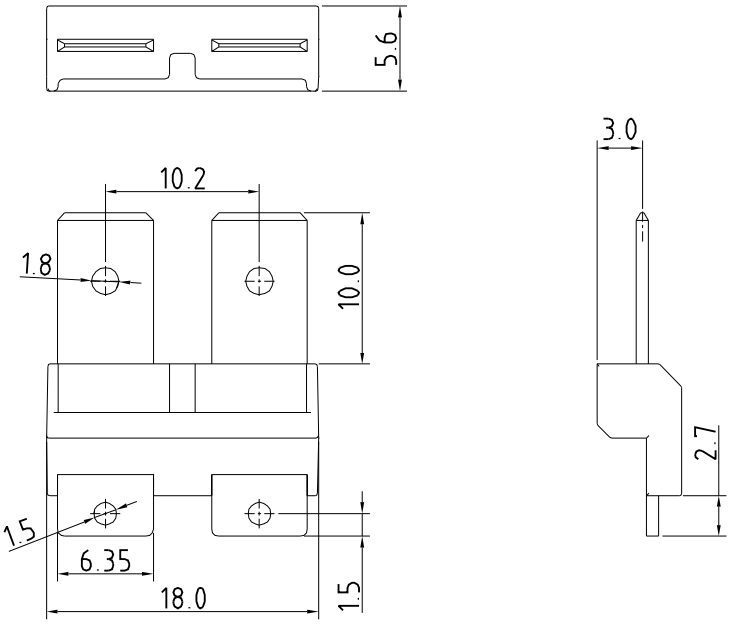
Features

Available Number of Circuits : 02

Material : High Temperature Thermoplastic 94V-0

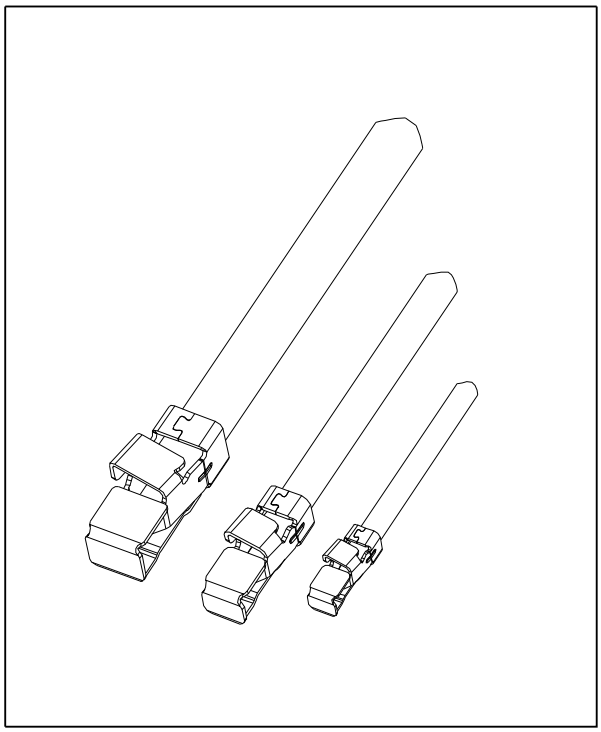
Contact : 0.8mm(.032") Copper Alloy, Tin plated

TA8056WNR-0250-*0*



TL2080 SERIES

Wire To Board Poke-in Connector



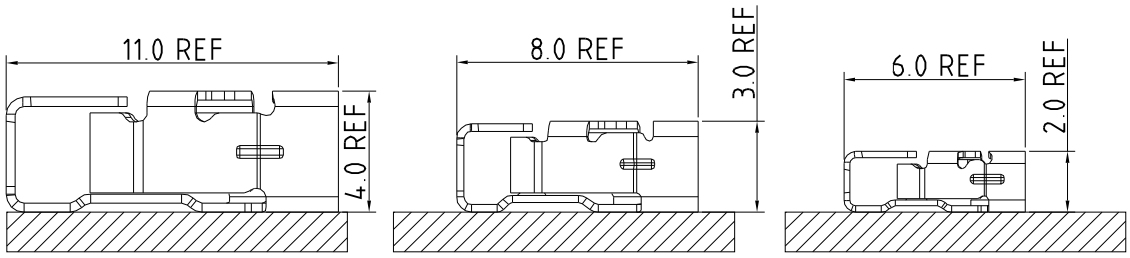
Specification

Current Rating	20A AC/DC (AWG#12)
	16A AC/DC (AWG#14)
	14A AC/DC (AWG#16)
	12A AC/DC (AWG#18)
	10A AC/DC (AWG#20)
	8.0A AC/DC (AWG#22)
	7.0A AC/DC (AWG#24)
	4.2A AC/DC (AWG#26)
	4A AC/DC (AWG#28)
Voltage Rating	300V AC/DC
Contact Resistance	20mΩ MAX.
Temperature Range	-40°C - +125°C
Applicable Wire Range	AWG #12 - 28

Assembly Layout

Right Angle SMT Type

TL2080PPSR-AC-40-A TL2080PPSR-AC-30-A TL2080PPSR-AC-20-A



TL2080 * - * - * - *
① ② ③ ④ ⑤

① Part No. TL2080	④ Mount Type 20 : Height= 2.0mm 30 : Height= 3.0mm 40 : Height= 4.0mm	
② Connection Type: PPSR : Right Angle SMT-Type	⑤ Package Type A : Tape Reel	
③ Contact Plating Code AC : Matte-Tin		

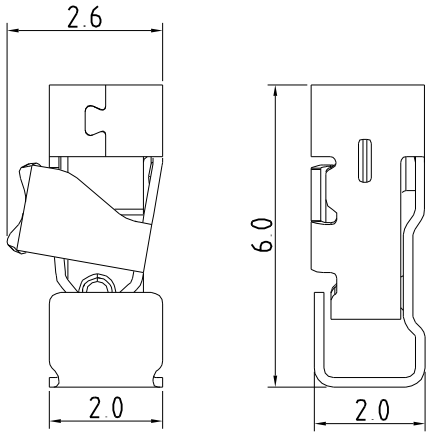
Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

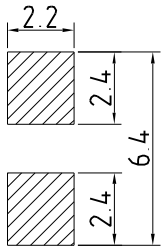
TL2080 SERIES

Wire To Board Poke-in Connector

Unit : mm

Terminal





P.C.B LAYOUT

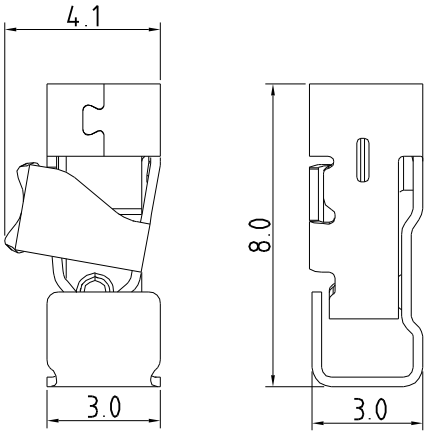
CONTACT INFORMATION

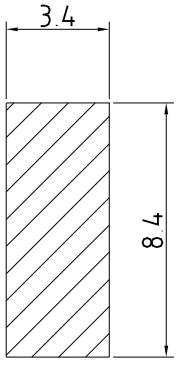
Part No.	Wire Range	Insulation O.D.	Material	Finish
TL2080PPSR-AC-20-A	AWG#24-#28	1.50mm(MAX.)	Phosphor bronze	See note

Note:

For this product in a different specification please contact TYU for more information

Terminal





P.C.B LAYOUT

CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish
TL2080PPSR-AC-30-A	AWG#18-#26	2.30mm(MAX.)	Phosphor bronze	See note

Note:

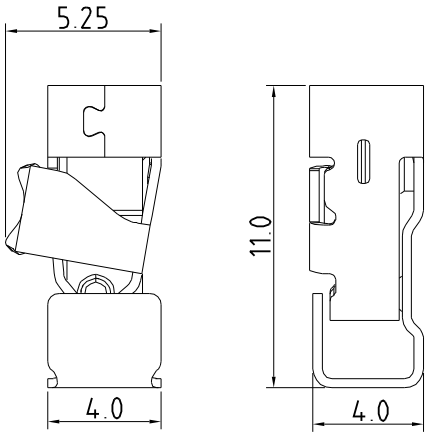
For this product in a different specification please contact TYU for more information

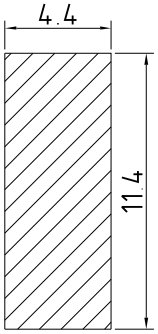
TL2080 SERIES

Wire To Board Poke-in Connector

Terminal

Unit : mm





P.C.B LAYOUT

CONTACT INFORMATION

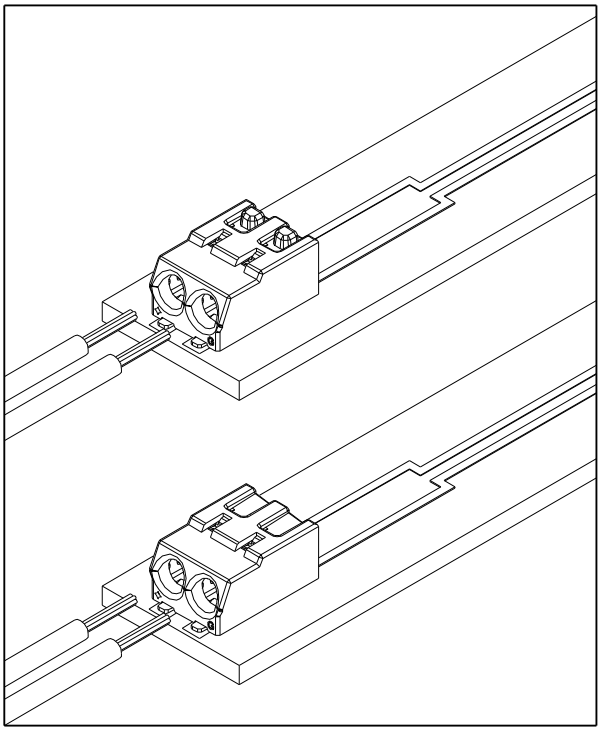
Part No.	Wire Range	Insulation O.D.	Material	Finish
TL2080PPSR-AC-40-A	AWG#12-#20	3.40mm(MAX.)	Phosphor bronze	See note

Note:

For this product in a different specification please contact TYU for more information

TL2460 SERIES

2.40mm Pitch Wire To Board Connector

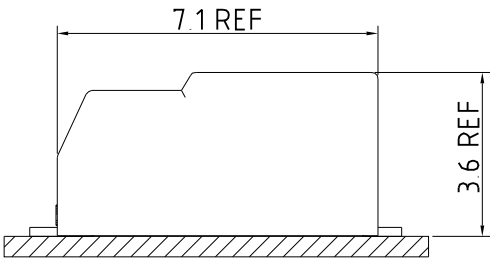


Specification

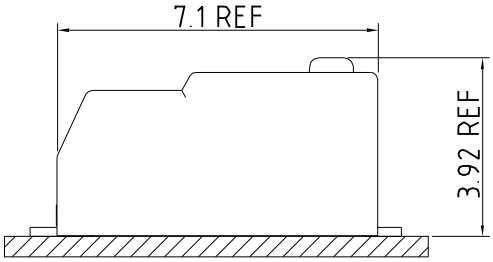
Circuits		01 - 03
Pitch		2.40mm
Current Rating	**Strand Wire**	4.0A AC/DC (AWG#22)
		3.0A AC/DC (AWG#24)
		2.5A AC/DC (AWG#26)
Voltage Rating		500V AC/DC
Contact Resistance		20mΩ MAX.
Withstand Voltage		1600V AC/minute
Insulation Resistance		1000MΩ MIN.
Temperature Range		-40°C - +130°C
Applicable Wire Range		AWG #22 - 26

Assembly Layout

Right Angle SMT Type
No Push Block



Right Angle SMT Type



TL2460 * - NP * - *
① ② ③ ④ ⑤

① Part No. TL2460	④ Mount Type SDR : SMT-Type Wafer SDRA : No Push Block SMT -Type Wafer	
② Connection Type: WNR : Right Angle Wafer	⑤ Material Code Blank : As Specified M7 : Nylon 9T UL 94V-0	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TL2460 SERIES

2.40mm Pitch Wire To Board Connector

Unit : mm

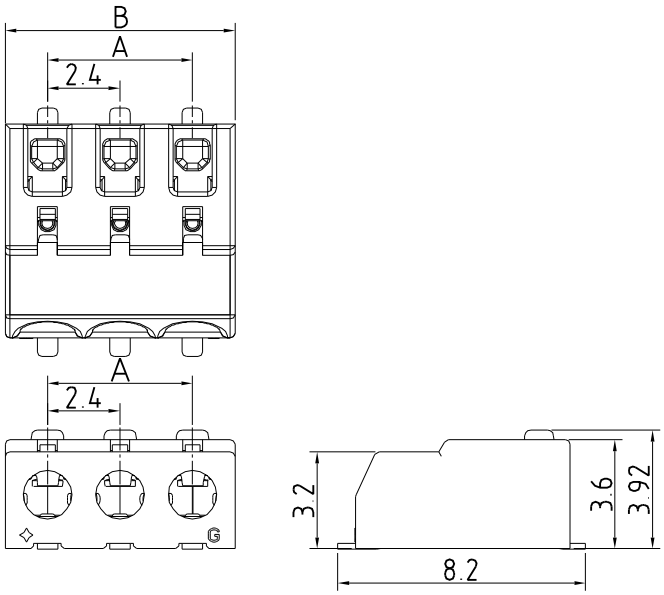
Wafer — Right Angle SMT Type

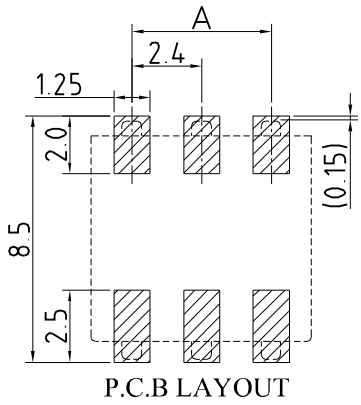
Features

Available Number of Circuits : 01-03

Material : High Temperature Thermoplastic 94V-0

Contact : 0.2mm(.008") Copper Alloy , Tin-plated





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
1	TL2460WNR-01SDR-*		3.20
2	TL2460WNR-02SDR-*	2.40	5.20
3	TL2460WNR-03SDR-*	4.80	7.60

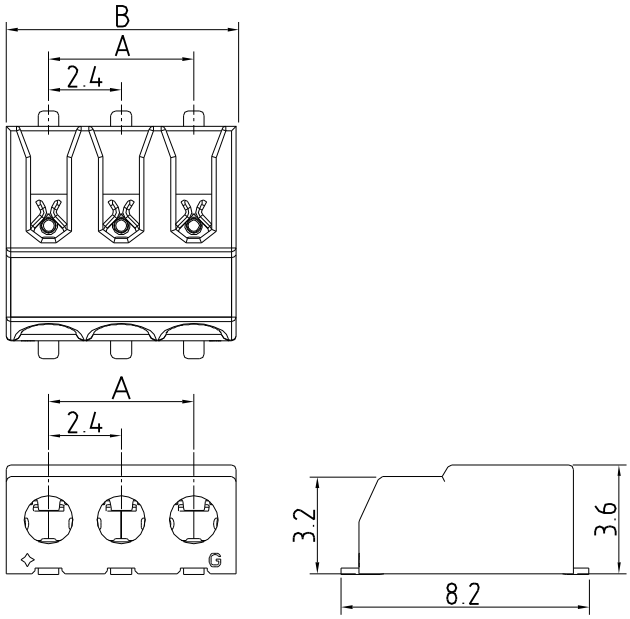
Wafer — Right Angle No Push Block SMT Type

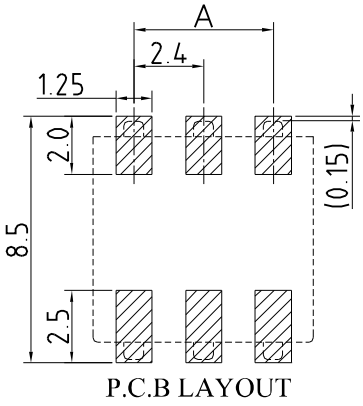
Features

Available Number of Circuits : 01-03

Material : High Temperature Thermoplastic 94V-0

Contact : 0.2mm(.008") Copper Alloy , Tin-plated





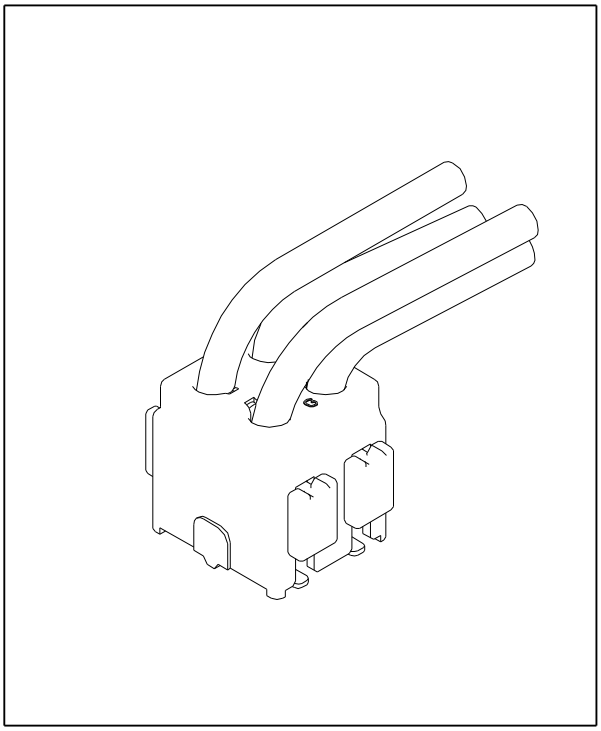
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
1	TL2460WNR-01SDRA-*		3.20
2	TL2460WNR-01SDRA-*	2.40	5.20
3	TL2460WNR-01SDRA-*	4.80	7.60

TL3060 SERIES

3.00mm Pitch Wire To Board Connector

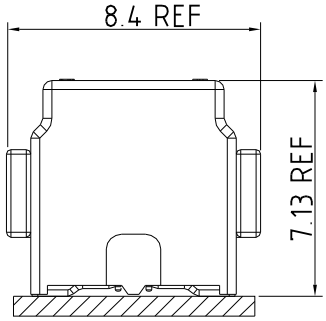


Specification

Circuits		2x02
Pitch		3.00mm
Current Rating	**Strand Wire**	3.5A AC/DC (AWG#22) 3.0A AC/DC (AWG#24)
Voltage Rating		200V AC/DC
Contact Resistance		20mΩ MAX.
Withstand Voltage		1400V AC/minute
Insulation Resistance		1000MΩ MIN.
Temperature Range		-40°C - +130°C
Applicable Wire Range		AWG #22 - #24

Assembly Layout

Vertical SMT Type



TL3060 * - 2xNP * - * 00
① ② ③ ④ ⑤

① Part No. TL3060	④ Mount Type 50 : SMT-Type Wafer	
② Connection Type: WNV : Vertical Wafer	⑤ Material Code A : Matte-Tin over Nickel	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TL3060 SERIES

3.00mm Pitch Wire To Board Connector

Unit : mm

Wafer

Right Angle SMT Type

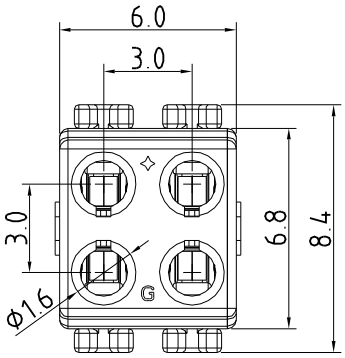
Features

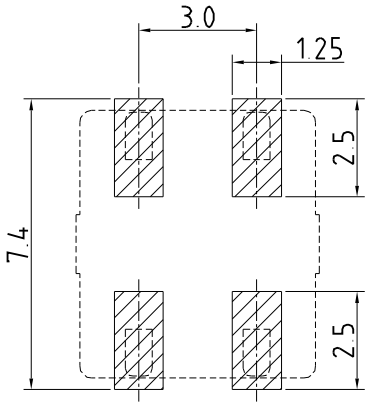
Available Number of Circuits : 2x02

Material : High Temperature Thermoplastic 94V-0

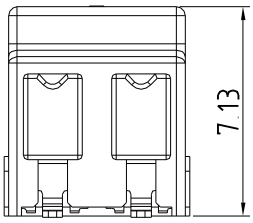
Contact : 0.2mm(.008") Copper Alloy , Tin-plated

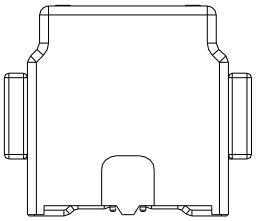
Part No: TL3060WNV-2x0250-*00





P.C.B LAYOUT

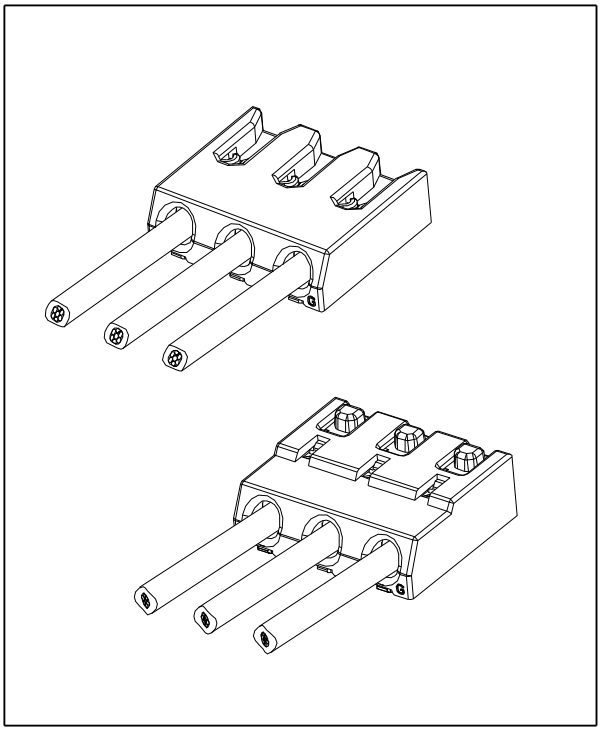




TL3060

TL3601 SERIES

3.00mm Pitch Wire To Board Connector

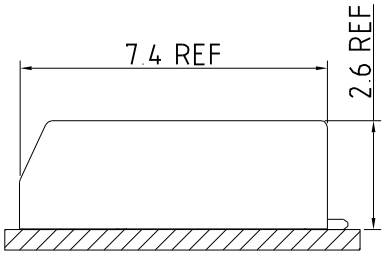


Specification

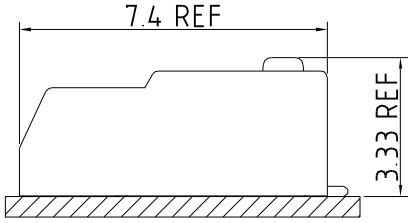
Circuits	01 - 03
Pitch	3.00mm
Current Rating	AWG#22 4.0A AC/DC
	AWG#24 3.0A AC/DC
	AWG#26 2.5A AC/DC
Voltage Rating	600V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	1320V AC/minute
Insulation Resistance	1000MΩ MIN.
Temperature Range	-40°C - +130°C
Applicable Wire Range	AWG #22 - #26

Assembly Layout

Right Angle SMT Type
No Push Block



Right Angle SMT Type



TL3061 * -NP5* - *
① ② ③ ④ ⑤

① Part No. TL3061	④ Mount Type 50 : SMT-Type Wafer 51 : No Push Block SMT -Type Wafer	
② Connection Type: Right Angle Wafer		
③ Number of Contacts: NP : Circuits	⑤ Finish A : Matte-Tin over Nickel	

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TL3061 SERIES

3.00mm Pitch Wire To Board Connector

Unit : mm

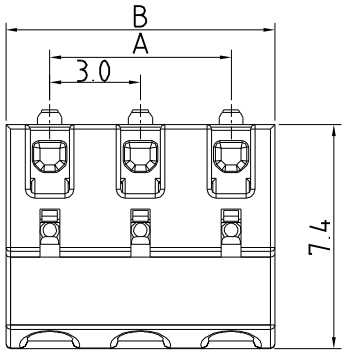
Wafer — Right Angle SMT Type

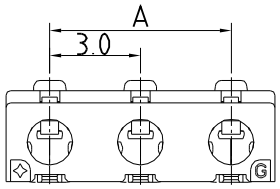
Features

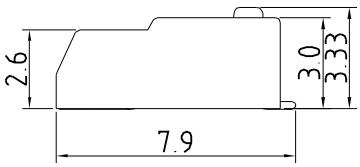
Available Number of Circuits : 01-03

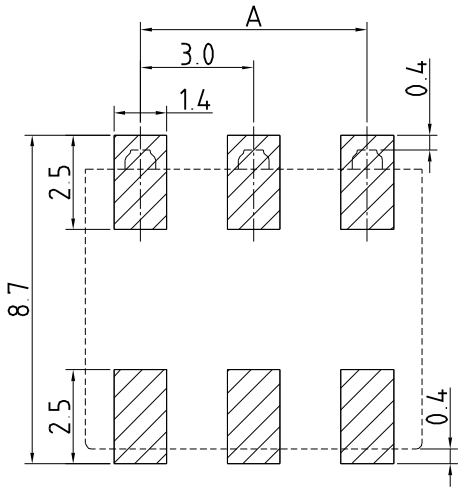
Material : High Temperature Thermoplastic UL94V-0

Contact : 0.25mm(.009"), Copper Alloy, Tin-plated









P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
1	TL3061WNR-0150-A*		2.90
2	TL3061WNR-0250-A*	3.00	5.90
3	TL3061WNR-0350-A*	6.00	8.90

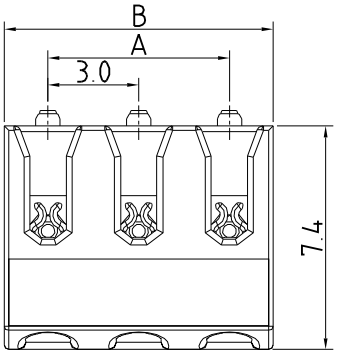
Wafer — Right Angle No Push Block SMT Type

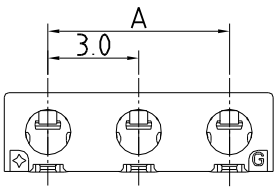
Features

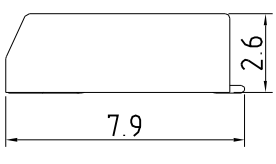
Available Number of Circuits : 01-03

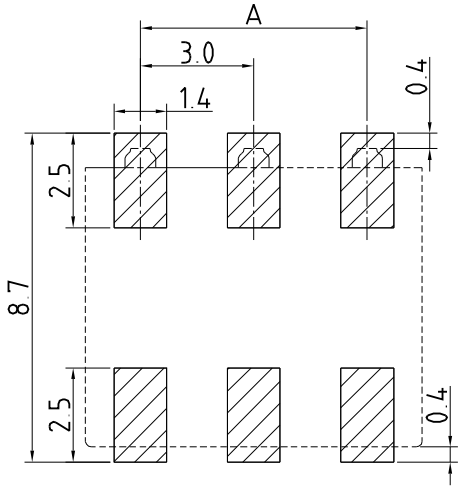
Material : High Temperature Thermoplastic UL94V-0

Contact : 0.25mm(.009"), Copper Alloy, Tin-plated









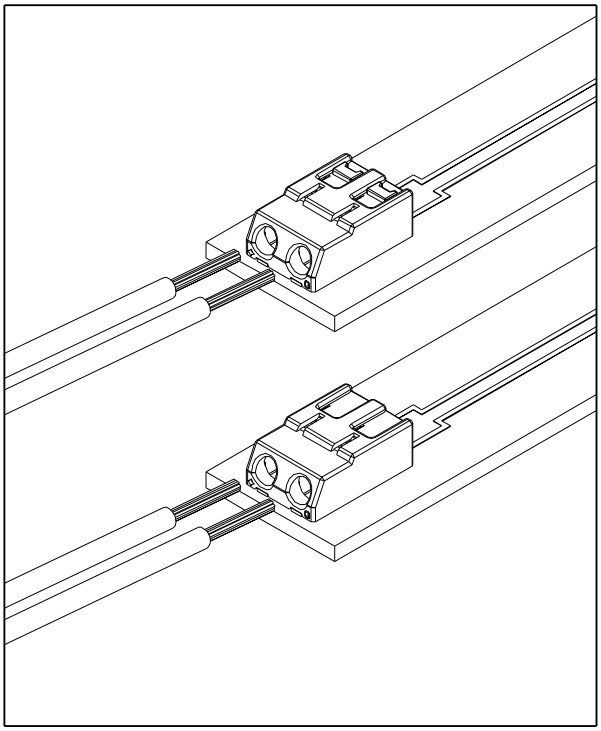
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
1	TL3061WNR-0151-A*		2.90
2	TL3061WNR-0251-A*	3.00	5.90
3	TL3061WNR-0351-A*	6.00	8.90

TL4060 SERIES

4.00mm Pitch Wire To Board Connector

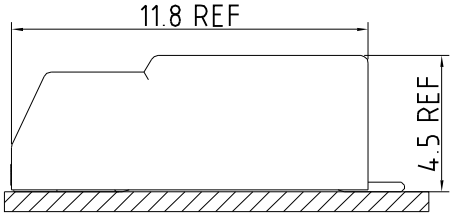


Assembly Layout

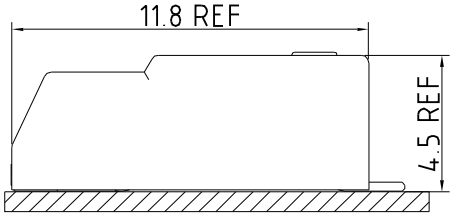
Specification

Circuits		01 - 03
Pitch		4.00mm
Current Rating	**Solid Wire**	AWG#24 5.0A AC/DC AWG#22 5.0A AC/DC AWG#20 6.0A AC/DC AWG#18 9.0A AC/DC
	Strand Wire	AWG#20 5.0A AC/DC AWG#22 6.0A AC/DC
Voltage Rating		TL4060WNR-NPSR/NPSRA 300V AC/DC
		TL4060WNR-NPSRD/NPSRE 600V AC/DC
Contact Resistance		10mΩ MAX.
Withstand Voltage		1600V AC/minute (SR/SRA) 3200V AC/minute (SRD/SRE)
Insulation Resistance		1000MΩ MIN.
Temperature Range		-40°C - +130°C
Applicable Wire Range		AWG #18 - #24

Right Angle SMT Type
No Push Block



Right Angle SMT Type



TL4060 * - NP * - *
① ② ③ ④ ⑤

① Part No. TL4060	④ Mount Type SR : SMT-Type Wafer SRA : No Push Block SMT -Type Wafer SRD : VOID 2 PIN SMT-Type Wafer SRE : No Push Block VOID 2 PIN SMT -Type Wafer	
② Connection Type: WNR : Right Angle Wafer		
③ Number of Contacts: NP : Circuits	⑤ Material Code Blank : As Specified M7 : Nylon 9T UL 94V-0	

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TL4060 SERIES

4.00mm Pitch Wire To Board Connector

Unit : mm

Wafer

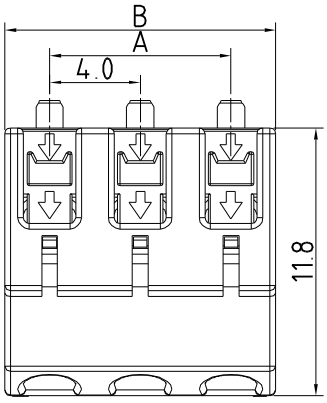
Right Angle SMT Type

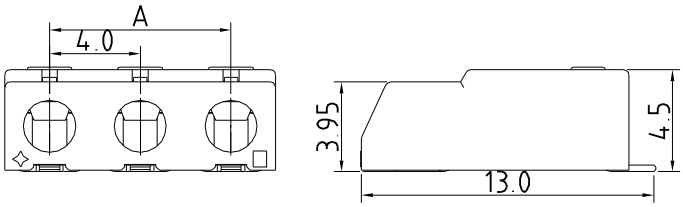
Features

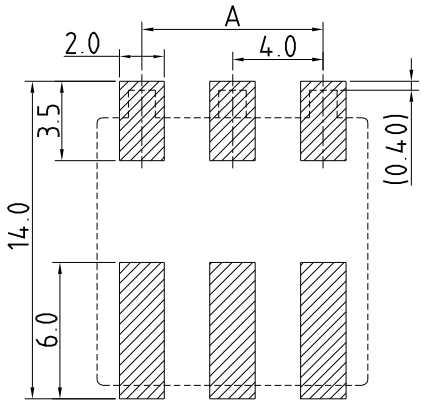
Available Number of Circuits : 01-03

Material : High Temperature Thermoplastic UL94V-0

Contact : 0.30mm(.011"), Copper Alloy, Tin-plated







P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
1	TL4060WNR-01SR-*		3.95
2	TL4060WNR-02SR-*	4.00	7.95
3	TL4060WNR-03SR-*	8.00	11.95

Wafer

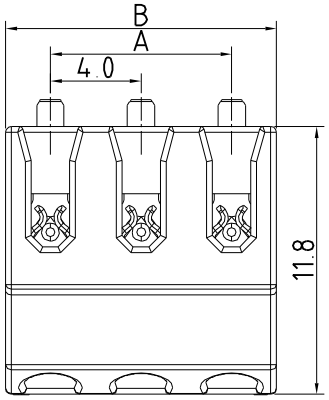
Right Angle No Push Block SMT Type

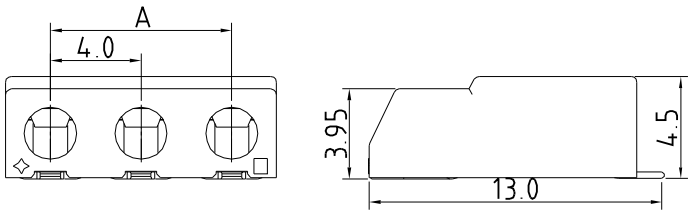
Features

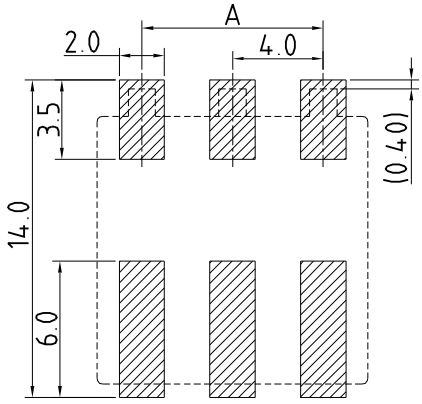
Available Number of Circuits : 01-03

Material : High Temperature Thermoplastic UL94V-0

Contact : 0.30mm(.011"), Copper Alloy, Tin-plated







P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
1	TL4060WNR-01SRA-*		3.95
2	TL4060WNR-02SRA-*	4.00	7.95
3	TL4060WNR-03SRA-*	8.00	11.95

TL4060 SERIES

4.00mm Pitch Wire To Board Connector

Unit : mm

Wafer — Right Angle SMT Type

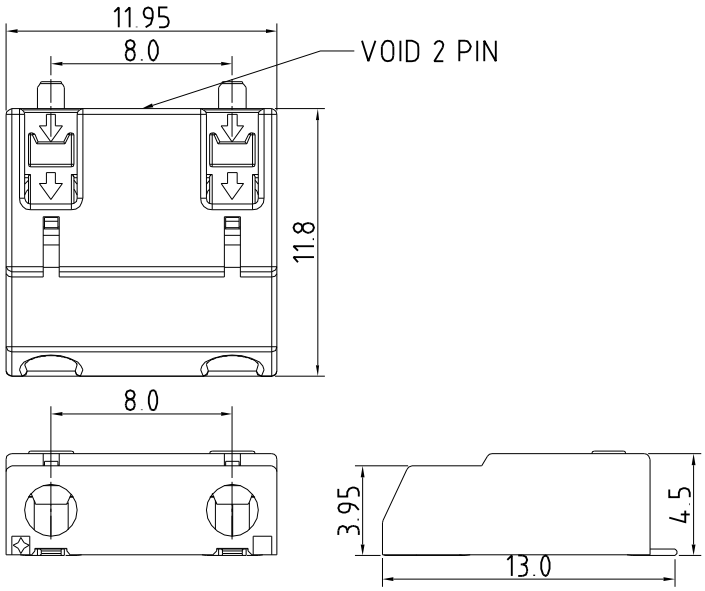
Features

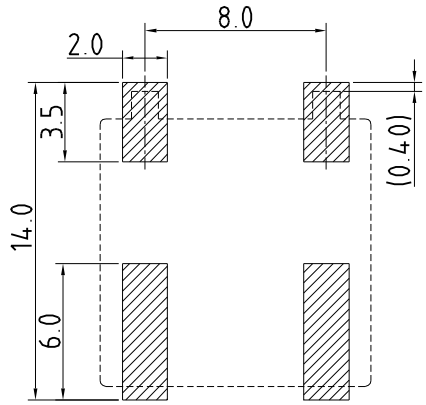
Available Number of Circuits : 03

Material : High Temperature Thermoplastic UL94V-0

Contact : 0.30mm(.011"), Copper Alloy, Tin-plated

Part No. : TL4060WNR-03SRD-*





P.C.B LAYOUT

Wafer — Right Angle No Push Block SMT Type

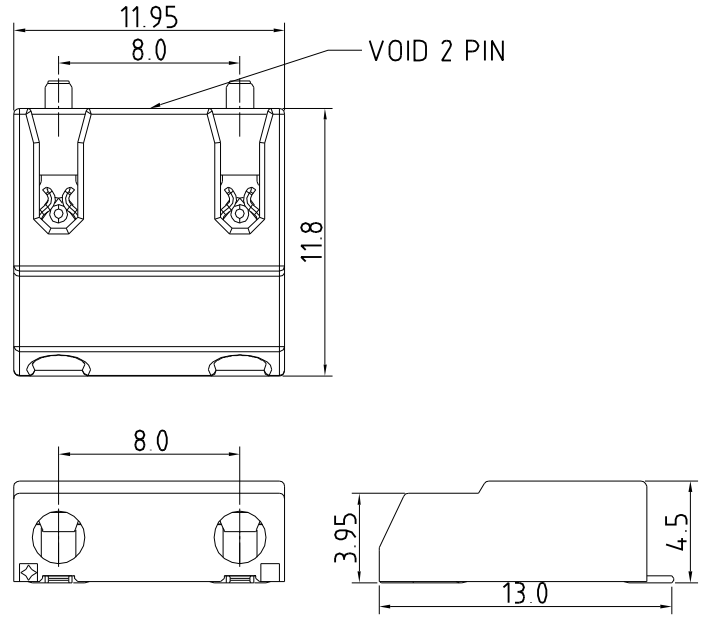
Features

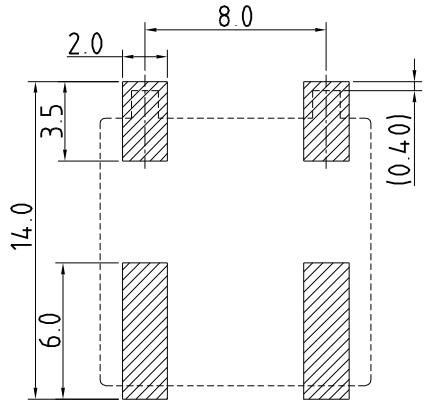
Available Number of Circuits : 03

Material : High Temperature Thermoplastic UL94V-0

Contact : 0.30mm(.011"), Copper Alloy, Tin-plated

Part No. : TL4060WNR-03SRE-*

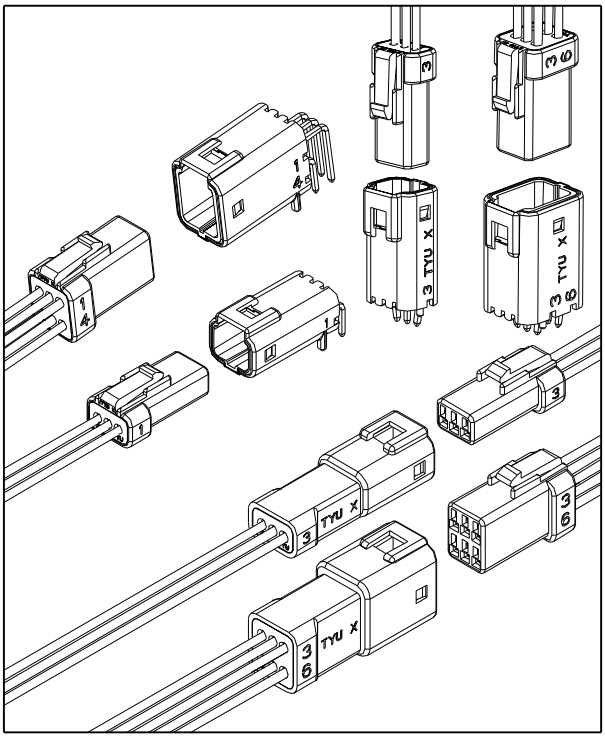




P.C.B LAYOUT

TW2051/2 SERIES

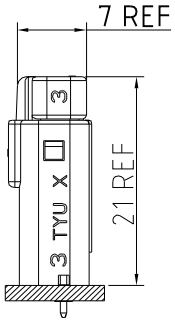
2.00mm Pitch Wire To Wire Connector (Waterproof Type)



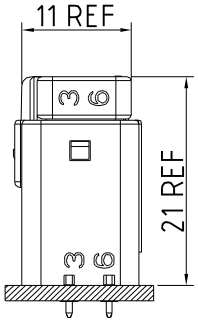
Specification

Circuits	1x02 ~1x04, 2x03 ~2x04
Pitch	2.00mm
Current Rating	4A AC/DC (AWG#22)
Voltage Rating	100V AC/DC (FOR UL TEST 250V AC/DC)
Waterproof Grade	Grade 7 ingress protection of JIS C 0920 (IPX7 of IEC 60529)
Contact Resistance	10mΩ MAX.
Withstand Voltage	1000V AC/minute
Insulation Resistance	1000MΩ MIN.
Temperature Range	-55°C ~ +105°C
Applicable Wire Range	AWG #22 ~ #26

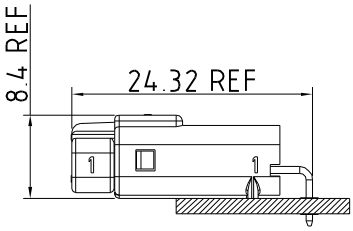
Vertical Type



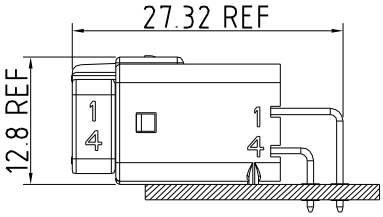
Vertical Dual Row Type



Right Angle Type



Right Angle Dual Row Type



Part No. 1TW * * - * * * - * 0 *
①② ③④⑤ ⑥ ⑦

Part No. 2TW * * - * *
①② ③④

① Part No. TW2051/TW2052	④ Mount Type (Part No. 2)A: Rubber Wire Use Of:1.0~1.2mm (Part No. 1)8: DIP-Type Wafer	⑥ Contact Plating Code (Part No. 1)A: Tin over Nickel
② Connection Type: (Part No. 1)HNO : Terminal Socket (Part No. 2)WNV : Vertical Wafer (Part No. 2)WNR : Right Angle Wafer (Part No. 1)CSO : Insulator	⑤ Mount Type (Part No. 1)K: With latch Type	⑦ Product Color (Part No. 1)0: Natural
③ Number of Contacts: 1xNP : Single row 2xNP : Dual row		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TW2051/2 SERIES

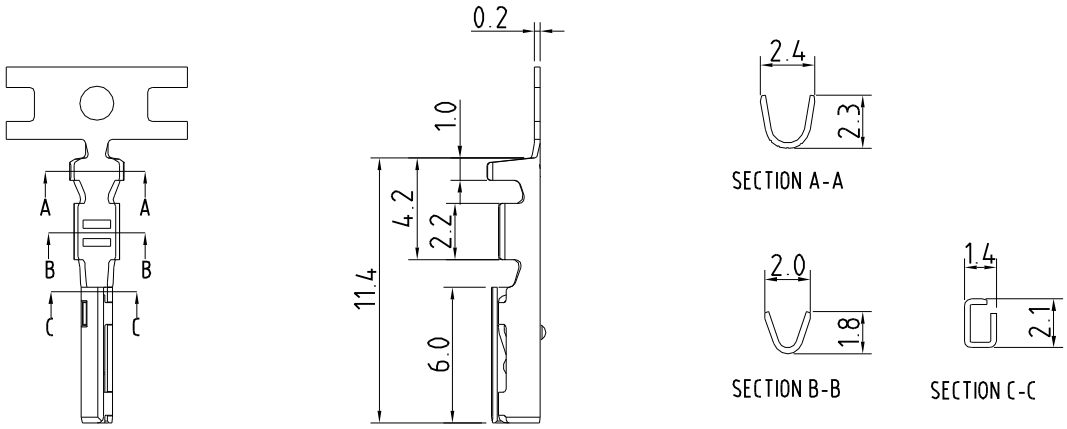
2.00mm Pitch Wire To Wire Connector (Waterproof Type)

Unit : mm

Terminal

Features

Use with : TW2051 Series **Housing**



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TW2051TGO-*	AWG #22-#26	1.70mm(MAX.)	High current	See note	10,000 pcs

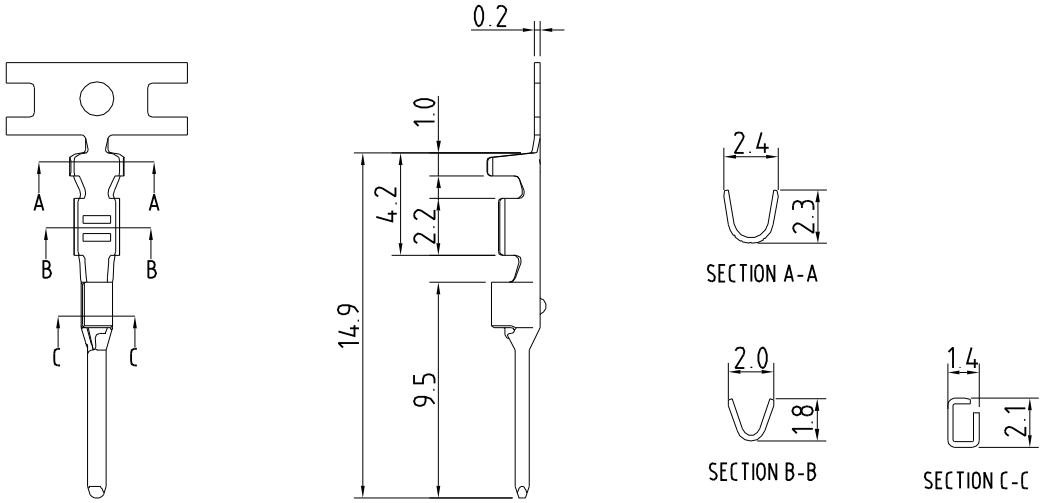
Note:

For this product in a different specification please contact TYU for more information

Terminal

Features

Use with : TW2052 Series **Housing**



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TW2052TBO-*	AWG #22-#26	1.70mm(MAX.)	Brass	See note	10,000 pcs

Note:

For this product in a different specification please contact TYU for more information

TW2051/2 SERIES

2.00mm Pitch Wire To Wire Connector (Waterproof Type)

Unit : mm

Housing Single Row

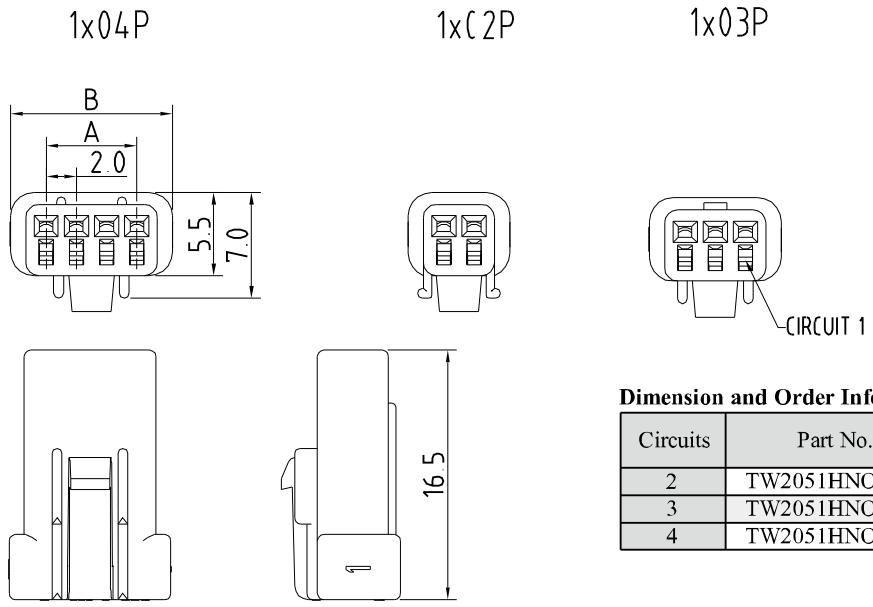
Features

Available Number of Circuits : 1x02 ~ 1x04

Material : Thermoplastic 94V-0

Use with : TW2051 Crimp Terminal

Mates with : TW2052 Series Single Row Housing or Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TW2051HNO-1x02	2.00	6.70
3	TW2051HNO-1x03	4.00	8.70
4	TW2051HNO-1x04	6.00	10.70

Housing Dual Row

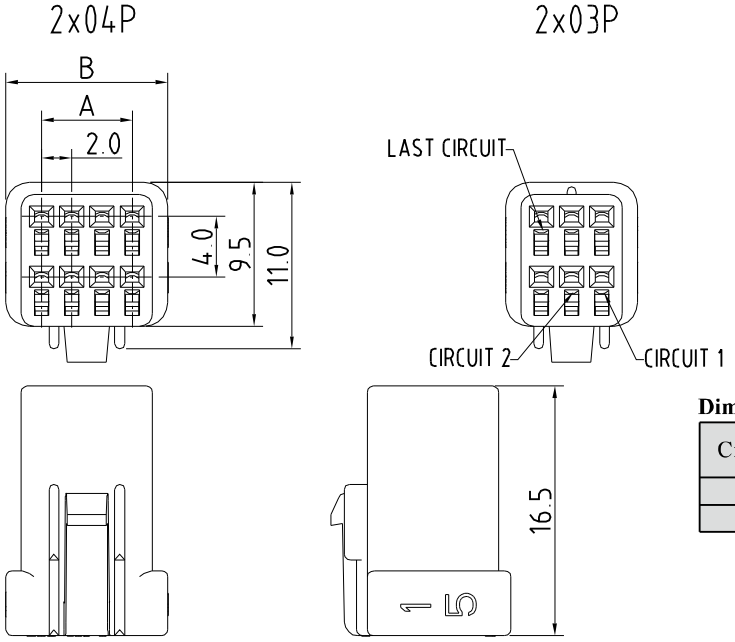
Features

Available Number of Circuits : 2x03 ~ 2x04

Material : Thermoplastic 94V-0

Use with : TW2051 Crimp Terminal

Mates with : TW2052 Series Dual Row Housing or Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
6	TW2051HNO-2x03	4.00	8.70
8	TW2051HNO-2x04	6.00	10.70

TW2051/2 SERIES

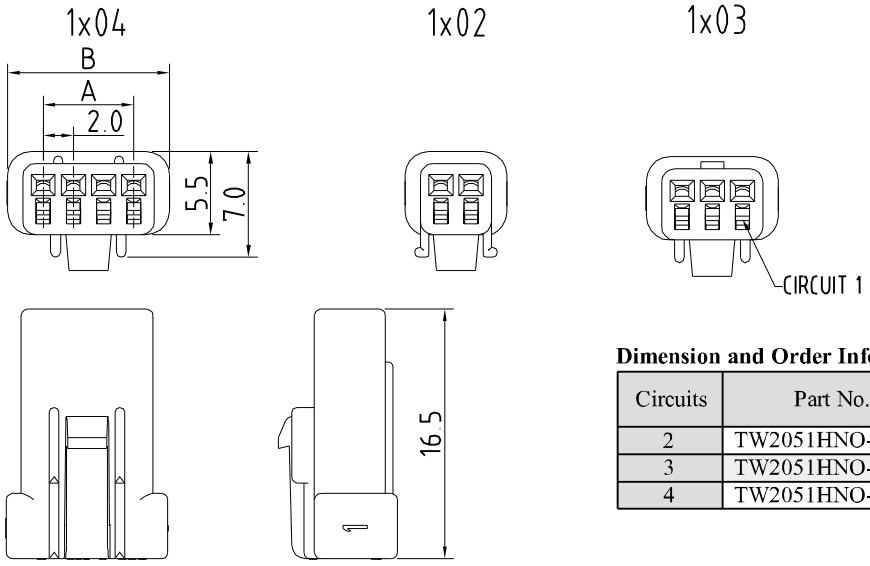
2.00mm Pitch Wire To Wire Connector (Waterproof Type)

Unit : mm

Housing Single Row A Type

Features

Available Number of Circuits : 1x02 - 1x04
Material : Thermoplastic 94V-0
Use with : TW2051 Crimp Terminal
Use with : TW2051CSO Series Single Row
Mates with : TW2052 Series Single Row Housing or Wafer



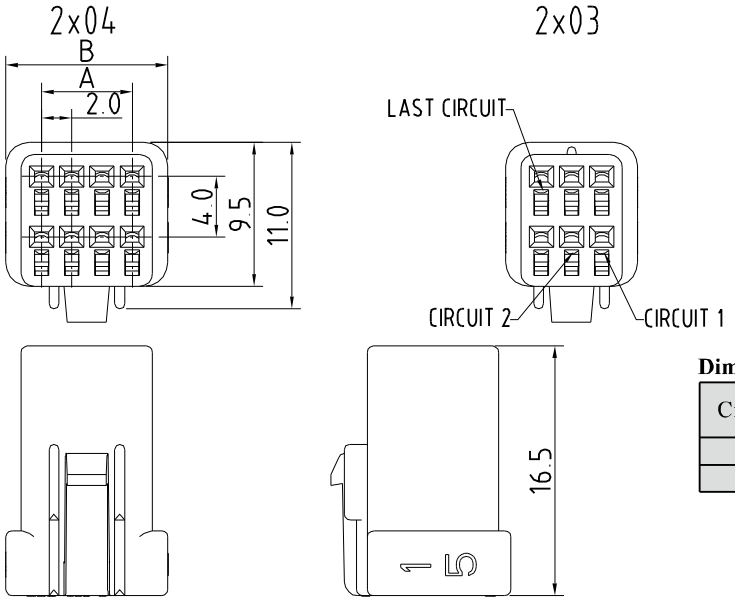
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TW2051HNO-1x02A	2.00	6.70
3	TW2051HNO-1x03A	4.00	8.70
4	TW2051HNO-1x04A	6.00	10.70

Housing Dual Row A Type

Features

Available Number of Circuits : 2x03 - 2x04
Material : Thermoplastic 94V-0
Use with : TW2051 Crimp Terminal
Use with : TW2052CSO Series Dual Row
Mates with : TW2052 Series Dual Row Housing or Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
6	TW2051HNO-2x03A	4.00	8.70
8	TW2051HNO-2x04A	6.00	10.70

TW2051/2 SERIES

2.00mm Pitch Wire To Wire Connector (Waterproof Type)

Unit : mm

Housing

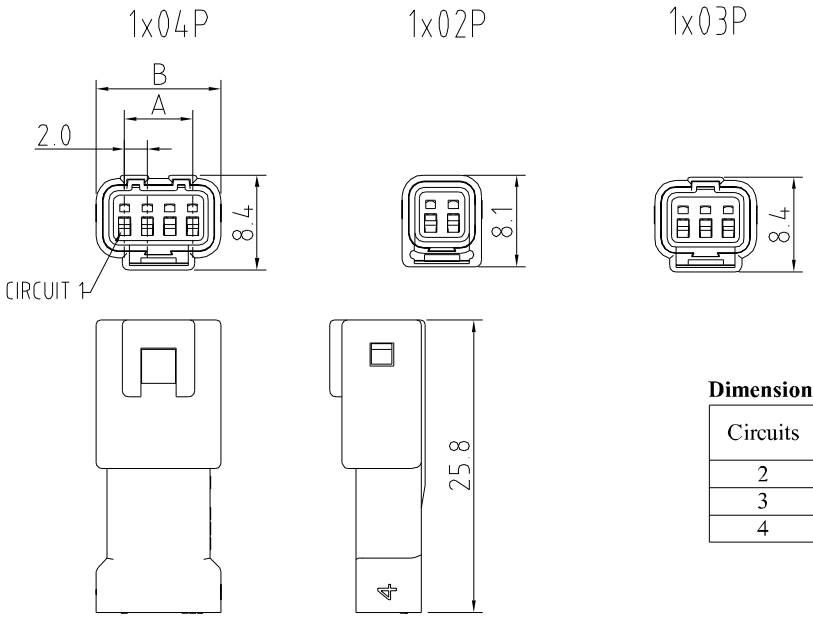
Features

Available Number of Circuits : 1x02 ~ 1x04

Material : Thermoplastic 94V-0

Use with : TW2052 Crimp Terminal

Mates with : TW2051 Series Single Row **Housing**



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TW2052HNO-1x02	2.00	7.00
3	TW2052HNO-1x03	4.00	9.00
4	TW2052HNO-1x04	6.00	11.00

Housing

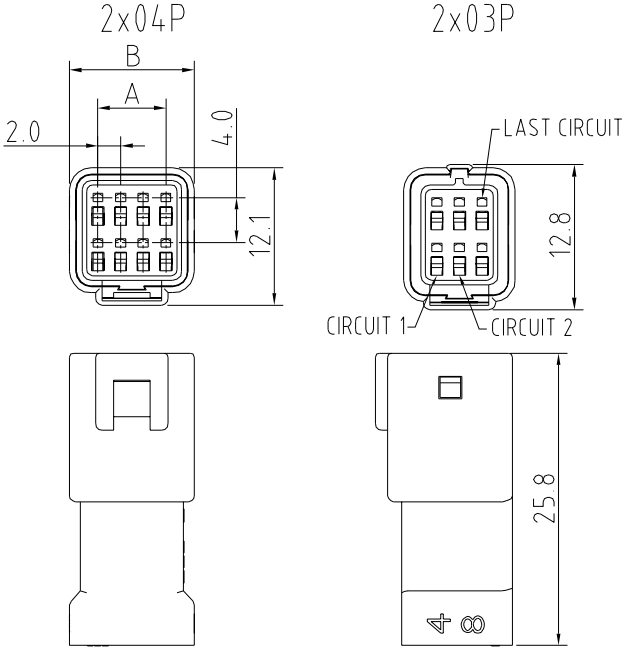
Features

Available Number of Circuits : 2x03 ~ 2x04

Material : Thermoplastic 94V-0

Use with : TW2052 Crimp Terminal

Mates with : TW2051 Series Dual Row **Housing**



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
6	TW2052HNO-2x03	4.00	9.80
8	TW2052HNO-2x04	6.00	11.00

TW2051/2 SERIES

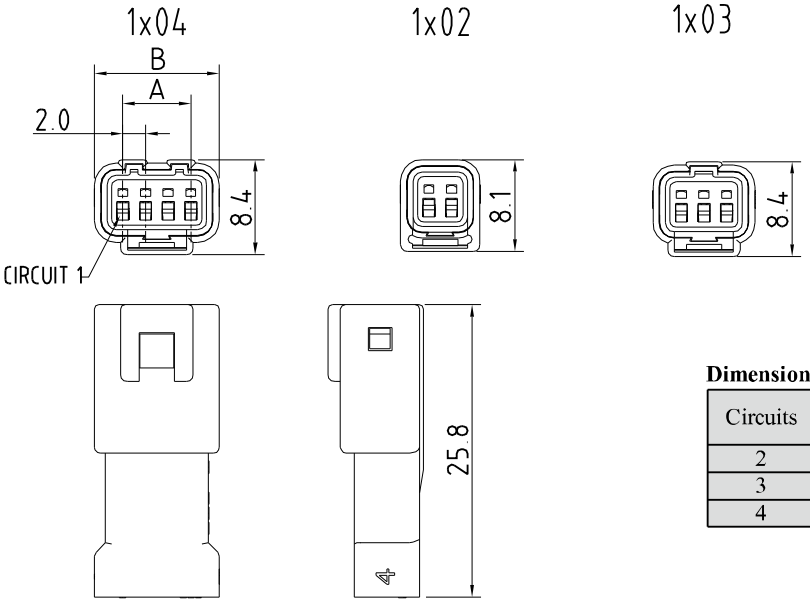
2.00mm Pitch Wire To Wire Connector (Waterproof Type)

Unit : mm

Housing Single Row A Type

Features

Available Number of Circuits : 1x02 ~ 1x04
Material : Thermoplastic 94V-0
Use with : TW2052 Crimp Terminal
Use with : TW2051CSO Series Single Row
Mates with : TW2051 Series Single Row Housing



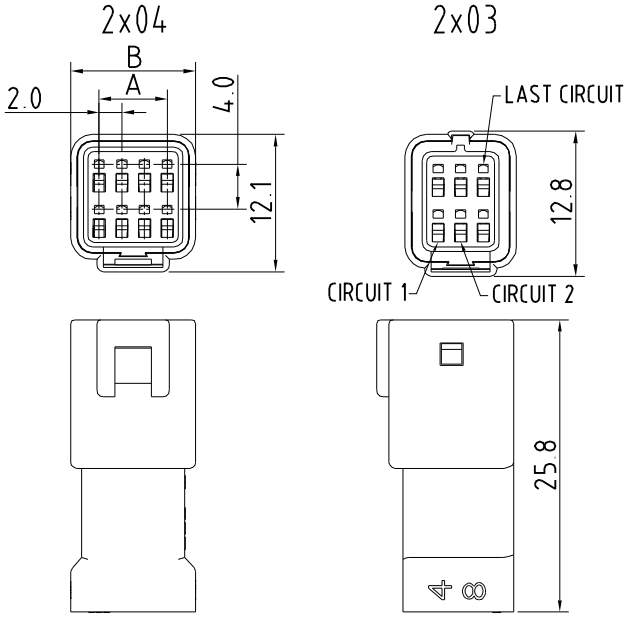
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TW2052HNO-1x02A	2.00	7.00
3	TW2052HNO-1x03A	4.00	9.00
4	TW2052HNO-1x04A	6.00	11.00

Housing Dual Row A Type

Features

Available Number of Circuits : 2x03 ~ 2x04
Material : Thermoplastic 94V-0
Use with : TW2052 Crimp Terminal
Use with : TW2052CSO Series Dual Row
Mates with : TW2051 Series Dual Row Housing



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
6	TW2052HNO-2x03A	4.00	9.80
8	TW2052HNO-2x04A	6.00	11.00

TW2051/2 SERIES

2.00mm Pitch Wire To Wire Connector (Waterproof Type)

Unit : mm

Insulator Single Row A Type

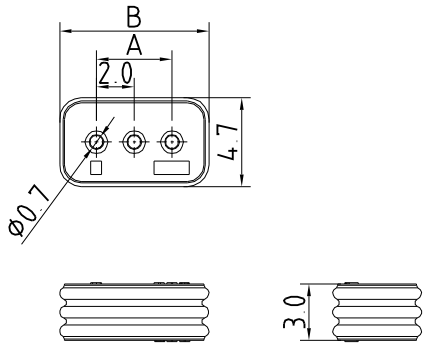
Features

Available Number of Circuits : 1x02 ~1x04

Material : Silicon Rubber

Use with : TW2051 Crimp Terminal

Mates with : TW2051/2 A Type Series Single Row Housing



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TW2051CSO-1x02A	2.00	5.90
3	TW2051CSO-1x03A	4.00	7.90
4	TW2051CSO-1x04A	6.00	9.90

Insulator Dual Row A Type

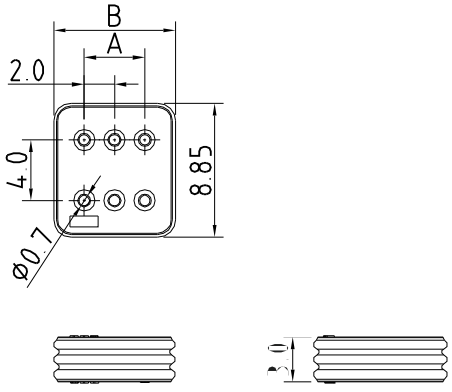
Features

Available Number of Circuits : 2x03 ~2x04

Material : Silicon Rubber

Use with : TW2051 Crimp Terminal

Mates with : TW2051/2 A Type Series Dual Row Housing



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
6	TW2051CSO-2x03A	4.00	8.05
8	TW2051CSO-2x04A	6.00	10.05

TW2051/2 SERIES

2.00mm Pitch Wire To Wire Connector (Waterproof Type)

Unit : mm

Wafer

Vertical Single Row Type

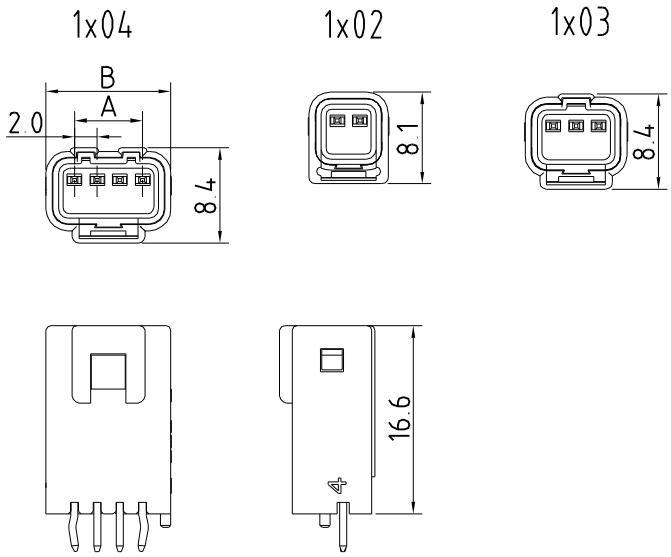
Features

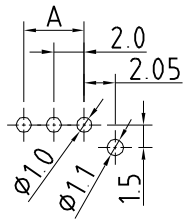
Available Number of Circuits : 1x02 ~1x04

Material : Thermoplastic 94V-0

Contact: 0.64mm(.025") Copper Alloy , Tin-plated

Mates with : TW2051 Series Single Row Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TW2052WNV-1x028K-*0*	2.00	7.00
3	TW2052WNV-1x038K-*0*	4.00	9.00
4	TW2052WNV-1x048K-*0*	6.00	11.00

Wafer

Vertical Dual Row Type

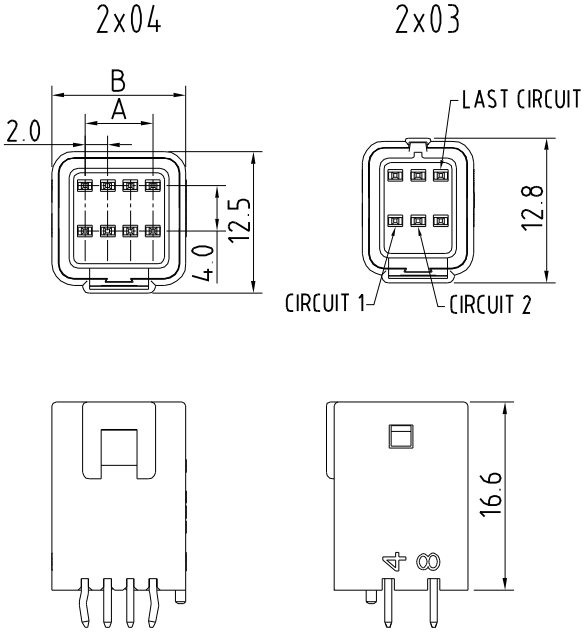
Features

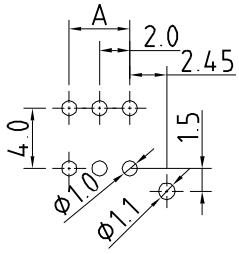
Available Number of Circuits : 2x03 ~ 2x04

Material : Thermoplastic 94V-0

Contact: 0.64mm(.025") Copper Alloy , Tin-plated

Mates with : TW2051 Series Dual Row Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
6	TW2052WNV-2x038K-*0*	4.00	9.80
8	TW2052WNV-2x048K-*0*	6.00	11.80

TW2051/2 SERIES

2.00mm Pitch Wire To Wire Connector (Waterproof Type)

Unit : mm

Wafer

Right Angle Single Row Type

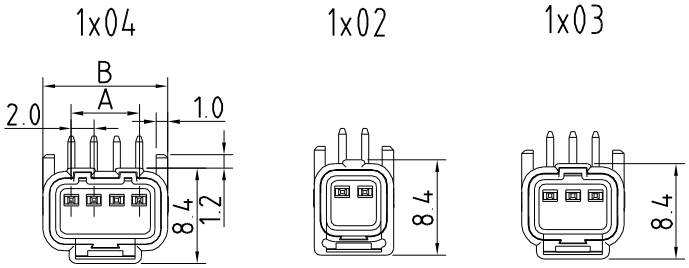
Features

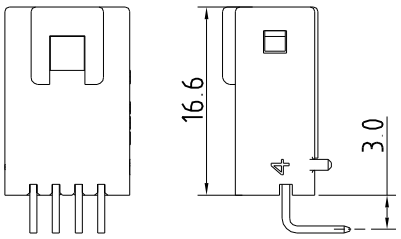
Available Number of Circuits : 1x02 - 1x04

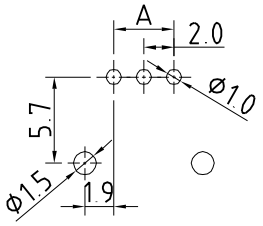
Material : Thermoplastic 94V-0

Contact: 0.64mm(.025") Copper Alloy , Tin-plated

Mates with : TW2051 Series Single Row Housing







P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TW2052WNR-1x028K-*0*	2.00	7.00
3	TW2052WNR-1x038K-*0*	4.00	9.00
4	TW2052WNR-1x048K-*0*	6.00	11.00

Wafer

Right Angle Dual Row Type

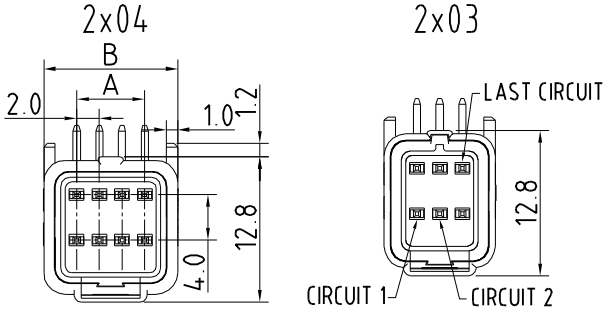
Features

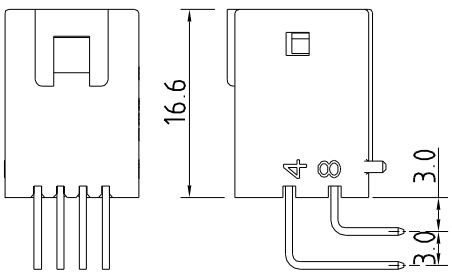
Available Number of Circuits : 2x03 - 2x04

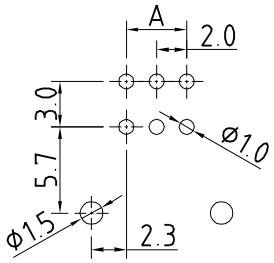
Material : Thermoplastic 94V-0

Contact: 0.64mm(.025") Copper Alloy , Tin-plated

Mates with : TW2051 Series Dual Row Housing







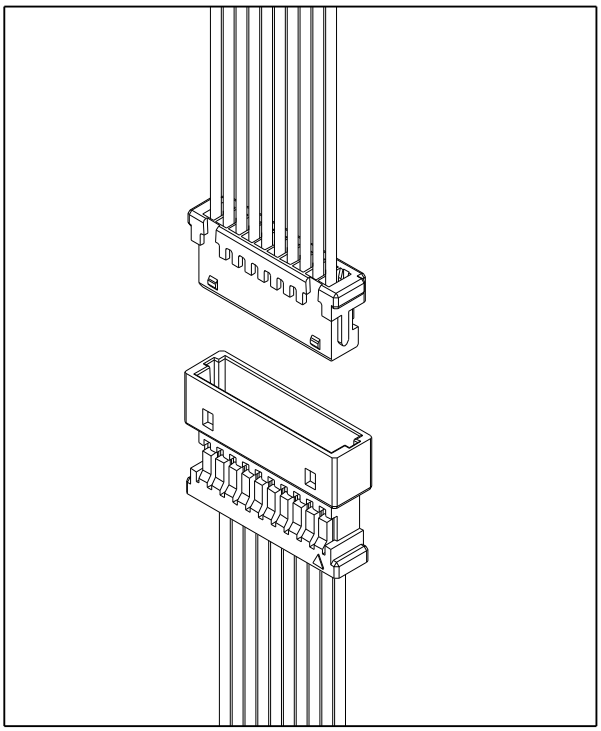
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
6	TW2052WNR-2x038K-*0*	4.00	9.80
8	TW2052WNR-2x048K-*0*	6.00	11.80

TY1009/TU1009 SERIES

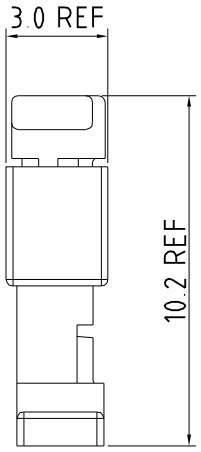
1.00mm Pitch Wire To Wire Connector



Specification

Circuits	1x02 - 1x20
Pitch	1.00mm
Current Rating	1A AC/DC
Voltage Rating	50V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #28 - #32

Assembly Layout



TY1009 * - * x NP
① ② ③

① Part No. TY1009		
② Connection Type: HNO : Terminal Socket		
③ Number of Contacts: 1xNP : Single Row		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TY1009/TU1009 SERIES

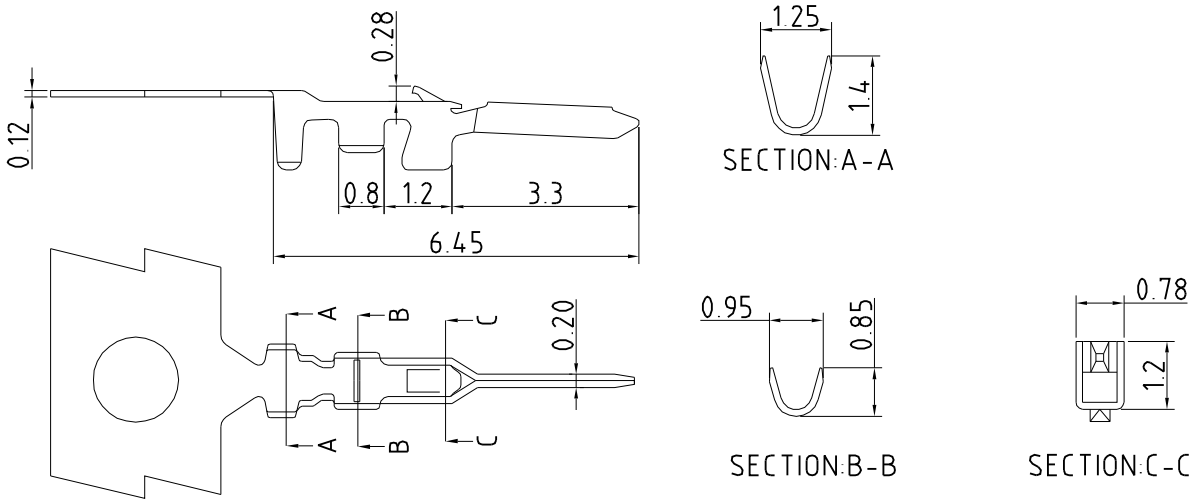
1.00mm Pitch Wire To Wire Connector

Unit : mm

Terminal

Features

Use with: TY1009 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TY1009TPO-*	AWG #28-#32	0.8mm(MAX.)	Phosphor bronze	See note	15,000 pcs

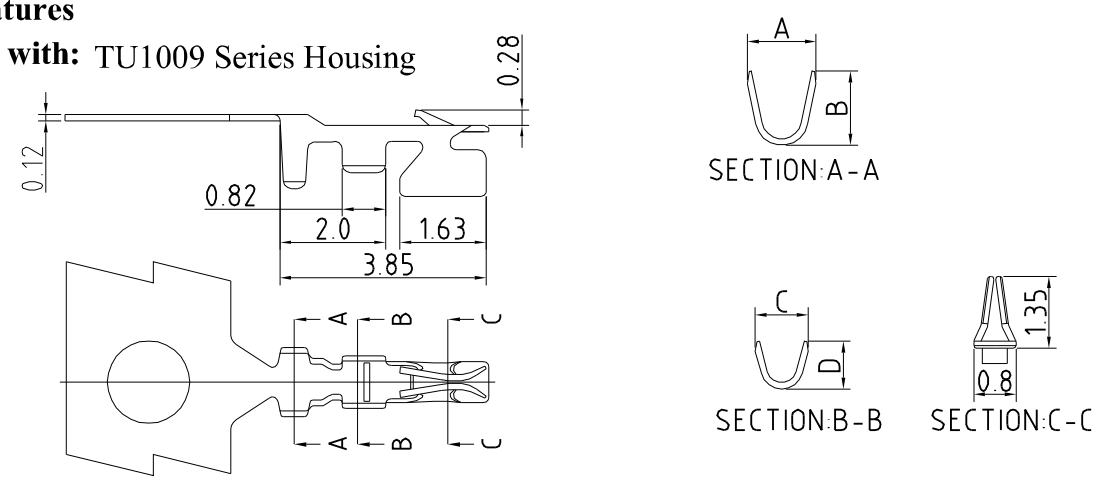
Note:

For this product in a different specification please contact TYU for more information

Terminal

Features

Use with: TU1009 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TU1001TPH-*	AWG #26-#28	0.90mm(MAX.)	1.4	1.7	1.1	1.1	Phosphor bronze	See note	15,000pcs
TU1001TPO-*	AWG #28-#32	0.80mm(MAX.)	1.3	1.4	1.0	0.9			
TU1001TPL-*	AWG #32-#34	0.40mm(MAX.)	1.1	1.0	1.0	0.9			
TU1001TPL-*-DL	AWG #36	0.30mm(MAX.)	1.05	1.15	0.85	0.65			

Note:

For this product in a different specification please contact TYU for more information

TY1009/TU1009 SERIES

1.00mm Pitch Wire To Wire Connector

Unit : mm

Housing

Single Row

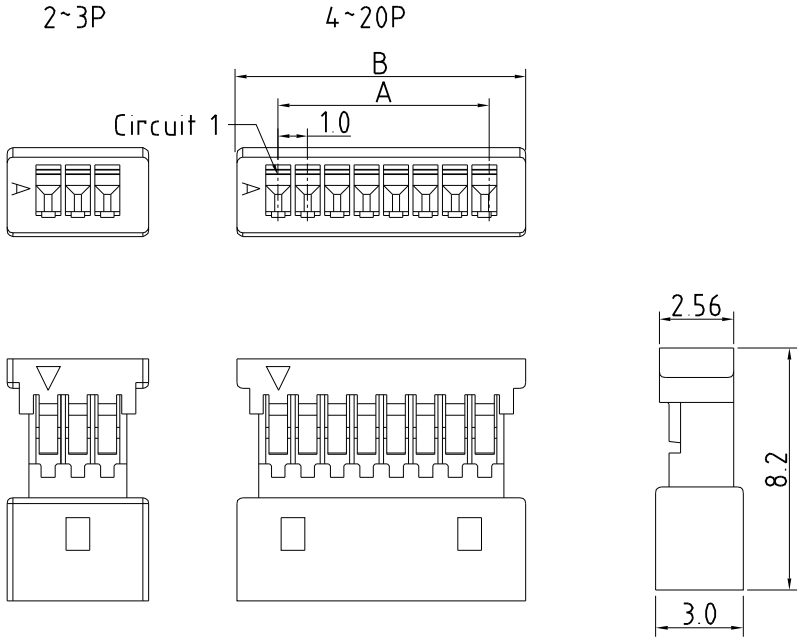
Features

Available Number of Circuits: 1x02 -1x20

Material: Regular Thermoplastic 94V-0

Use with: TY1009 Crimp Terminal

Mates with : TU1009 Series Housing



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY1009HNO-1x02	1.00	3.80
3	TY1009HNO-1x03	2.00	4.80
4	TY1009HNO-1x04	3.00	5.80
5	TY1009HNO-1x05	4.00	6.80
6	TY1009HNO-1x06	5.00	7.80
7	TY1009HNO-1x07	6.00	8.80
8	TY1009HNO-1x08	7.00	9.80
9	TY1009HNO-1x09	8.00	10.80
10	TY1009HNO-1x10	9.00	11.80
11	TY1009HNO-1x11	10.00	12.80
12	TY1009HNO-1x11	11.00	13.80
13	TY1009HNO-1x13	12.00	14.80
14	TY1009HNO-1x14	13.00	15.80
15	TY1009HNO-1x15	14.00	16.80
16	TY1009HNO-1x16	15.00	17.80
17	TY1009HNO-1x17	16.00	18.80
18	TY1009HNO-1x18	17.00	19.80
19	TY1009HNO-1x19	18.00	20.80
20	TY1009HNO-1x20	19.00	21.80

Housing

Single Row

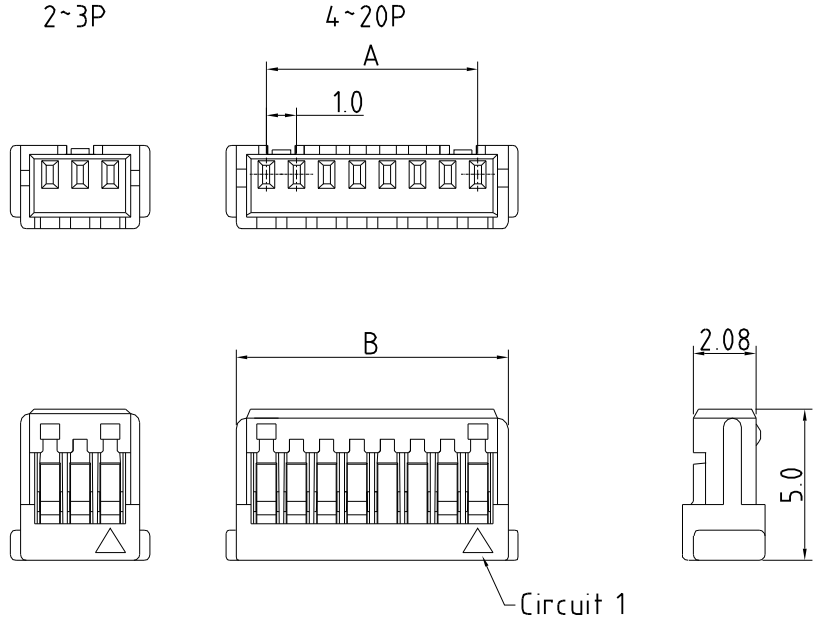
Features

Available Number of Circuits: 1x02 -1x 20

Material: Regular Thermoplastic 94V-0

Use with: TU1001 Crimp Terminal

Mates with : TY1009 Series Housing

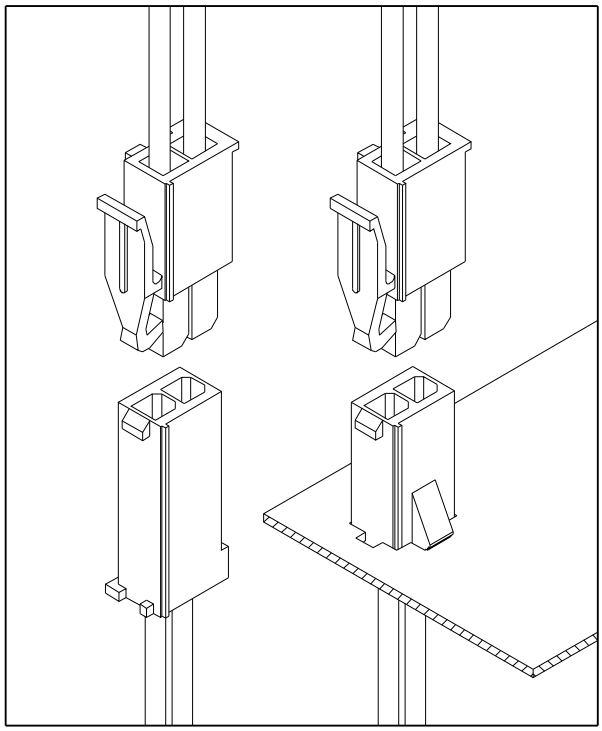


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1009HNO-1x02	1.00	3.00
3	TU1009HNO-1x03	2.00	4.00
4	TU1009HNO-1x04	3.00	5.00
5	TU1009HNO-1x05	4.00	6.00
6	TU1009HNO-1x06	5.00	7.00
7	TU1009HNO-1x07	6.00	8.00
8	TU1009HNO-1x08	7.00	9.00
9	TU1009HNO-1x09	8.00	10.00
10	TU1009HNO-1x10	9.00	11.00
11	TU1009HNO-1x11	10.00	12.00
12	TU1009HNO-1x12	11.00	13.00
13	TU1009HNO-1x13	12.00	14.00
14	TU1009HNO-1x14	13.00	15.00
15	TU1009HNO-1x15	14.00	16.00
16	TU1009HNO-1x16	15.00	17.00
17	TU1009HNO-1x17	16.00	18.00
18	TU1009HNO-1x18	17.00	19.00
19	TU1009HNO-1x19	18.00	20.00
20	TU1009HNO-1x20	19.00	21.00

TY1081/2 SERIES

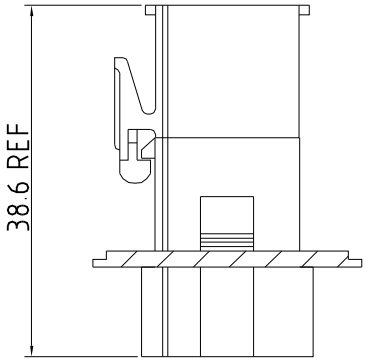
4.14mm Pitch Wire To Wire Connector



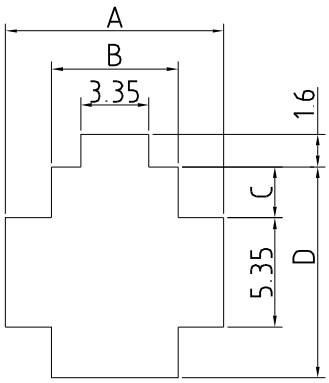
Specification

Circuits	01 - 15
Pitch	4.14mm
Current Rating	5A AC/DC
Voltage Rating	600V AC/DC
Contact Resistance	10mΩ MAX.
Withstand Voltage	1,500V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #20 - #24
Applicable P.C.B Thickness	0.8mm - 2.0mm

Assembly Layout



Panel Layout



Dimension and Order Information

Circuits	DIM.(mm)			
	A	B	C	D
1x2	10.70	6.15	2.50	10.35
1x3	10.70	6.15	4.60	14.55
2x2	14.90	10.35	2.50	10.35
2x3	19.10	14.55	2.50	10.55
3x3	19.10	14.55	4.60	14.55
3x4	23.30	18.75	4.60	14.55
3x5	27.50	22.95	4.60	14.55

TY1081 * - * x NP *
① ② ③ ④

TY1082 * - * x NP *
① ② ③ ④

① Part No. TY1081,2

② Connection Type:
HNO : Terminal Socket

③ Number of Contacts:
1xNP : Single Row
2xNP : Dual Row
3xNP : Triple Row

④ Mount Type
W : W-Type Housing

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TY1081/2 SERIES

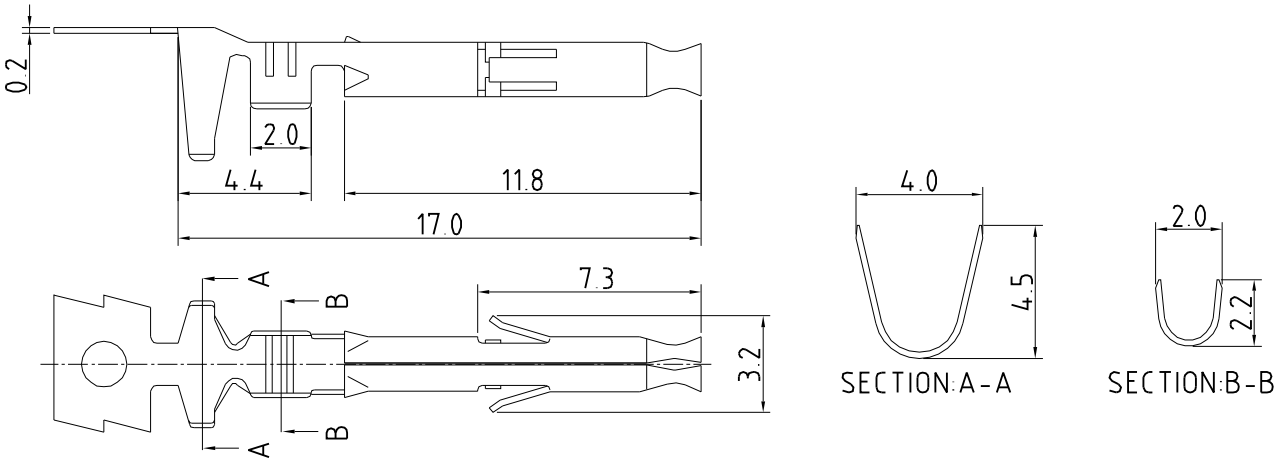
4.14mm Pitch Wire To Wire Connector

Unit : mm

Terminal Female

Features

Use with: TY1081 Series Male Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TY1081TBO-*	AWG #20-#24	2.70mm(MAX.)	Brass	See note	4,000 pcs
TY1081TPO-*			Phosphor bronze		

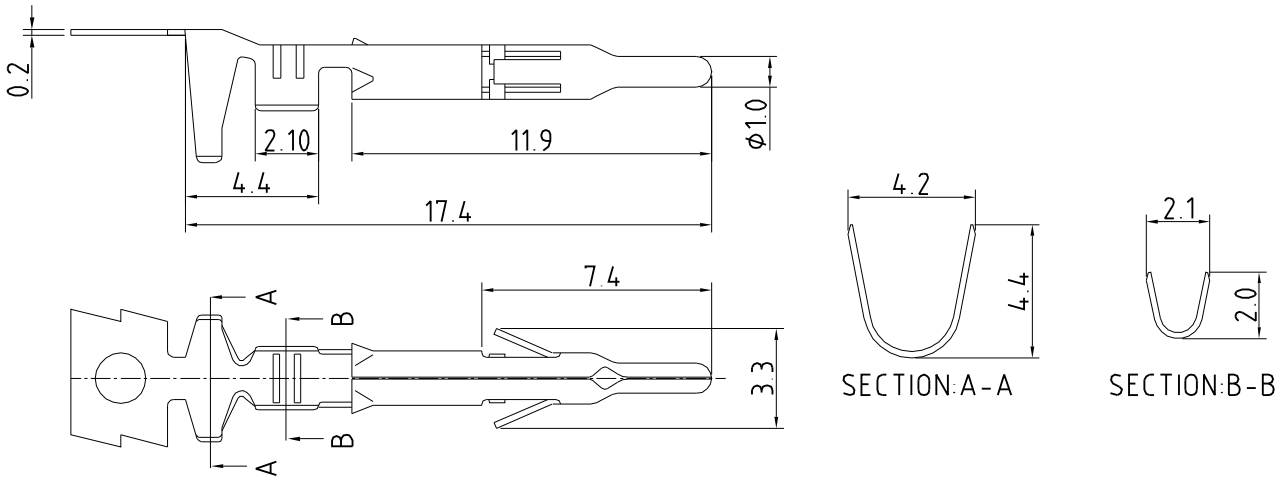
Note:

For this product in a different specification please contact TYU for more information

Terminal Male

Features

Use with: TY1082 Series Female Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TY1082TBO-*	AWG #20-#24	2.70mm(MAX.)	Brass	See note	4,000 pcs
TY1082TPO-*			Phosphor bronze		

Note:

For this product in a different specification please contact TYU for more information

TY1081/2 SERIES

4.14mm Pitch Wire To Wire Connector

Unit : mm

Housing

Male and Female

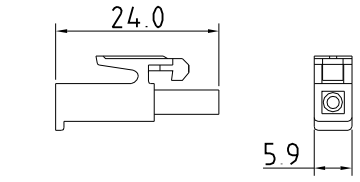
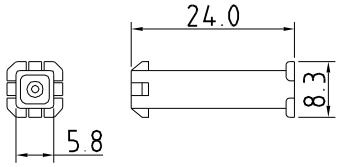
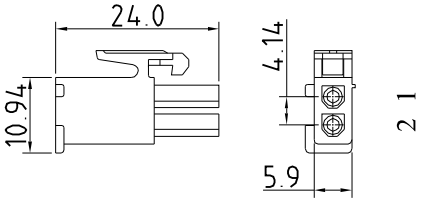
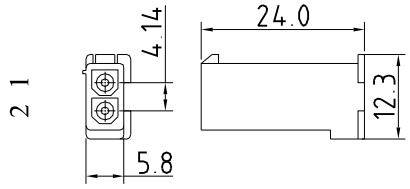
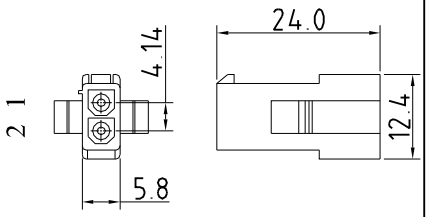
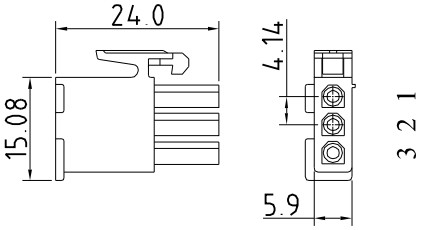
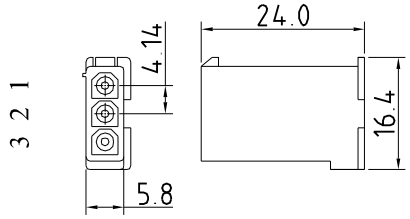
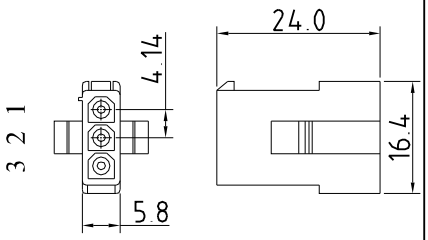
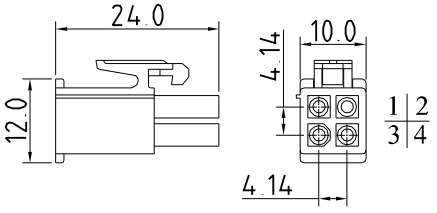
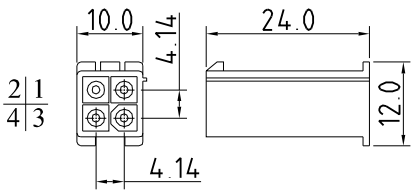
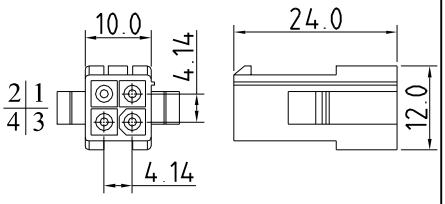
Features

Available Number of Circuits: 01 - 15

Material: Regular Thermoplastic 94V-2

Use with: TY1081H for TY1081 Crimp Terminal. TY1082H for TY1082 Crimp Terminal

Mates with : TY1081H for TY1082H

MALE HOUSING	FEMALE HOUSING	FEMALE HOUSING PANEL-MOUNT
 TY1081HNO-1x01	 TY1082HNO-1x01	
 TY1081HNO-1x02	 TY1082HNO-1x02	 TY1082HNO-1x02W
 TY1081HNO-1x03	 TY1082HNO-1x03	 TY1082HNO-1x03W
 TY1081HNO-2x02	 TY1082HNO-2x02	 TY1082HNO-2x02W

TY1081

TY1081/2 SERIES

4.14mm Pitch Wire To Wire Connector

Unit : mm

Housing

Male and Female

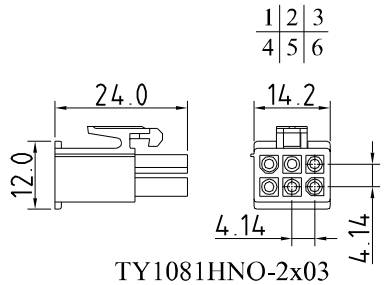
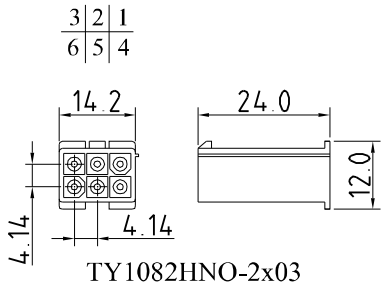
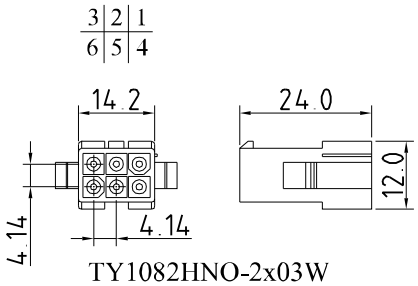
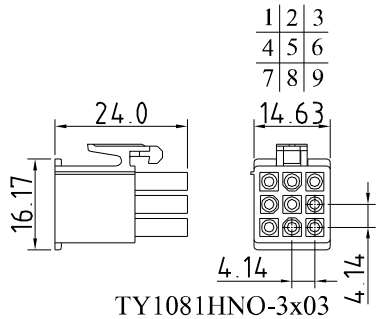
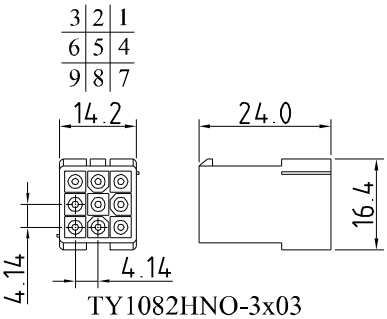
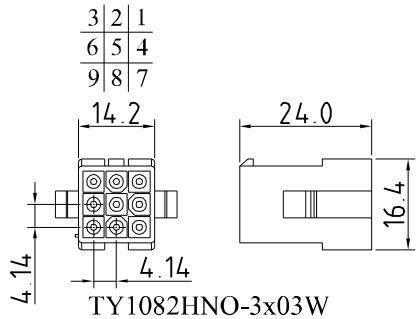
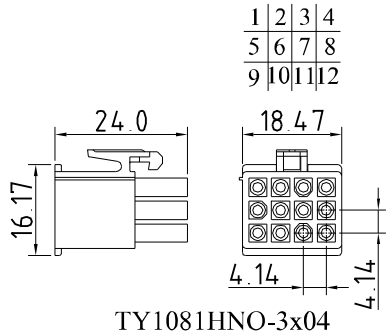
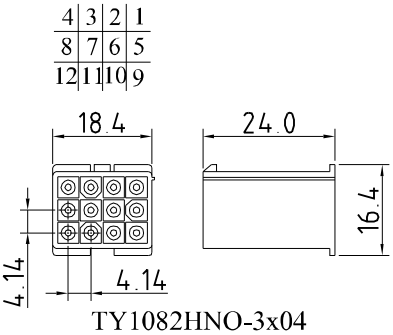
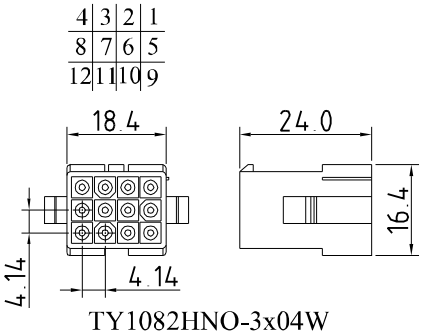
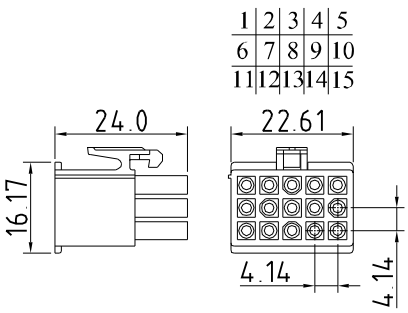
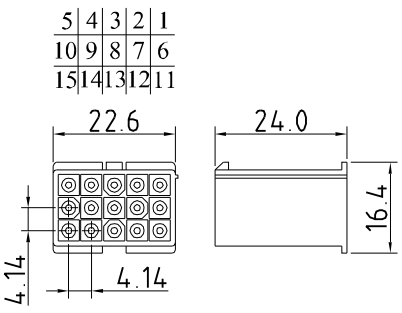
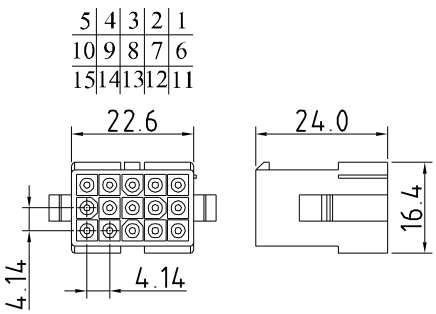
Features

Available Number of Circuits: 01 - 15

Material: Regular Thermoplastic 94V-0

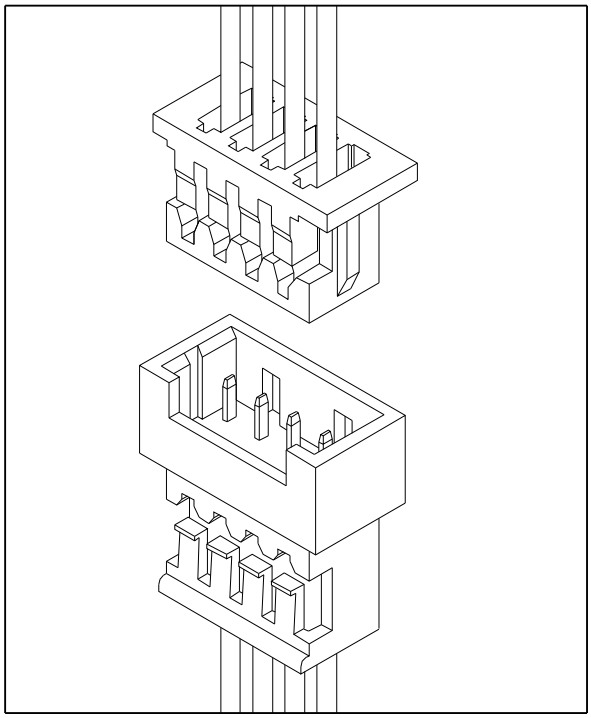
Use with: TY1081H for TY1081 Crimp Terminal , TY1082H for TY1082 Crimp Terminal

Mates with : TY1081H for TY1082H

MALE HOUSING	FEMALE HOUSING	FEMALE HOUSING PANEL-MOUNT
 TY1081HNO-2x03	 TY1082HNO-2x03	 TY1082HNO-2x03W
 TY1081HNO-3x03	 TY1082HNO-3x03	 TY1082HNO-3x03W
 TY1081HNO-3x04	 TY1082HNO-3x04	 TY1082HNO-3x04W
 TY1081HNO-3x05	 TY1082HNO-3x05	 TY1082HNO-3x05W

TY1252 SERIES

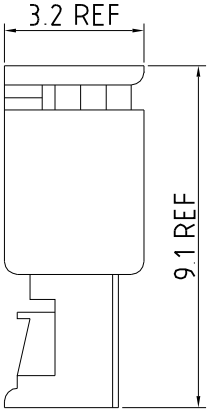
1.25mm Pitch Wire To Wire Connector



Specification

Circuits	02 - 15
Pitch	1.25mm
Current Rating	3A AC/DC (AWG#26) 2.3A AC/DC (AWG#28) 1A AC/DC (AWG#30~34)
Voltage Rating	100V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	250V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #28 - #34

Assembly Layout



TY1252 * - NP
① ② ③

① Part No. TY1252		
② Connection Type: HNO : Terminal Socket		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TY1252 SERIES

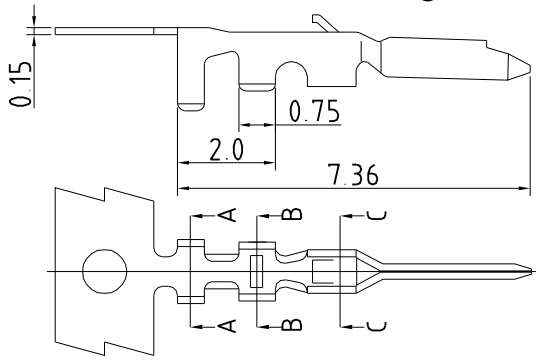
1.25mm Pitch Wire To Wire Connector

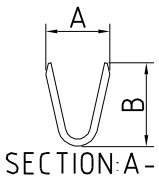
Unit : mm

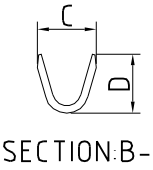
Terminal

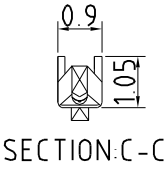
Features

Use with: TY1252 Series Housing









CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TY1252TPO-*	AWG #28-#32	1.00mm(MAX.)	1.3	1.7	1.2	1.2	Phosphor bronze	See note	15,000pcs
TY1252TPL-*	AWG #32-#34	0.80mm(MAX.)	1.2	1.1	1.1	0.9			

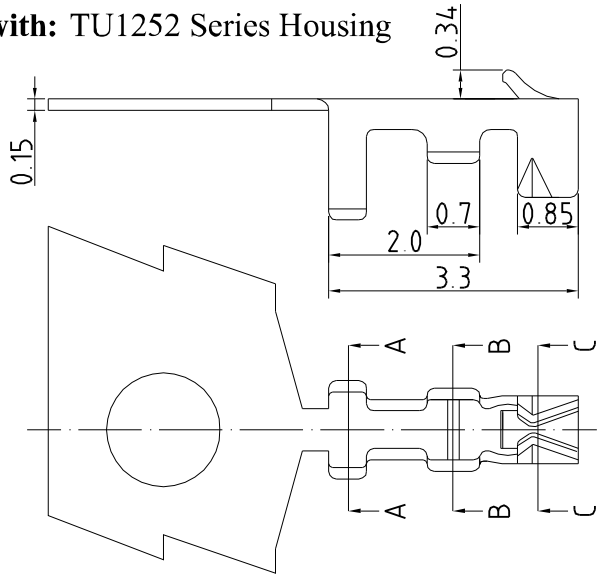
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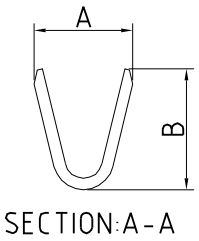
For this product in a different specification please contact TYU for more information

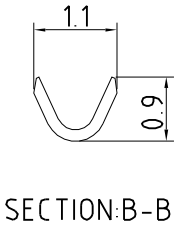
Terminal

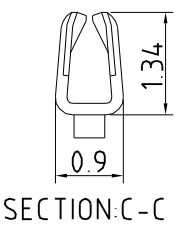
Features

Use with: TU1252 Series Housing









CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)		Material	Finish	Q'ty/Reel
			A	B			
TU1252TPL-*	AWG #32-#34	0.60mm(MAX.)	1.2	1.0	Phosphor bronze	See note	15,000pcs
TU1252TPO-*	AWG #28-#32	1.00mm(MAX.)	1.4	1.6			

Note:

For this product in a different specification please contact TYU for more information

TY1252 SERIES

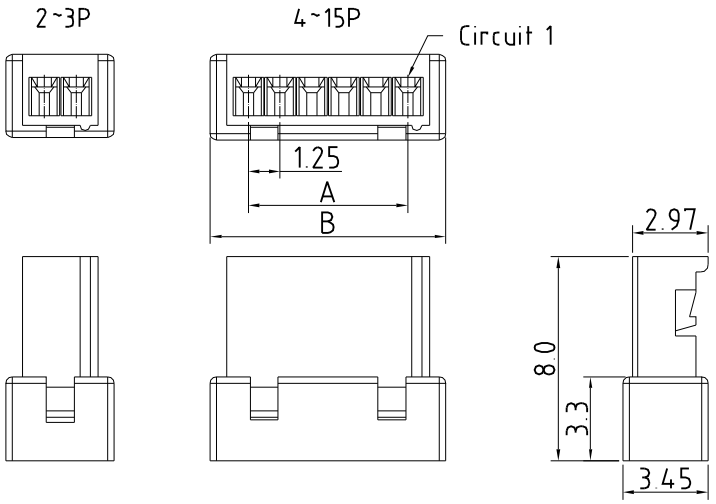
1.25mm Pitch Wire To Wire Connector

Unit : mm

Housing

Features

Available Number of Circuits: 02 - 15
Material: Regular Thermoplastic 94V-0
Use with: TY1252 Crimp Terminal
Mates with : TU1252 Series Housing



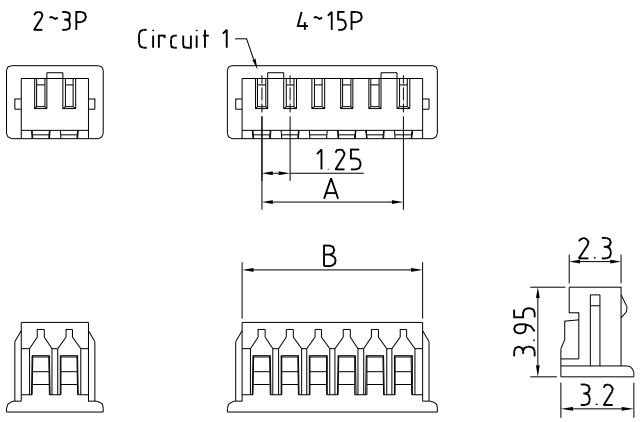
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY1252HNO-02-*	1.25	4.25
3	TY1252HNO-03-*	2.50	5.50
4	TY1252HNO-04-*	3.75	6.75
5	TY1252HNO-05-*	5.00	8.00
6	TY1252HNO-06-*	6.25	9.25
7	TY1252HNO-07-*	7.50	10.50
8	TY1252HNO-08-*	8.75	11.75
9	TY1252HNO-09-*	10.00	13.00
10	TY1252HNO-10-*	11.25	14.25
11	TY1252HNO-11-*	12.50	15.50
12	TY1252HNO-12-*	13.75	16.75
13	TY1252HNO-13-*	15.00	18.00
14	TY1252HNO-14-*	16.25	19.25
15	TY1252HNO-15-*	17.50	20.50

Housing

Features

Available Number of Circuits: 02 - 15
Material: Regular Thermoplastic 94V-0
Use with: TU1252 Crimp Terminal
Mates with : TY1252 Series Housing

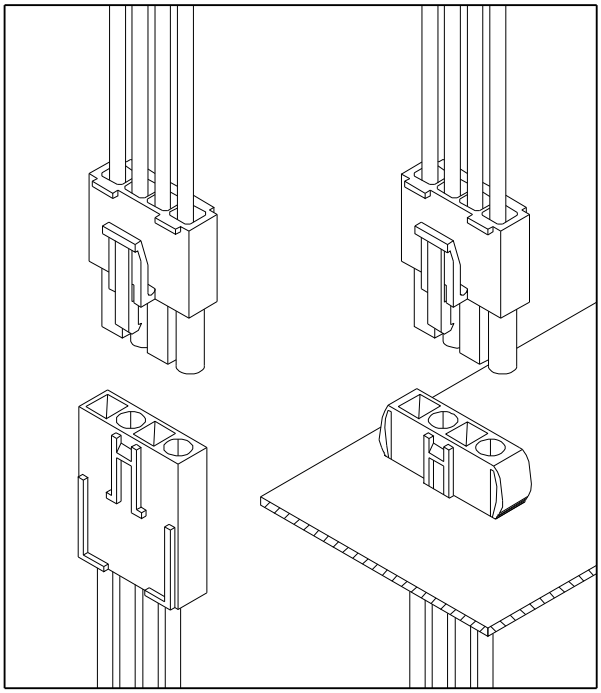


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1252HNO-02-*	1.25	2.95
3	TU1252HNO-03-*	2.50	4.20
4	TU1252HNO-04-*	3.75	5.45
5	TU1252HNO-05-*	5.00	6.70
6	TU1252HNO-06-*	6.25	7.95
7	TU1252HNO-07-*	7.50	9.20
8	TU1252HNO-08-*	8.75	10.45
9	TU1252HNO-09-*	10.00	11.70
10	TU1252HNO-10-*	11.25	12.95
11	TU1252HNO-11-*	12.50	14.20
12	TU1252HNO-12-*	13.75	15.45
13	TU1252HNO-13-*	15.00	16.70
14	TU1252HNO-14-*	16.25	17.95
15	TU1252HNO-15-*	17.50	19.20

TY1381/2 SERIES

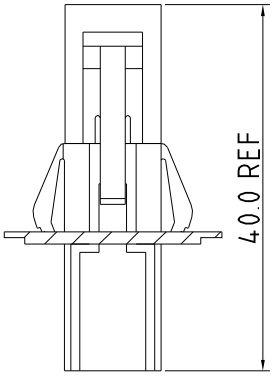
4.50mm Pitch Wire To Wire Connector



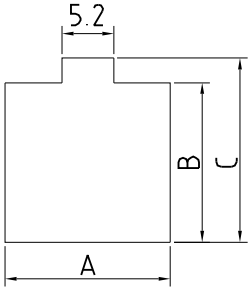
Specification

Circuits	02 - 15
Pitch	4.50mm
Current Rating	5A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	10mΩ MAX.
Withstand Voltage	1,500V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #20 - #24
Applicable P.C.B Thickness	0.8mm - 2.0mm

Assembly Layout



Panel Layout



Dimension and Order Information

Circuits	DIM.(mm)		
	A	B	C
1x2	15.00	6.00	6.85
1x3	19.70	6.00	6.85
1x4	24.20	6.00	6.85
2x2	15.60	10.60	11.60
2x3	19.70	10.20	11.10
3x3	19.70	14.80	15.70
3x4	24.20	14.80	15.70
3x5	28.70	14.80	15.70

TY1381 * - * x NP *
① ② ③ ④

TY1382 * - * x NP *
① ② ③ ④

① Part No. TY1381,2

② Connection Type:
HNO : Terminal Socket

③ Number of Contacts:
1xNP : Single Row
2xNP : Dual Row
3xNP : Triple Row

④ Mount Type
W : W-Type Housing

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TY1381/2 SERIES

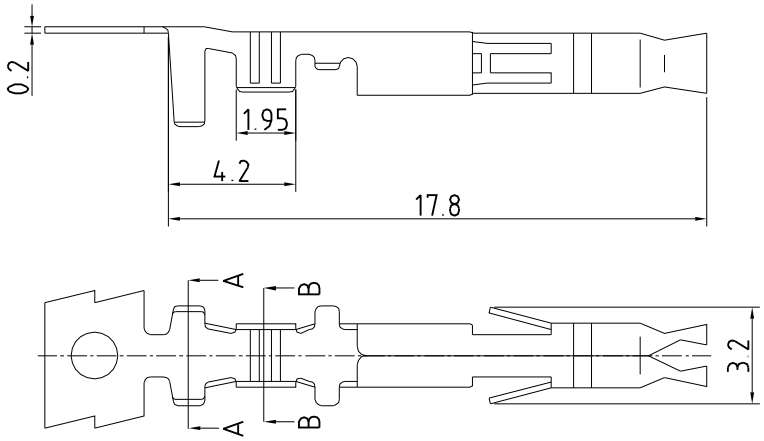
4.50mm Pitch Wire To Wire Connector

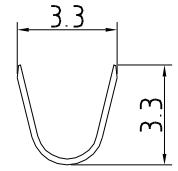
Unit : mm

Terminal Female

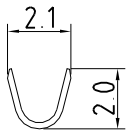
Features

Use with: TY1381 Series Male Housing





SECTION:A-A



SECTION:B-B

CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TY1381TBO-*	AWG #20-#24	2.70mm(MAX.)	Brass	See note	7,000 pcs
TY1381TPO-*			Phosphor bronze		

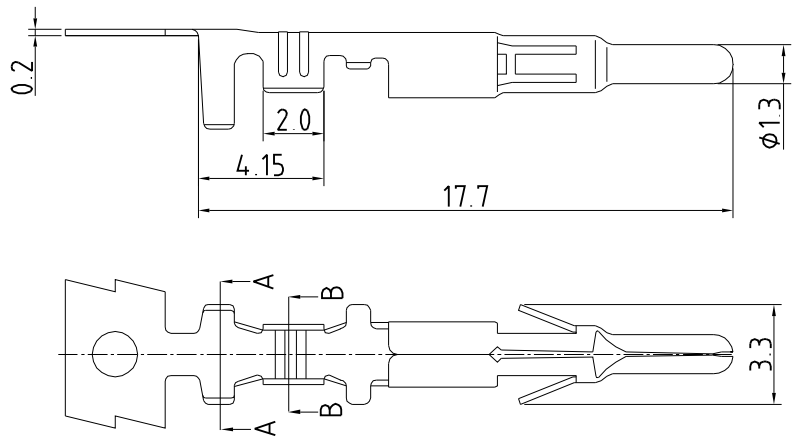
Note:

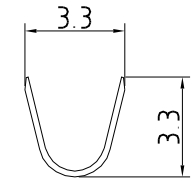
For this product in a different specification please contact TYU for more information

Terminal Male

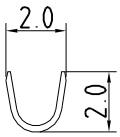
Features

Use with: TY1382 Series Female Housing





SECTION:A-A



SECTION:B-B

CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TY1382TBO-*	AWG #20-#24	2.70mm(MAX.)	Brass	See note	7,000 pcs

Note:

For this product in a different specification please contact TYU for more information

TY1381/2 SERIES

4.50mm Pitch Wire To Wire Connector

Unit : mm

Housing

Male and Female

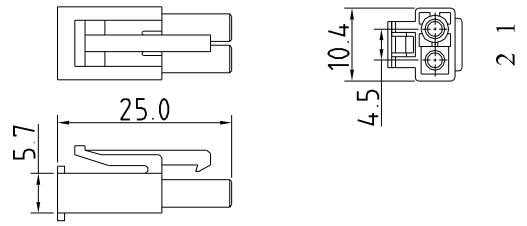
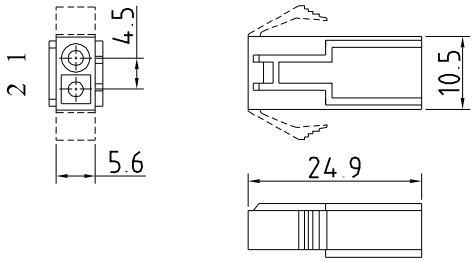
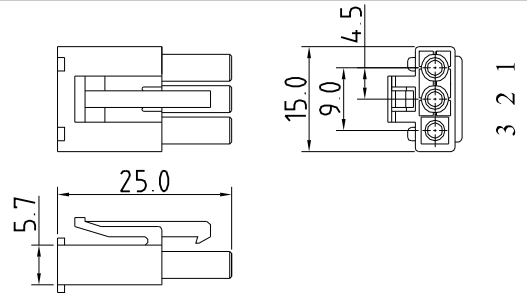
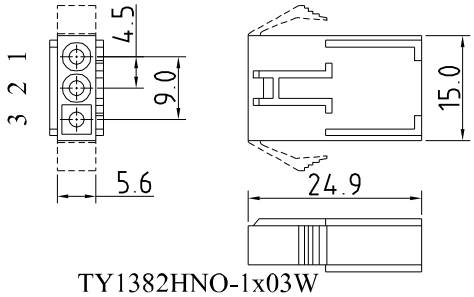
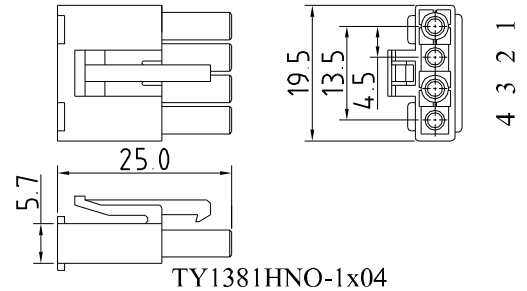
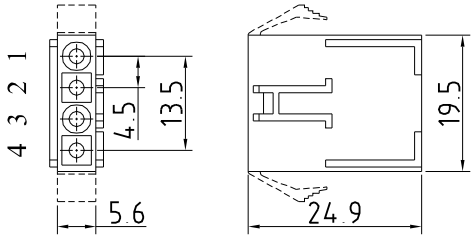
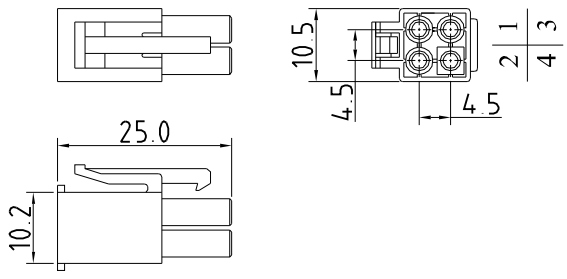
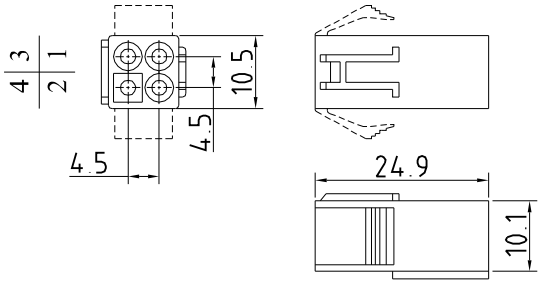
Features

Available Number of Circuits: 02 - 15

Material: Regular Thermoplastic 94V-0 or 94V-2

Use with: TY1381H for TY1381 Crimp Terminal , TY1382H for TY1382 Crimp Terminal

Mates with : TY1381H for TY1382H

MALE HOUSING	FEMALE HOUSING PANEL-MOUNT
 TY1381HNO-1x02	 TY1382HNO-1x02W WITHOUT EARS TY1382HNO-1x02
 TY1381HNO-1x03	 TY1382HNO-1x03W WITHOUT EARS TY1382HNO-1x03
 TY1381HNO-1x04	 TY1382HNO-1x04W WITHOUT EARS TY1382HNO-1x04
 TY1381HNO-2x02	 TY1382HNO-2x02W WITHOUT EARS TY1382HNO-2x02

TY1381

TY1381/2 SERIES

4.50mm Pitch Wire To Wire Connector

Unit : mm

Housing

Male and Female

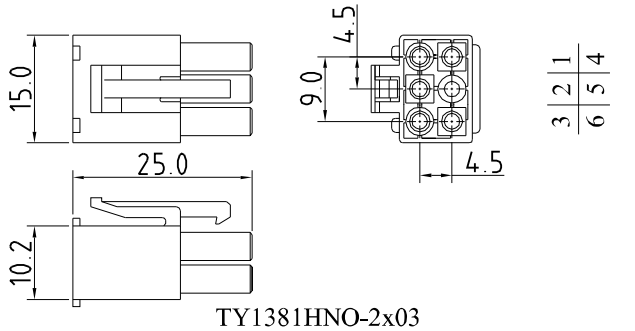
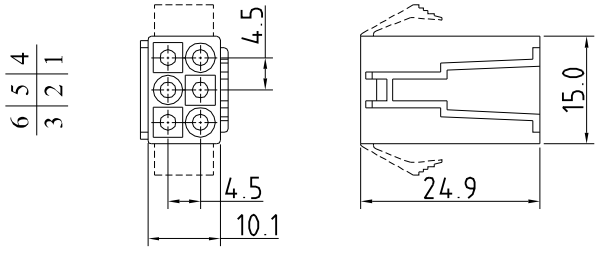
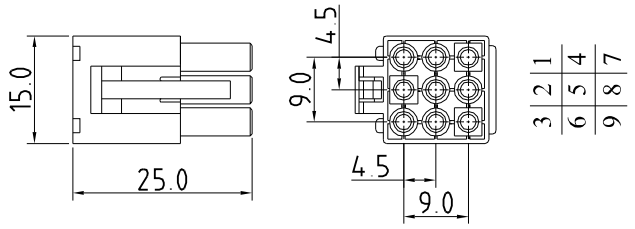
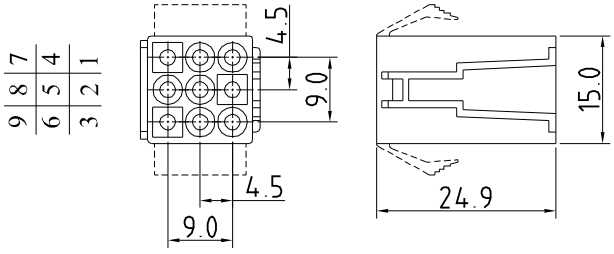
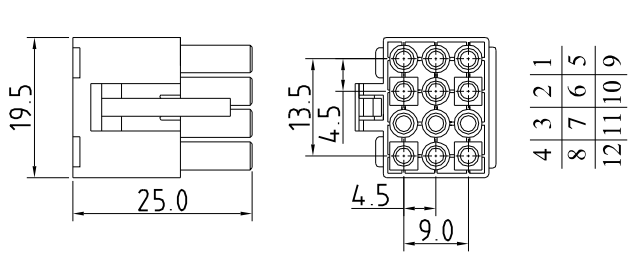
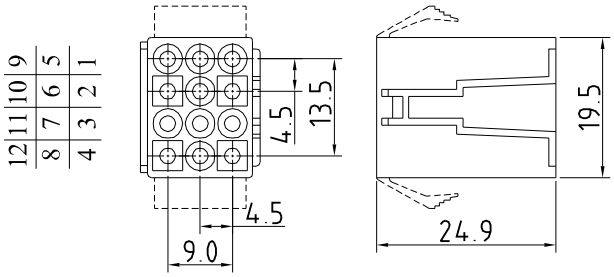
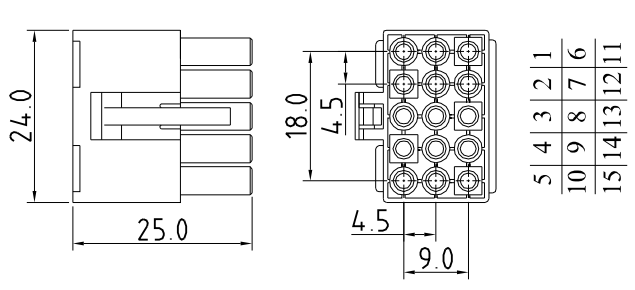
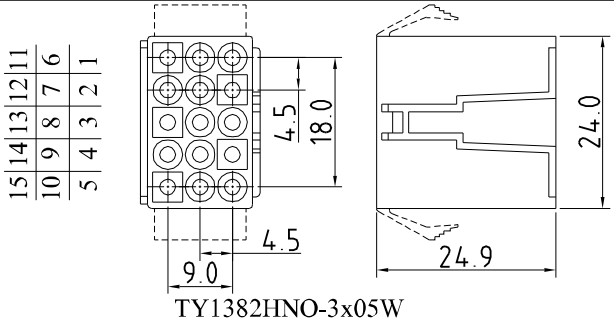
Features

Available Number of Circuits: 02 - 15

Material: Regular Thermoplastic 94V-0 or 94V-2

Use with: TY1381H for TY1381 Crimp Terminal , TY1382H for TY1382 Crimp Terminal

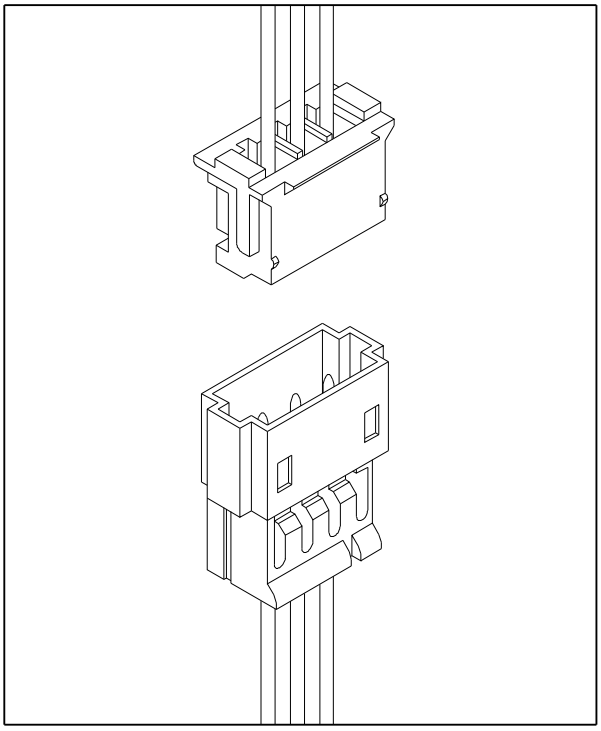
Mates with : TY1381H for TY1382H

MALE HOUSING	FEMALE HOUSING PANEL-MOUNT
 TY1381HNO-2x03	 TY1382HNO-2x03W WITHOUT EARS TY1382HNO-2x03
 TY1381HNO-3x03	 TY1382HNO-3x03W WITHOUT EARS TY1382HNO-3x03
 TY1381HNO-3x04	 TY1382HNO-3x04W WITHOUT EARS TY1382HNO-3x04
 TY1381HNO-3x05	 TY1382HNO-3x05W WITHOUT EARS TY1382HNO-3x05

TY1381

TY1501 SERIES

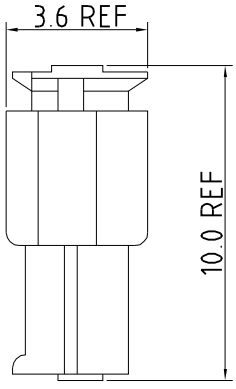
1.50mm Pitch Wire To Wire Connector



Specification

Circuits	02 - 13
Pitch	1.50mm
Current Rating	1A AC/DC
Voltage Rating	50V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #26 - #32

Assembly Layout



TY1501 * - NP
① ② ③

① Part No. TY1501		
② Connection Type: HNO : Terminal Socket		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TY1501 SERIES

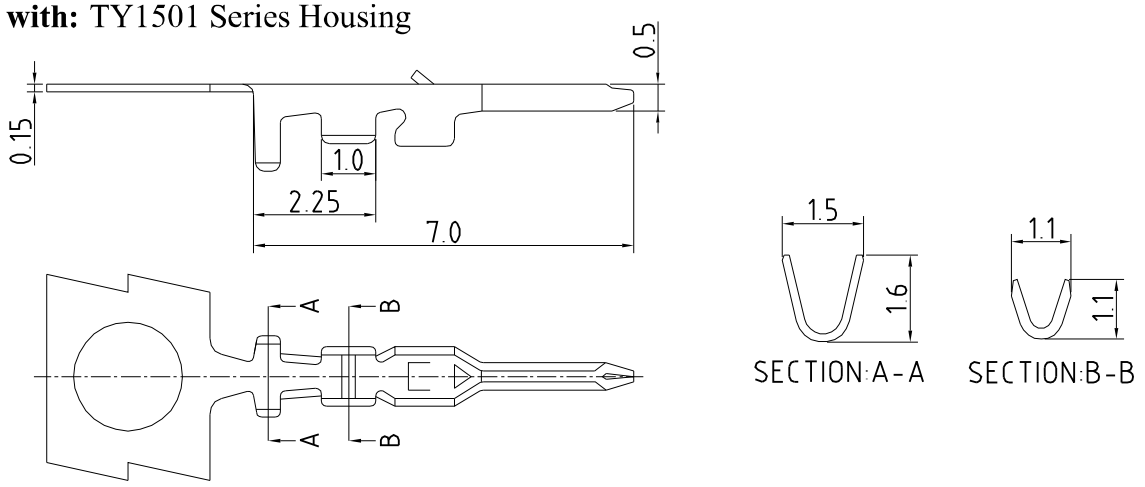
1.50mm Pitch Wire To Wire Connector

Unit : mm

Terminal

Features

Use with: TY1501 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TY1501TPO-*	AWG #28-#32	0.9mm(MAX.)	Phosphor bronze	See note	15,000 pcs

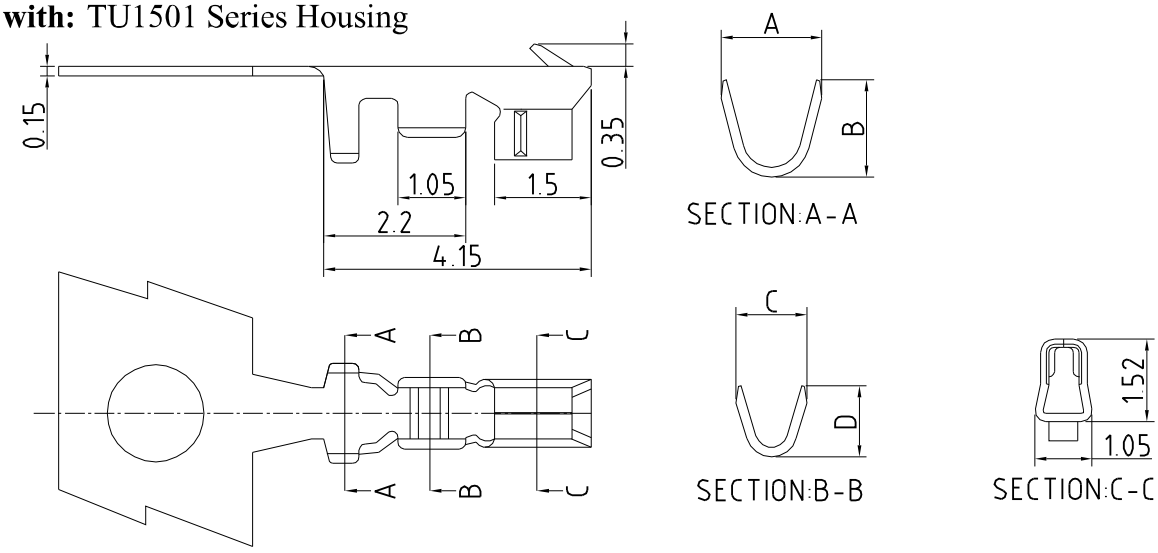
Note:

For this product in a different specification please contact TYU for more information

Terminal

Features

Use with: TU1501 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TU1501TPO-*	AWG #28-#32	0.9mm(MAX.)	1.55	1.50	1.10	1.10	Phosphor bronze	See note	10,000 pcs
TU1501TPH-*	AWG #26-#28	1.1mm(MAX.)	1.70	1.80	1.25	1.20			

Note:

For this product in a different specification please contact TYU for more information

TY1501 SERIES

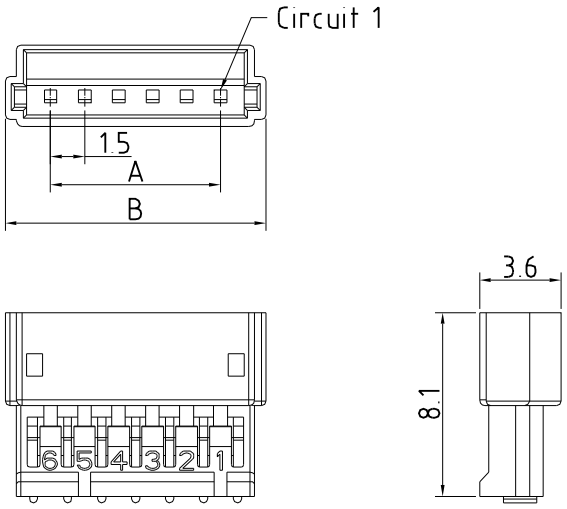
1.50mm Pitch Wire To Wire Connector

Unit : mm

Housing

Features

Available Number of Circuits: 02 - 13
Material: Regular Thermoplastic 94V-0
Use with: TY1501 Crimp Terminal
Mates with : TU1501 Series Housing



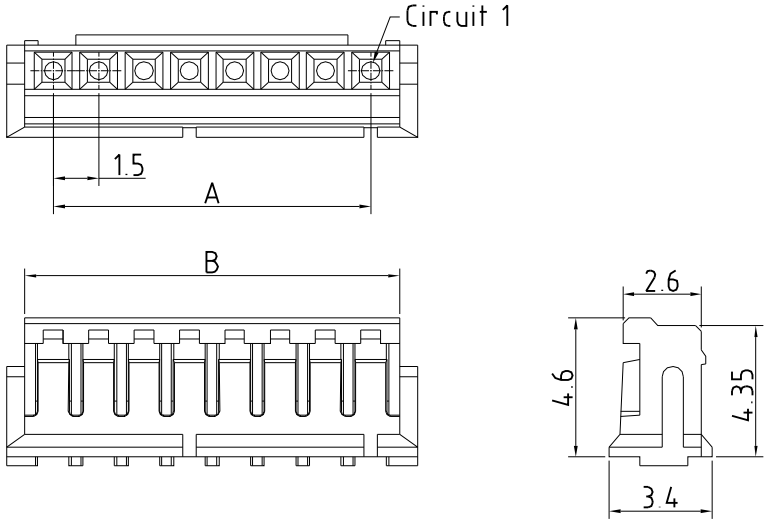
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY1501HNO-02-*	1.50	5.50
3	TY1501HNO-03-*	3.00	7.00
4	TY1501HNO-04-*	4.50	8.50
5	TY1501HNO-05-*	6.00	10.00
6	TY1501HNO-06-*	7.50	11.50
7	TY1501HNO-07-*	9.00	13.00
8	TY1501HNO-08-*	10.50	14.50
9	TY1501HNO-09-*	12.00	16.00
10	TY1501HNO-10-*	13.50	17.50
11	TY1501HNO-11-*	15.00	19.00
12	TY1501HNO-12-*	16.50	20.50
13	TY1501HNO-13-*	18.00	22.00

Housing

Features

Available Number of Circuits: 02 - 15
Material: Regular Thermoplastic 94V-0
Use with: TU1501 Crimp Terminal
Mates with : TY1501 Female Housing

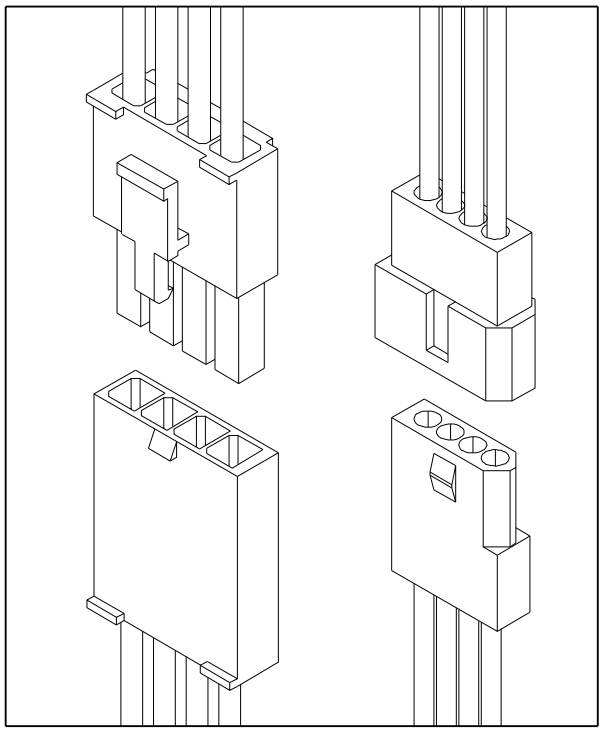


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU1501HNO-02	1.50	3.30
3	TU1501HNO-03	3.00	4.80
4	TU1501HNO-04	4.50	6.30
5	TU1501HNO-05	6.00	7.80
6	TU1501HNO-06	7.50	9.30
7	TU1501HNO-07	9.00	10.80
8	TU1501HNO-08	10.50	12.30
9	TU1501HNO-09	12.00	13.80
10	TU1501HNO-10	13.50	15.30
11	TU1501HNO-11	15.00	16.80
12	TU1501HNO-12	16.50	18.30
13	TU1501HNO-13	18.00	19.80
14	TU1501HNO-14	19.50	21.30
15	TU1501HNO-15	21.00	22.80

TY1581/2 SERIES

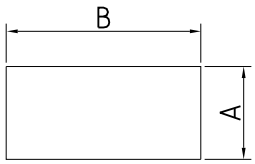
3.68 or 4.80mm Pitch Wire To Wire Connector



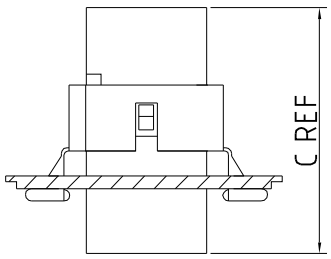
Specification

Circuits	01 - 15
Pitch	3.68 or 4.80mm
Current Rating	5A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	10mΩ MAX.
Withstand Voltage	1,500V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #20 - #24
Applicable P.C.B Thickness	1.52mm (MAX.)

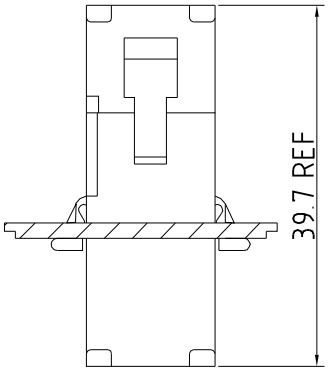
Panel Layout



Assembly Layout



L-Type



Dimension and Order Information

TY1581HNO-NPW				TY1582HNO-NPW			
Circuits	DIM.(mm)			Circuits	DIM.(mm)		
	A	B	C		A	B	C
1x1			30.7	1x1			30.7
1x2	6.73	12.83	32.6	1x2	8.08	15.47	32.6
1x3	6.73	16.51	31.6	1x3	8.08	19.15	31.6
1x4	6.60	19.94	31.6	1x4	7.92	21.97	31.6
1x5	6.73	23.88	30.7	1x5	8.08	26.52	30.7
2x2	10.16	12.85	30.7	2x2	11.80	15.62	30.7
2x3	12.84	14.02	30.7	2x3	15.42	15.62	30.7
3x3	14.02	16.51	32.6	3x3	15.62	19.10	32.6
3x4	14.30	20.19	32.6	3x4	15.60	22.94	32.6
3x5	14.45	23.62	32.6	3x5	15.75	26.21	32.6

TY1581 * - * x NP *
① ② ③ ④

TY1582 * - * x NP *
① ② ③ ④

① Part No. TY1581,2

② Connection Type:
HNO : Terminal Socket

③ Number of Contacts:
1xNP : Single Row
2xNP : Dual Row
3xNP : Triple Row

④ Mount Type
W : W-Type Housing
LW : LW-Type Housing

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TY1581/2 SERIES

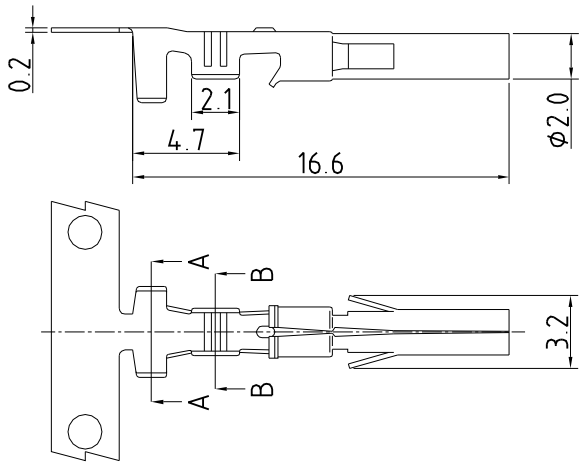
3.68 or 4.80mm Pitch Wire To Wire Connector

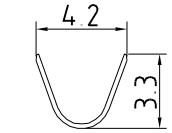
Unit : mm

Terminal Female

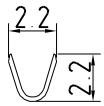
Features

Use with: TY1581 Series Male Housing





SECTION:A-A



SECTION:B-B

CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TY1581TBO-*	AWG #20-#24	3.00mm(MAX.)	Brass	See note	7,000 pcs
TY1581TPO-*			Phosphor bronze		

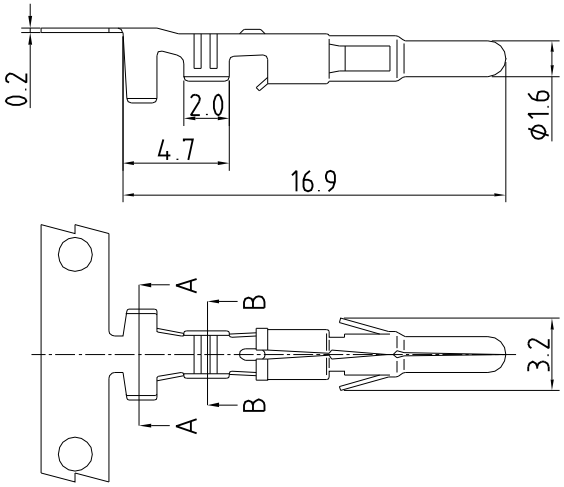
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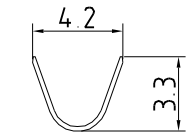
For this product in a different specification please contact TYU for more information

Terminal Male

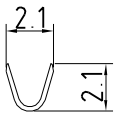
Features

Use with: TY1582 Series Female Housing





SECTION:A-A



SECTION:B-B

CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TY1582TBO-*	AWG #20-#24	3.00mm(MAX.)	Brass	See note	7,000 pcs

Note:

For this product in a different specification please contact TYU for more information

TY1581/2 SERIES

3.68mm Pitch Wire To Wire Connector

Unit : mm

Housing

Pitch 3.68mm Male and Female

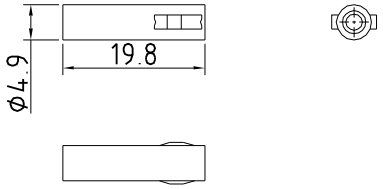
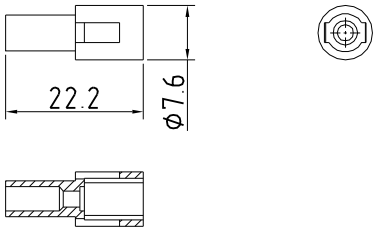
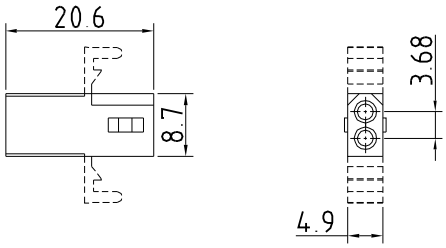
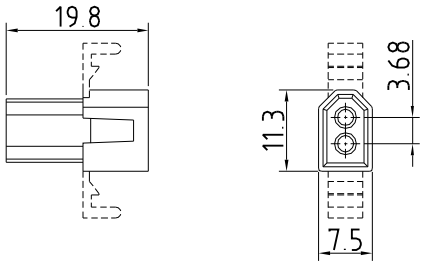
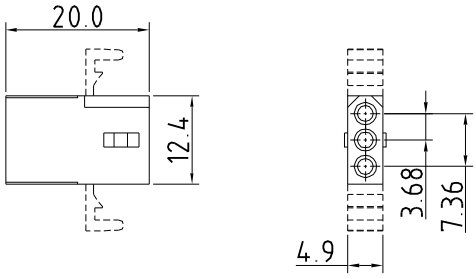
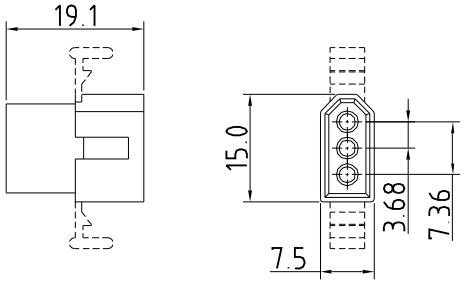
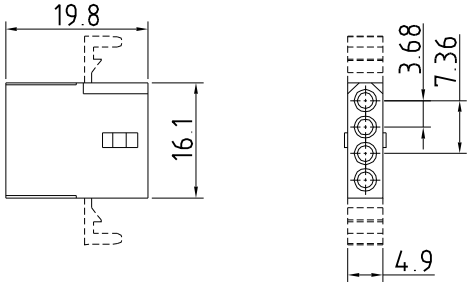
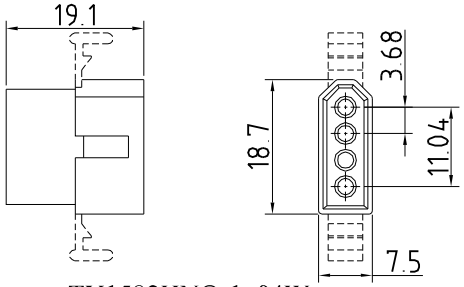
Features

Available Number of Circuits: 01 - 15

Material: Regular Thermoplastic 94V-2

Use with: TY1581H for TY1581 Crimp Terminal , TY1582H for TY1582 Crimp Terminal

Mates with : TY1581H for TY1582H

MALE HOUSING PITCH 3.68mm	FEMALE HOUSING PITCH 3.68mm
 TY1581HNO-1x01	 TY1582HNO-1x01
 TY1581HNO-1x02W WITHOUT EARS TY1581HNO-1x02	 TY1582HNO-1x02W WITHOUT EARS TY1582HNO-1x02
 TY1581HNO-1x03W WITHOUT EARS TY1581HNO-1x03	 TY1582HNO-1x03W WITHOUT EARS TY1582HNO-1x03
 TY1581HNO-1x04W WITHOUT EARS TY1581HNO-1x04	 TY1582HNO-1x04W WITHOUT EARS TY1582HNO-1x04

TY1581/2 SERIES

3.68mm Pitch Wire To Wire Connector

Unit : mm

Housing

Pitch 3.68mm Male and Female

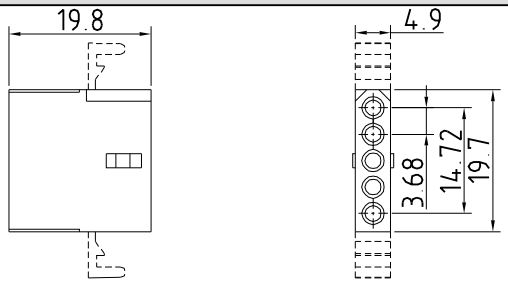
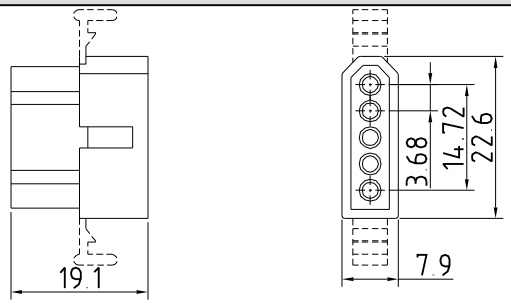
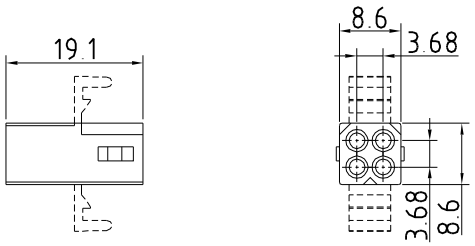
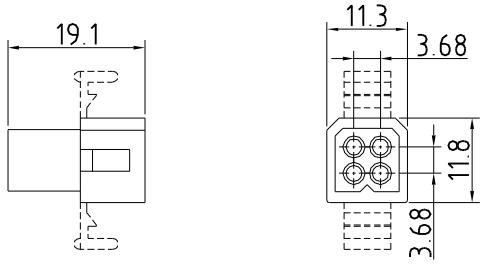
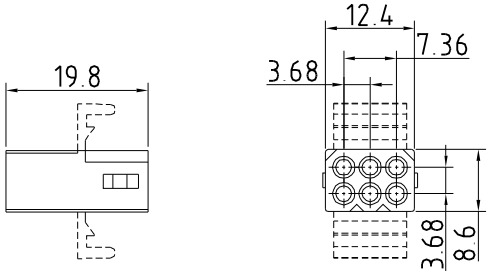
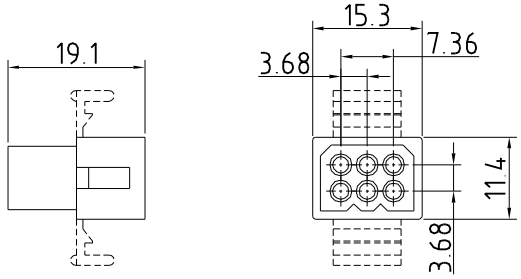
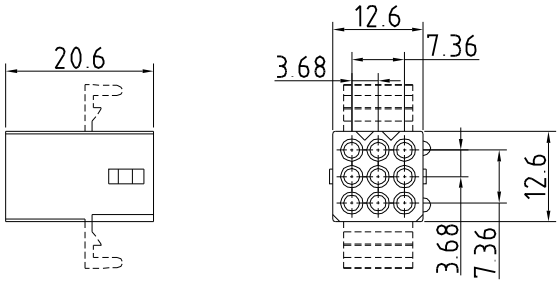
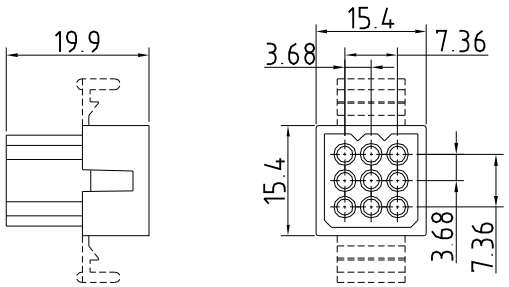
Features

Available Number of Circuits: 01 - 15

Material: Regular Thermoplastic 94V-2

Use with: TY1581H for TY1581 Crimp Terminal , TY1582H for TY1582 Crimp Terminal

Mates with : TY1581H for TY1582H

MALE HOUSING PITCH 3.68mm	FEMALE HOUSING PITCH 3.68mm
 TY1581HNO-1x05W WITHOUT EARS TY1581HNO-1x05	 TY1582HNO-1x05W WITHOUT EARS TY1582HNO-1x05
 TY1581HNO-2x02W WITHOUT EARS TY1581HNO-2x02	 TY1582HNO-2x02W WITHOUT EARS TY1582HNO-2x02
 TY1581HNO-2x03W WITHOUT EARS TY1581HNO-2x03	 TY1582HNO-2x03W WITHOUT EARS TY1582HNO-2x03
 TY1581HNO-3x03W WITHOUT EARS TY1581HNO-3x03	 TY1582HNO-3x03W WITHOUT EARS TY1582HNO-3x03

TY1581/2 SERIES

3.68mm Pitch Wire To Wire Connector

Unit : mm

Housing

Pitch 3.68mm Male and Female

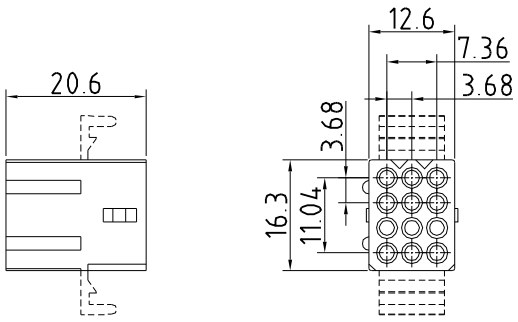
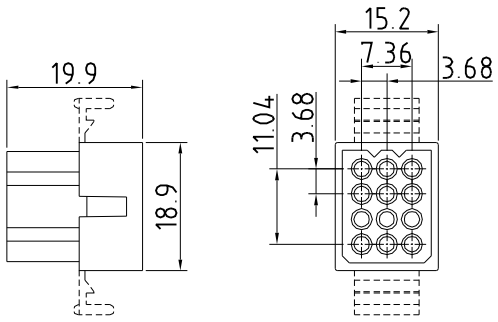
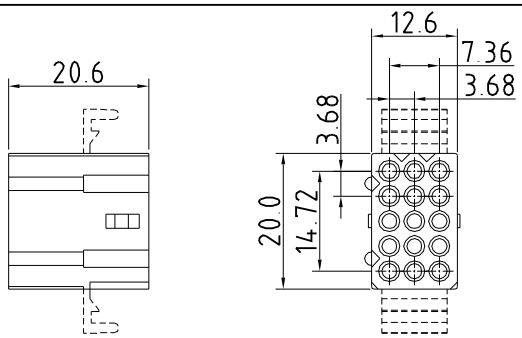
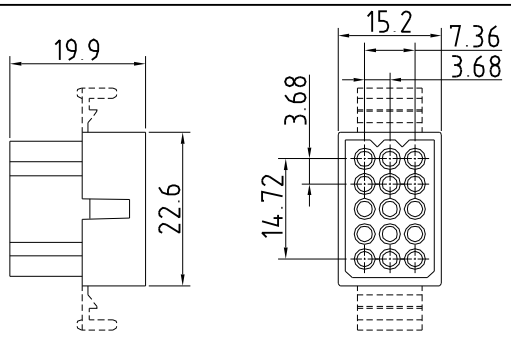
Features

Available Number of Circuits: 01 - 15

Material: Regular Thermoplastic 94V-2

Use with: TY1581H for TY1581 Crimp Terminal , TY1582H for TY1582 Crimp Terminal

Mates with : TY1581H for TY1582H

MALE HOUSING PITCH 3.68mm	FEMALE HOUSING PITCH 3.68mm
 TY1581HNO-3x04W WITHOUT EARS TY1581HNO-3x04	 TY1582HNO-3x04W WITHOUT EARS TY1582HNO-3x04
 TY1581HNO-3x05W WITHOUT EARS TY1581HNO-3x05	 TY1582HNO-3x05W WITHOUT EARS TY1582HNO-3x05

TY1581

TY1581/2 SERIES

4.80mm Pitch Wire To Wire Connector

Unit : mm

Housing

Pitch 4.80mm Male and Female

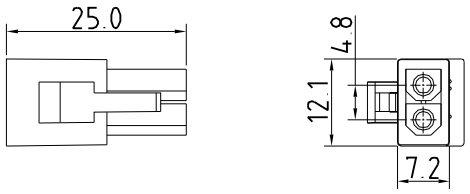
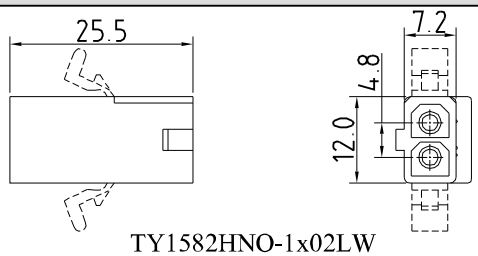
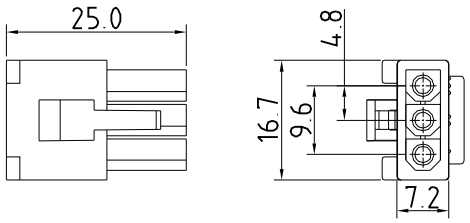
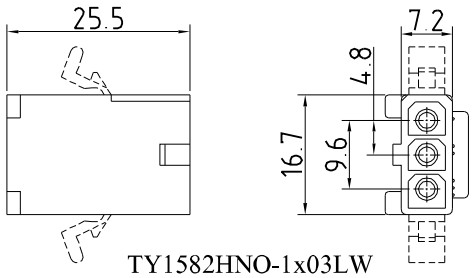
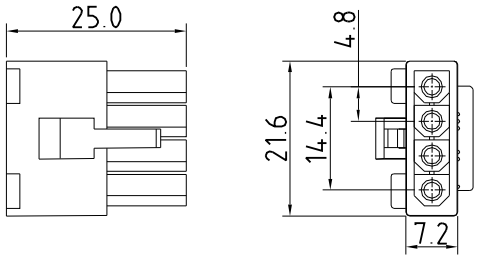
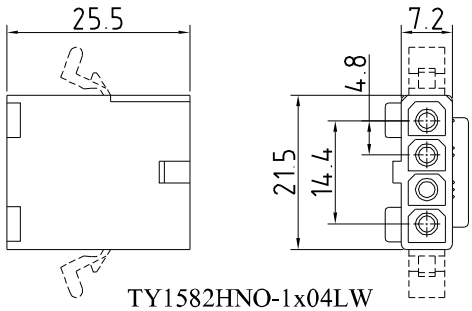
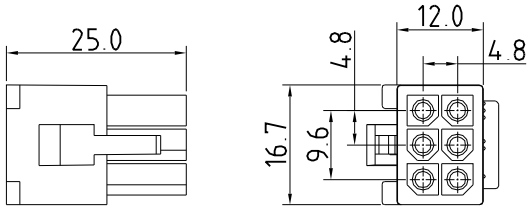
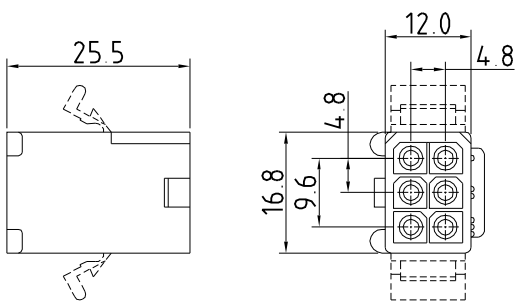
Features

Available Number of Circuits: 02 - 15

Material: Regular Thermoplastic 94V-2

Use with: TY1581HL for TY1581 Crimp Terminal , TY1582HL for TY1582 Crimp Terminal

Mates with : TY1581HL for TY1582HL Female Housing , TY1582HL for TY1581HL Male Housing

MALE HOUSING PITCH 4.8mm	FEMALE HOUSING PITCH 4.8mm
 TY1581HNO-1x02L	 TY1582HNO-1x02LW WITHOUT EARS TY1582HNO-1x02L
 TY1581HNO-1x03L	 TY1582HNO-1x03LW WITHOUT EARS TY1582HNO-1x03L
 TY1581HNO-1x04L	 TY1582HNO-1x04LW WITHOUT EARS TY1582HNO-1x04L
 TY1581HNO-2x03L	 TY1582HNO-2x03LW WITHOUT EARS TY1582HNO-2x03L

TY1581

TY1581/2 SERIES

4.80mm Pitch Wire To Wire Connector

Unit : mm

Housing

Pitch 4.80mm Male and Female

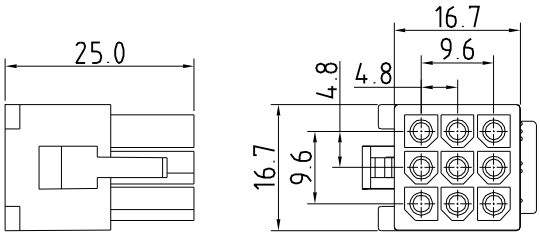
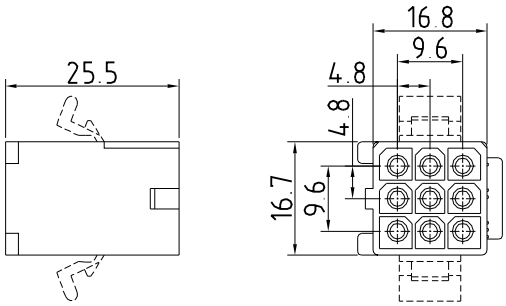
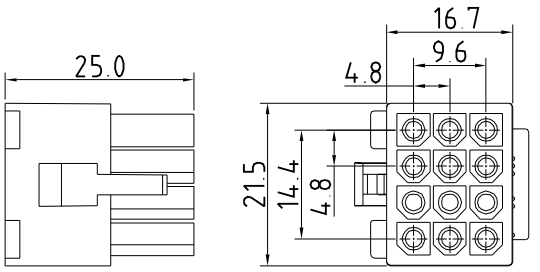
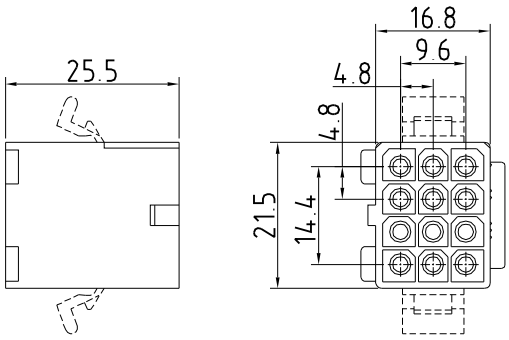
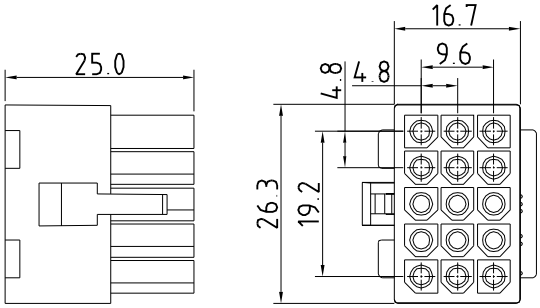
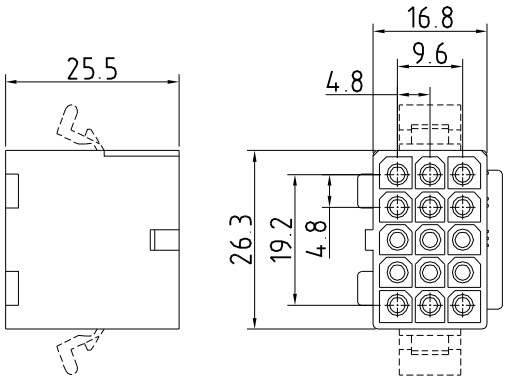
Features

Available Number of Circuits: 02 - 15

Material: Regular Thermoplastic 94V-2

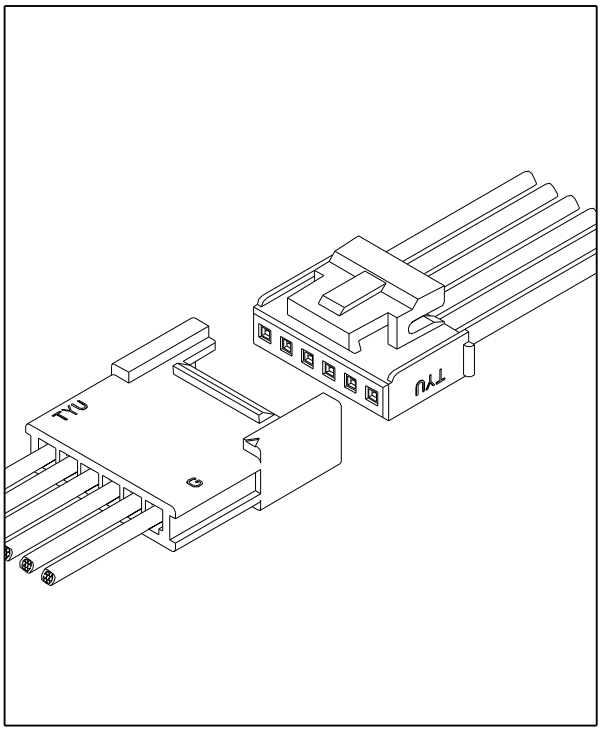
Use with: TY1581HL for TY1581 Crimp Terminal , TY1582HL for TY1582 Crimp Terminal

Mates with : TY1581HL for TY1582HL

MALE HOUSING PITCH 4.8mm	FEMALE HOUSING PITCH 4.8mm
 TY1581HNO-3x03L	 TY1582HNO-3x03LW WITHOUT EARS TY1582HNO-3x03L
 TY1581HNO-3x04L	 TY1582HNO-3x04LW WITHOUT EARS TY1582HNO-3x04L
 TY1581HNO-3x05L	 TY1582HNO-3x05LW WITHOUT EARS TY1582HNO-3x05L

TY2008 SERIES

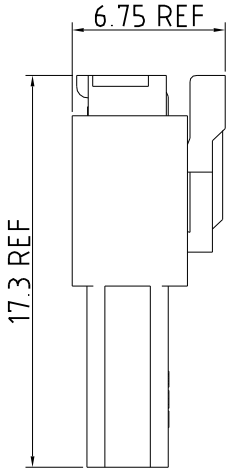
2.00mm Pitch Wire To Wire Connector



Specification

Circuits	02 - 12
Pitch	2.00mm
Current Rating	3A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	1000V AC/minute
Insulation Resistance	800MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #22 - #28

Assembly Layout



TY2008 * - NP
① ② ③

① Part No. TY2008		
② Connection Type: HNO : Terminal Socket		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TY2008 SERIES

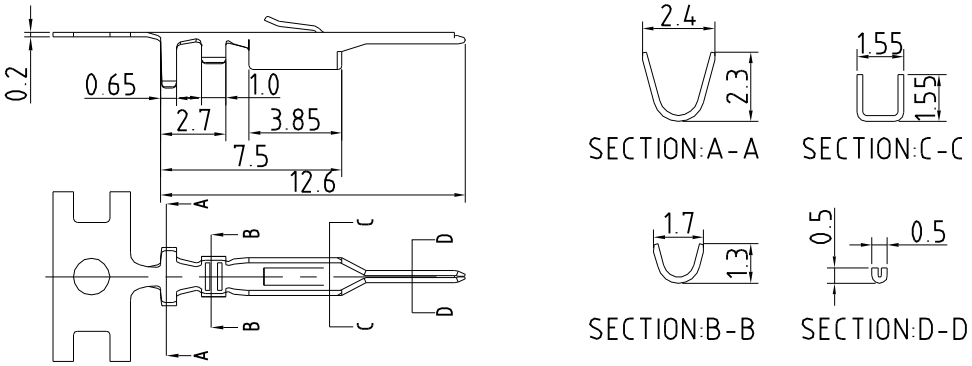
2.00mm Pitch Wire To Wire Connector

Unit : mm

Terminal

Features

Use with: TY2008 or TY2018 or TY2028 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TY2008TBO-*-*	AWG #22-#28	1.60mm(MAX.)	Brass	See note	10,000 pcs

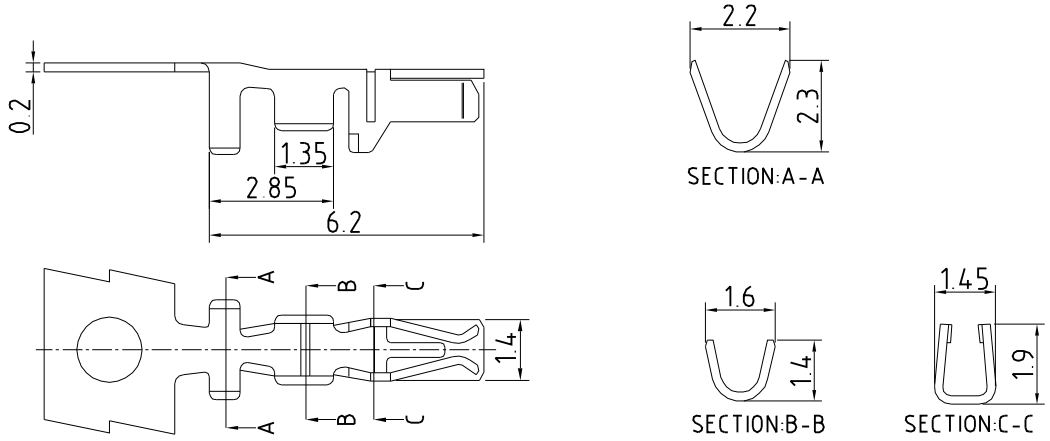
Note:

For this product in a different specification please contact TYU for more information

Terminal

Features

Use with: TU2008 or TU2028 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU2008TPO-*	AWG #24-#28	1.40mm(MAX.)	Phosphor bronze	See note	10,000 pcs

Note:

For this product in a different specification please contact TYU for more information

TU2008 SERIES

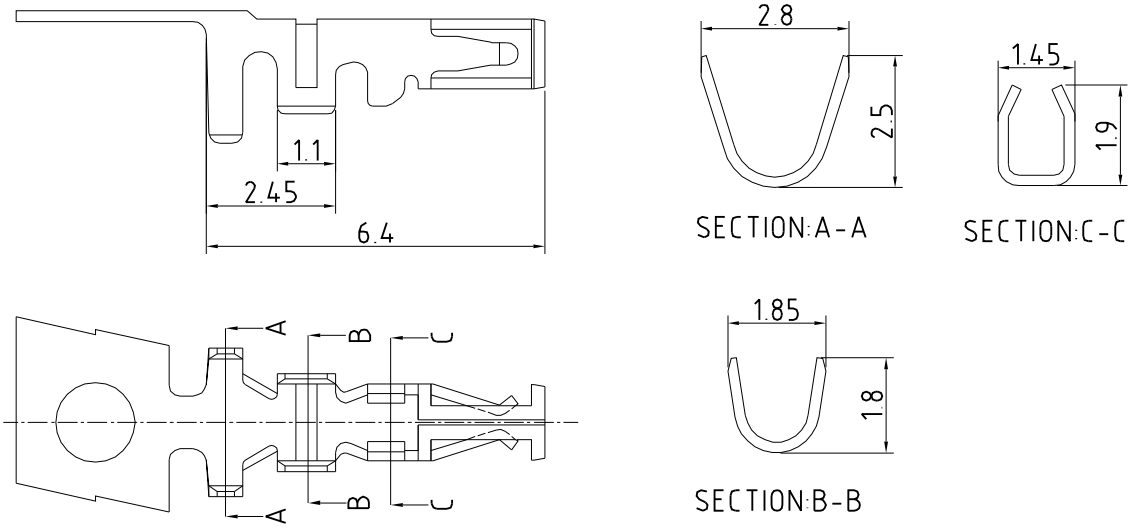
2.00mm Pitch Wire To Board Connector

Unit : mm

Terminal

Features

Use with: TU2008 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU2008TPO-2*	AWG #22-#28	1.50mm(MAX.)	Phosphor bronze	See note	10,000 pcs

Note:
For this product in a different specification please contact TYU for more information

TY2008 SERIES

2.00mm Pitch Wire To Wire Connector

Housing

Unit : mm

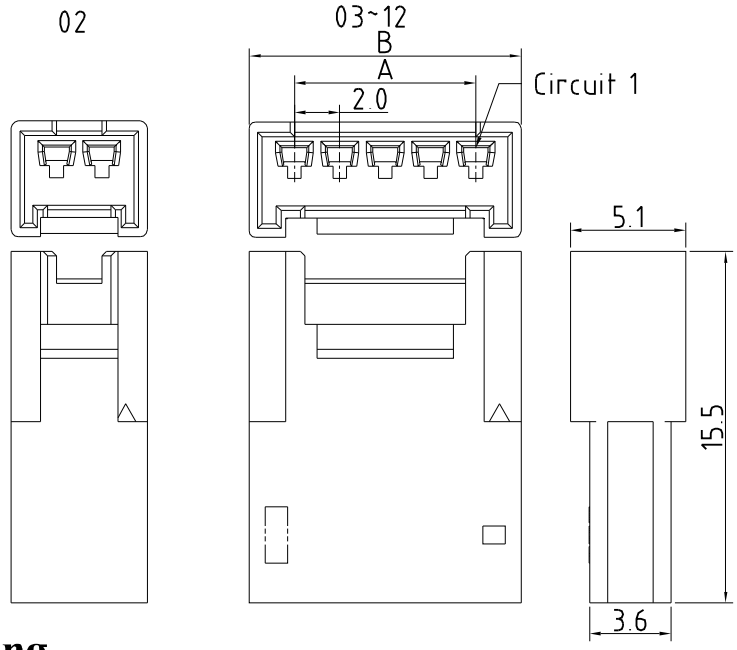
Features

Available Number of Circuits: 02 - 12

Material: Regular Thermoplastic 94V-0

Use with: TY2008 Crimp Terminal

Mates with : TU2008 Series Housing



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY2008HNO-02	2.00	6.00
3	TY2008HNO-03	4.00	8.00
4	TY2008HNO-04	6.00	10.00
5	TY2008HNO-05	8.00	12.00
6	TY2008HNO-06	10.00	14.00
7	TY2008HNO-07	12.00	16.50
8	TY2008HNO-08	14.00	18.00
9	TY2008HNO-09	16.00	20.00
10	TY2008HNO-10	18.00	22.00
11	TY2008HNO-11	20.00	24.00
12	TY2008HNO-12	22.22	26.00

Housing

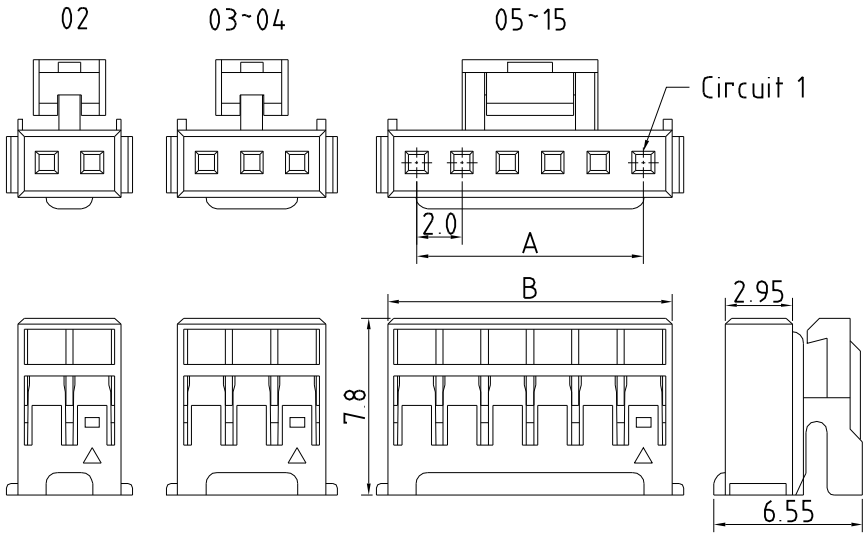
Features

Available Number of Circuits: 02 - 16

Material: Regular Thermoplastic 94V-0

Use with: TU2008 Crimp Terminal

Mates with : TY2008 Series Housing or TU2008 Series Wafer

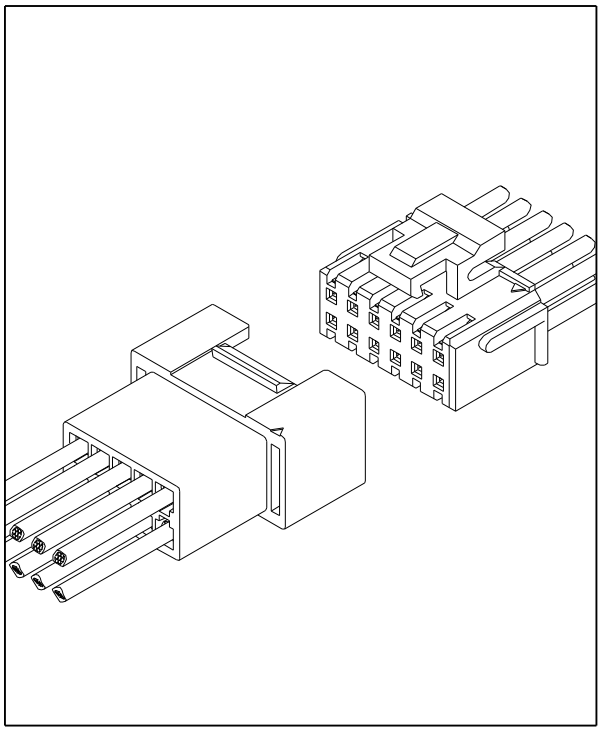


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2008HNO-02	2.00	4.60
3	TU2008HNO-03	4.00	6.60
4	TU2008HNO-04	6.00	8.60
5	TU2008HNO-05	8.00	10.60
6	TU2008HNO-06	10.00	12.60
7	TU2008HNO-07	12.00	14.60
8	TU2008HNO-08	14.00	16.60
9	TU2008HNO-09	16.00	18.60
10	TU2008HNO-10	18.00	20.60
11	TU2008HNO-11	20.00	22.60
12	TU2008HNO-12	22.00	24.60
13	TU2008HNO-13	24.00	26.60
14	TU2008HNO-14	26.00	28.60
15	TU2008HNO-15	28.00	30.60
16	TU2008HNO-16	30.00	32.60

TY2018 SERIES

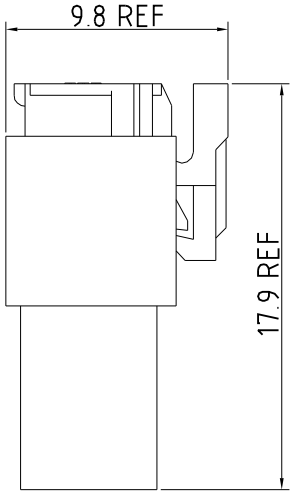
2.00mm Pitch Wire To Wire Connector



Specification

Circuits	2x02 - 2x20
Pitch	2.00mm
Current Rating	3A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	1000V AC/minute
Insulation Resistance	1000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #22 - #28

Assembly Layout



TY2018 * - *xNP
① ② ③

① Part No. TY2018		
② Connection Type: HNO : Terminal Socket		
③ Number of Contacts: 2xNP : Dual row		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TY2018 SERIES

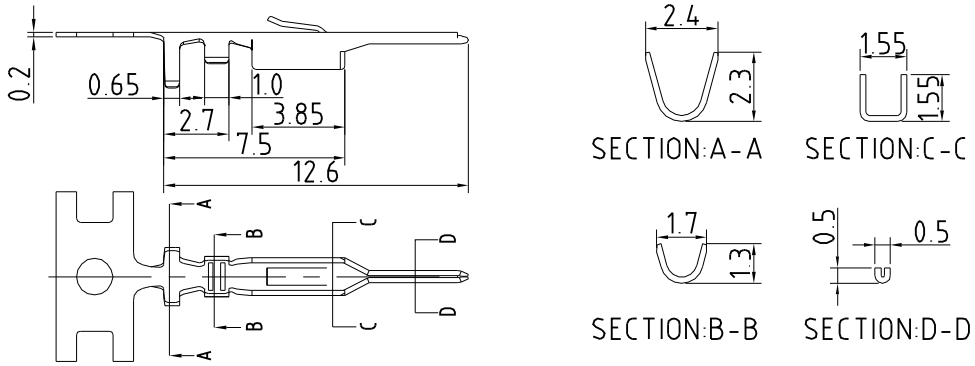
2.00mm Pitch Wire To Wire Connector

Unit : mm

Terminal

Features

Use with: TY2008 or TY2018 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TY2008TBO-*-*	AWG #22-#28	1.60mm(MAX.)	Brass	See note	10,000 pcs

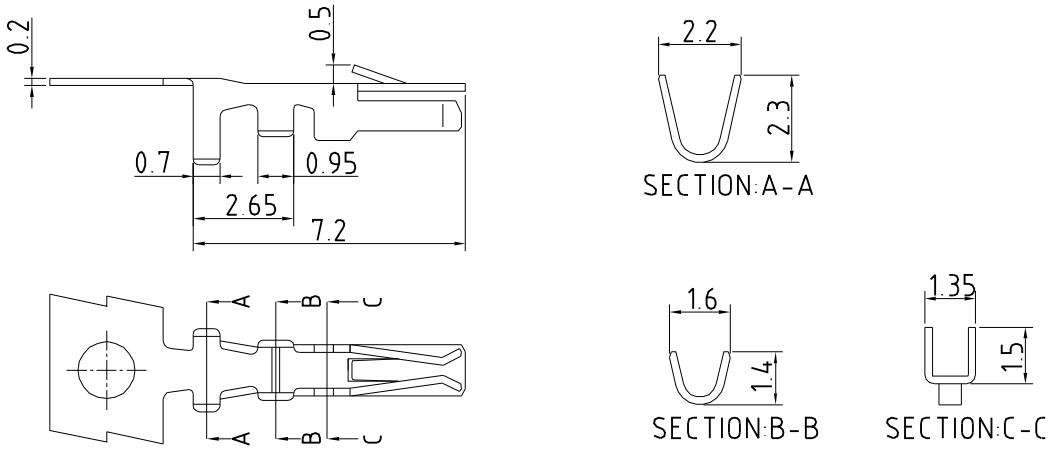
Note:

For this product in a different specification please contact TYU for more information

Terminal

Features

Use with: TU2018 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU2018TPO-*	AWG #22-#28	1.50mm(MAX.)	Phosphor bronze	See note	10,000 pcs

Note:

For this product in a different specification please contact TYU for more information

TY2018 SERIES

2.00mm Pitch Wire To Wire Connector

Housing

Unit : mm

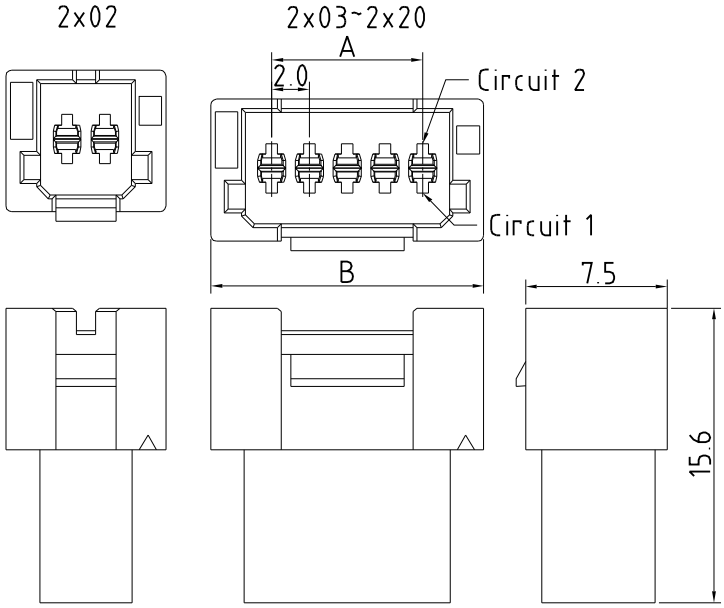
Features

Available Number of Circuits: 2x02 - 2x20

Material: Regular Thermoplastic 94V-0

Use with: TY2008 Crimp Terminal

Mates with : TU2018 Series Housing



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TY2018HNO-2x02	2.00	8.45
6	TY2018HNO-2x03	4.00	10.45
8	TY2018HNO-2x04	6.00	12.45
10	TY2018HNO-2x05	8.00	14.45
12	TY2018HNO-2x06	10.00	16.45
14	TY2018HNO-2x07	12.00	18.45
16	TY2018HNO-2x08	14.00	20.45
18	TY2018HNO-2x09	16.00	22.45
20	TY2018HNO-2x10	18.00	24.45
22	TY2018HNO-2x11	20.00	26.45
24	TY2018HNO-2x12	22.00	28.45
26	TY2018HNO-2x13	24.00	30.45
28	TY2018HNO-2x14	26.00	32.45
30	TY2018HNO-2x15	28.00	34.45
32	TY2018HNO-2x16	30.00	36.45
40	TY2018HNO-2x20	38.00	44.45

Housing

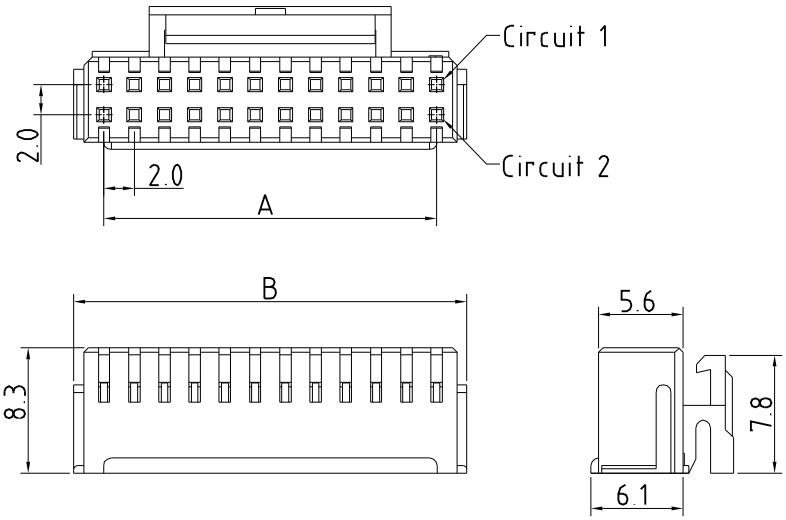
Features

Available Number of Circuits: 2x03 - 2x16,2x20

Material: Regular Thermoplastic 94V-0

Use with: TU2018 Crimp Terminal

Mates with : TY2018 Series Housing or TU2018 Series Wafer

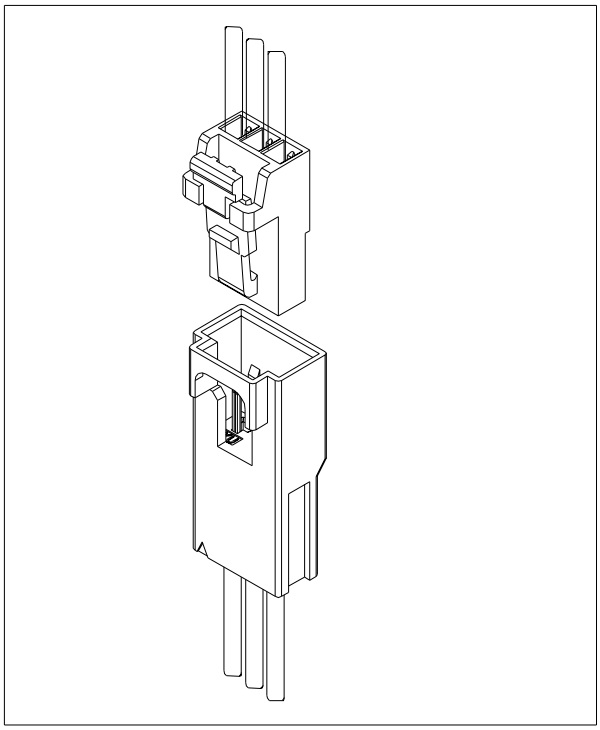


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
6	TU2018HNO-2x03	4.00	8.00
8	TU2018HNO-2x04	6.00	10.00
10	TU2018HNO-2x05	8.00	12.00
12	TU2018HNO-2x06	10.00	14.00
14	TU2018HNO-2x07	12.00	16.00
16	TU2018HNO-2x08	14.00	18.00
18	TU2018HNO-2x09	16.00	20.00
20	TU2018HNO-2x10	18.00	22.00
22	TU2018HNO-2x11	20.00	24.00
24	TU2018HNO-2x12	22.00	26.00
26	TU2018HNO-2x13	24.00	28.00
28	TU2018HNO-2x14	26.00	30.00
30	TU2018HNO-2x15	28.00	32.00
32	TU2018HNO-2x16	30.00	34.00
40	TU2018HNO-2x20	38.00	42.00

TY/U2028 SERIES

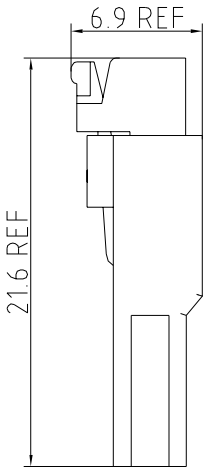
2.00mm Pitch Wire To Wire Connector



Specification

Circuits	02 - 10
Pitch	2.00mm
Current Rating	2.5A AC/DC(AWG#24) 2.0A AC/DC(AWG#26) 1.5A AC/DC(AWG#28)
Voltage Rating	125V AC/DC
Contact Resistance	5mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	1000MΩ MIN.
Temperature Range	-40˚C - +70˚C
Applicable Wire Range	AWG #24 - #28

Assembly Layout



TU2028 ① * ② - NP ③ * ④ TY2028 ① * ② - NP ③

① Part No. TU/Y2028	④ Mount Type K: With latch Type	
② Connection Type: HNO : Terminal Socket		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TY/U2028 SERIES

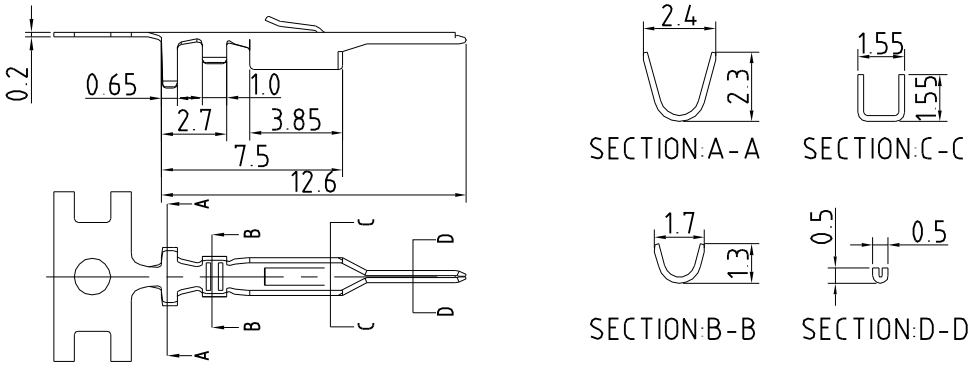
2.00mm Pitch Wire To Wire Connector

Unit : mm

Terminal

Features

Use with: TY2008 or TY2018 or TY2028 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TY2008TBO-*-*	AWG #22-#28	1.60mm(MAX.)	Brass	See note	10,000 pcs

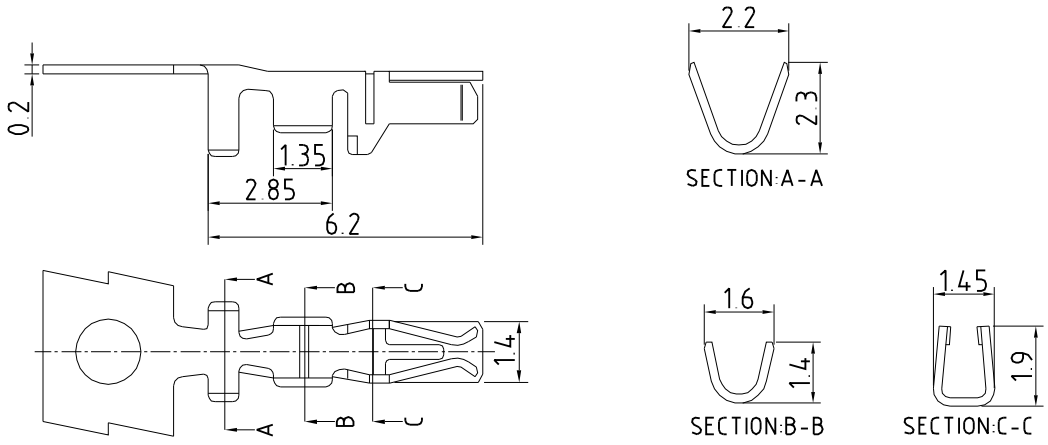
Note:

For this product in a different specification please contact TYU for more information

Terminal

Features

Use with: TU2008 or TU2028 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU2008TPO-*	AWG #24-#28	1.40mm(MAX.)	Phosphor bronze	See note	10,000 pcs

Note:

For this product in a different specification please contact TYU for more information

TY/U2028 SERIES

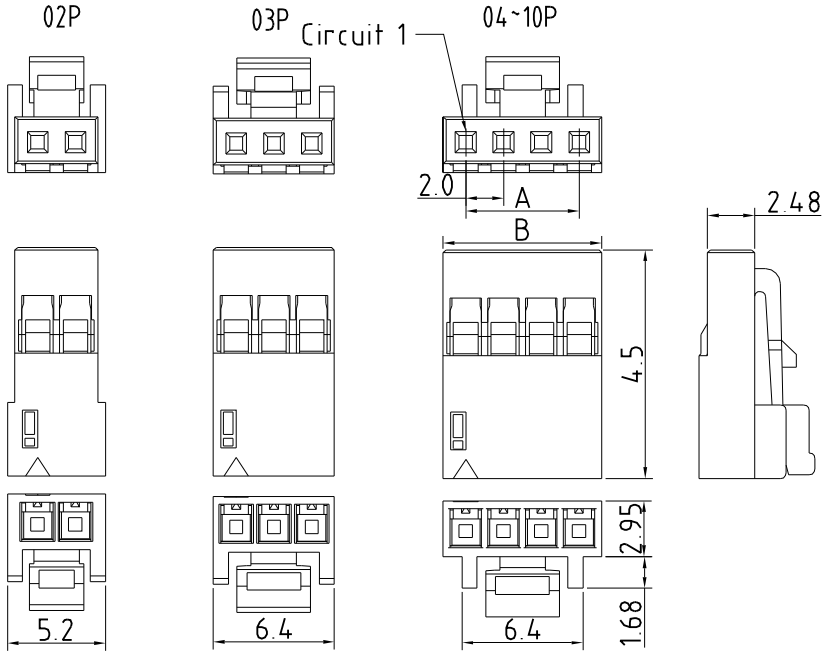
2.00mm Pitch Wire To Wire Connector

Unit : mm

Housing

Features

Available Number of Circuits: 02 -10
Material: Regular Thermoplastic 94V-0
Use with: TU2008 Crimp Terminal
Mates with : TY2028 Series Housing



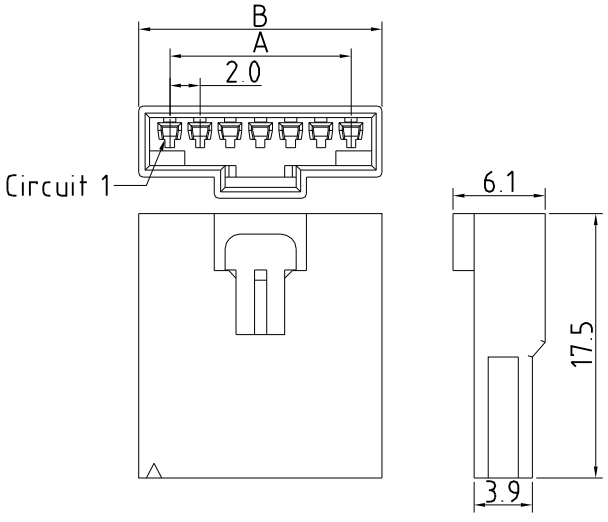
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2028HNO-02K	2.00	4.40
3	TU2028HNO-03K	4.00	6.40
4	TU2028HNO-04K	6.00	8.40
5	TU2028HNO-05K	8.00	10.40
6	TU2028HNO-06K	10.00	12.40
7	TU2028HNO-07K	12.00	14.40
8	TU2028HNO-08K	14.00	16.40
9	TU2028HNO-09K	16.00	18.40
10	TU2028HNO-10K	18.00	20.40

Housing

Features

Available Number of Circuits: 02 -10
Material: Regular Thermoplastic 94V-0
Use with: TY2008 Crimp Terminal
Mates with : TY2028 Series Housing

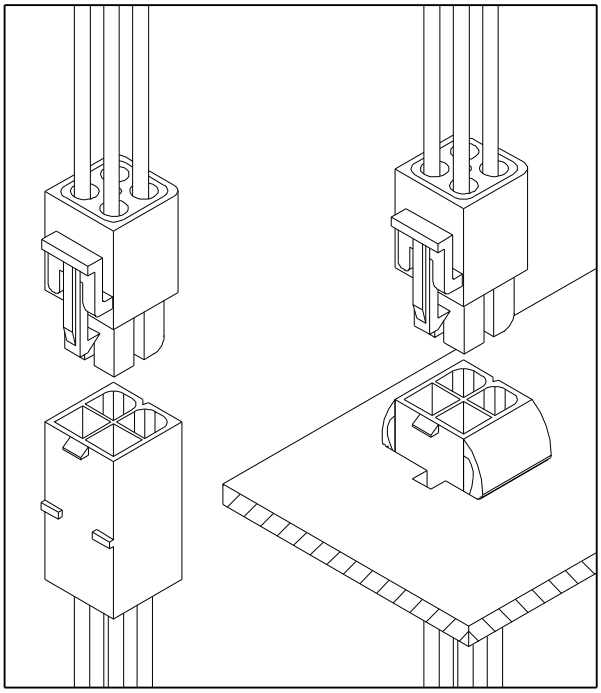


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY2028HNO-02	2.00	6.10
3	TY2028HNO-03	4.00	8.10
4	TY2028HNO-04	6.00	10.10
5	TY2028HNO-05	8.00	12.10
6	TY2028HNO-06	10.00	14.10
7	TY2028HNO-07	12.00	16.10
8	TY2028HNO-08	14.00	18.10
9	TY2028HNO-09	16.00	20.10
10	TY2028HNO-10	18.00	22.10

TY2081/2 SERIES

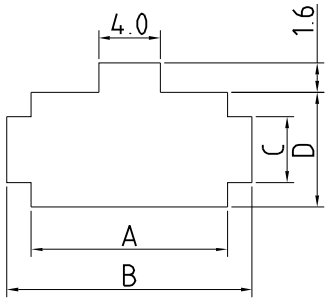
6.20mm Pitch Wire To Wire Connector



Specification

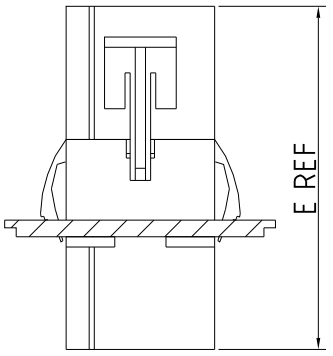
Circuits	01 - 15
Pitch	6.20mm
Current Rating	15A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	10mΩ MAX.
Withstand Voltage	1,500V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #14 - #22
Applicable P.C.B Thickness	2.3mm (MAX.)

TypeII

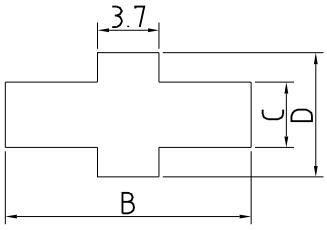


Assembly Layout

Assembly Layout



Type I



Dimension and Order Information

Circuits	Type	DIM.(mm)				
		A	B	C	D	E
1x1	I	--	--	--	--	46.7
1x2	I	--	18.80	7.80	11.00	43.6
1x3	I	--	25.00	7.80	11.00	43.6
1x4	I	--	31.20	7.80	11.00	43.6
2x2	II	13.80	18.80	9.40	14.10	43.6
2x3	II	20.00	25.00	9.40	14.10	43.6
3x3	II	20.00	25.00	9.40	20.20	43.6
3x4	II	26.20	31.20	12.80	20.30	43.6
3x5	II	32.40	37.40	12.80	20.30	43.6

TY2081 * - * x NP *
① ② ③ ④

TY2082 * - * x NP *
① ② ③ ④

① Part No. TY2081,2

② Connection Type:
HNO : Terminal Socket

③ Number of Contacts:
1xNP : Single Row
2xNP : Dual Row
3xNP : Triple Row

④ Mount Type
W : W-Type Housing

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TY2081/2 SERIES

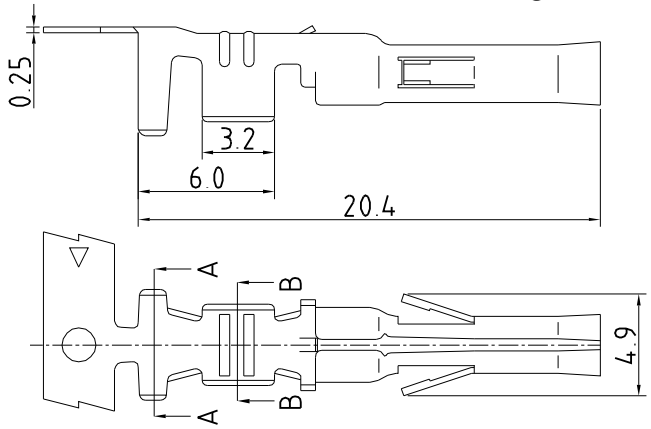
6.20mm Pitch Wire To Wire Connector

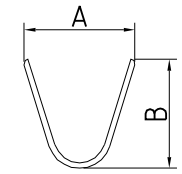
Unit : mm

Terminal Female

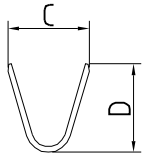
Features

Use with: TY2081 Series Male Housing





SECTION:A-A



SECTION:B-B

CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TY2081TBL-*	AWG#18-#22	2.80mm(MAX)	4.0	3.2	2.7	2.3	Brass	See note	4,000 pcs
TY2081TPL-*							Phosphor bronze		
TY2081TBH-*	AWG#14-#20	3.50mm(MAX)	4.9	4.9	3.6	3.8	Brass		3,500 pcs
TY2081TPH-*							Phosphor bronze		

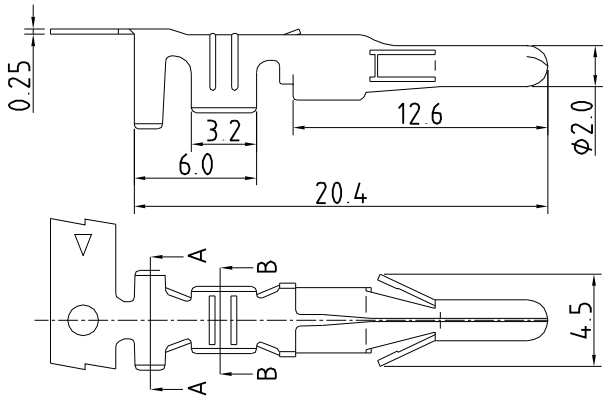
Note:

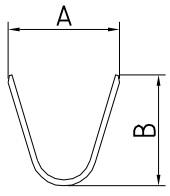
For this product in a different specification please contact TYU for more information

Terminal Male

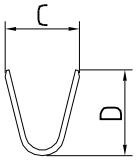
Features

Use with: TY2082 Series Female Housing





SECTION:A-A



SECTION:B-B

CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TY2082TBL-*	AWG#18-#22	2.80mm(MAX)	4.0	3.3	2.6	2.4	Brass	See note	4,000 pcs
TY2082TBH-*	AWG#14-#20	3.50mm(MAX)	4.9	5.0	3.7	3.8			3,500 pcs

Note:

For this product in a different specification please contact TYU for more information

TY2081/2 SERIES

6.20mm Pitch Wire To Wire Connector

Unit : mm

Housing

Pitch 6.20mm Male and Female

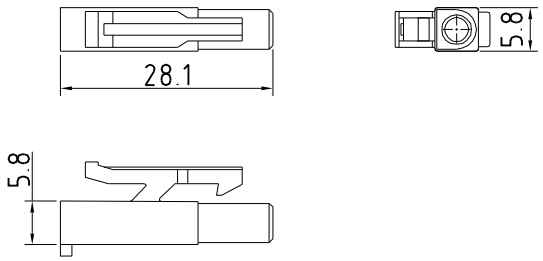
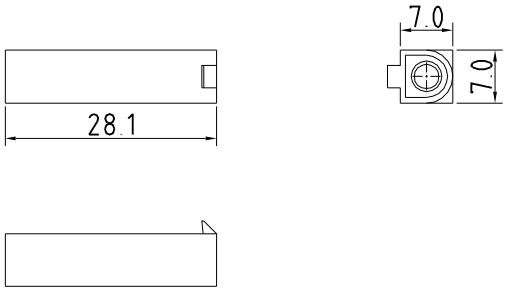
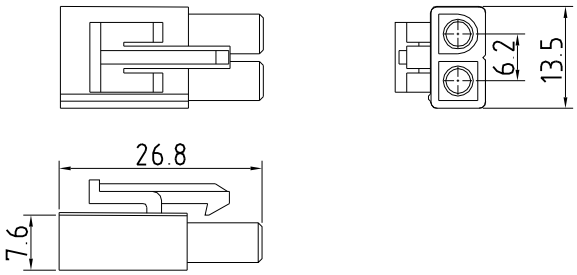
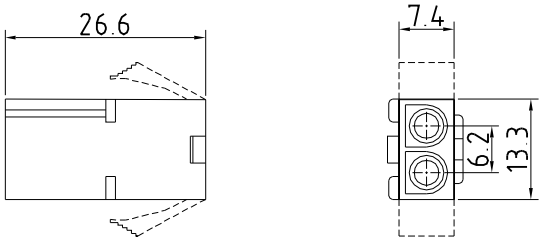
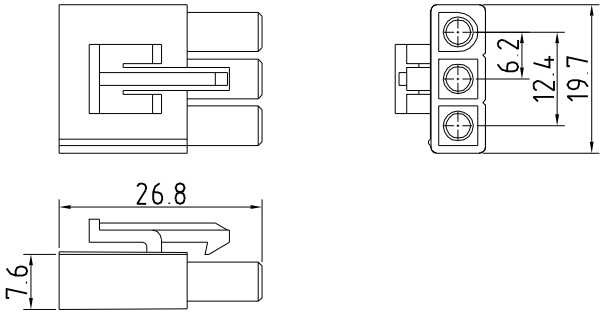
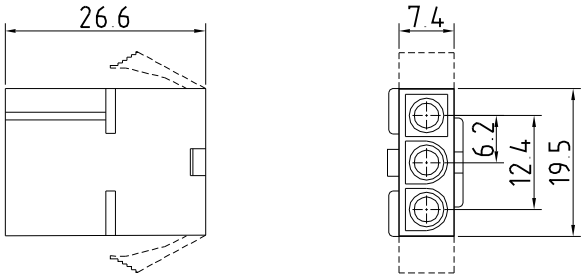
Features

Available Number of Circuits: 01 - 15

Material: Regular Thermoplastic 94V-2

Use with: TY2081H for TY2081 Crimp Terminal , TY2082H for TY2082 Crimp Terminal

Mates with : TY2081H for TY2082H

MALE HOUSING	FEMALE HOUSING PANEL-MOUNT
 TY2081HNO-1x01	 TY2082HNO-1x01
 TY2081HNO-1x02	 TY2082HNO-1x02W WITHOUT EARS TY2082HNO-1x02
 TY2081HNO-1x03	 TY2082HNO-1x03W WITHOUT EARS TY2082HNO-1x03

TY2081/2 SERIES

6.20mm Pitch Wire To Wire Connector

Unit : mm

Housing

Pitch 6.20mm Male and Female

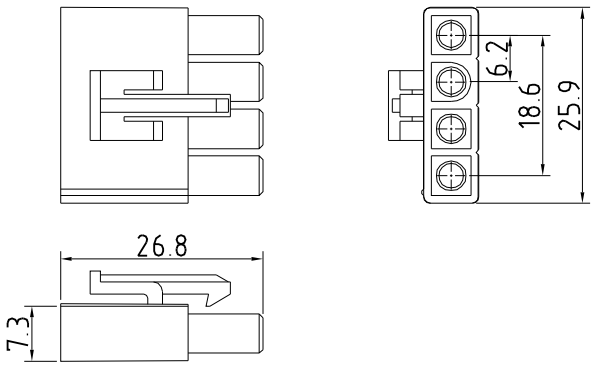
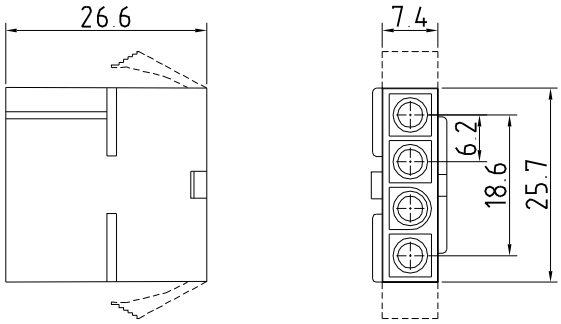
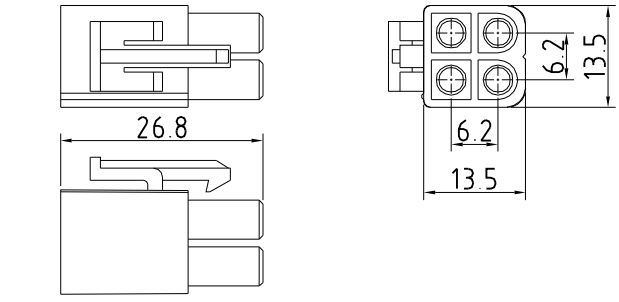
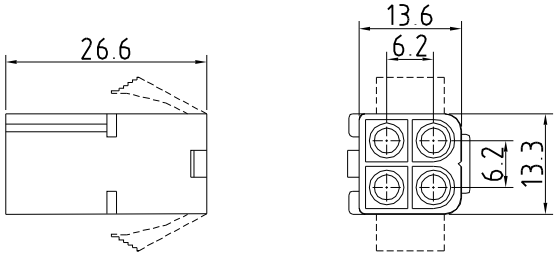
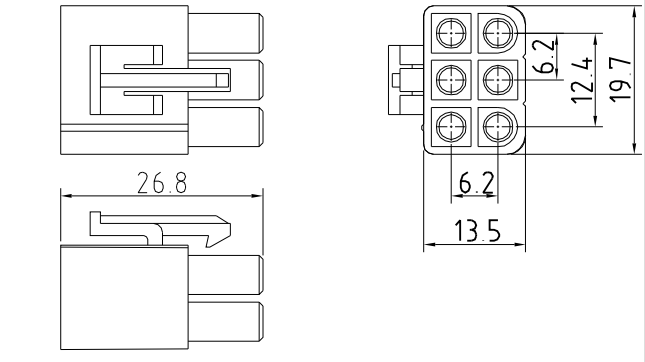
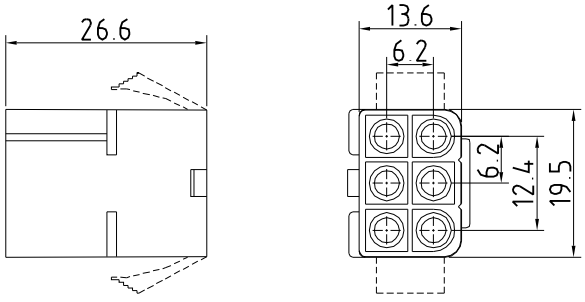
Features

Available Number of Circuits: 01 - 15

Material: Regular Thermoplastic 94V-2

Use with: TY2081H for TY2081 Crimp Terminal , TY2082H for TY2082 Crimp Terminal

Mates with : TY2081H for TY2082H

MALE HOUSING	FEMALE HOUSING PANEL-MOUNT
 TY2081HNO-1x04	 TY2082HNO-1x04W WITHOUT EARS TY2082HNO-1x04
 TY2081HNO-2x02	 TY2082HNO-2x02W WITHOUT EARS TY2082HNO-2x02
 TY2081HNO-2x03	 TY2082HNO-2x03W WITHOUT EARS TY2082HNO-2x03

TY2081/2 SERIES

6.20mm Pitch Wire To Wire Connector

Unit : mm

Housing

Pitch 6.20mm Male and Female

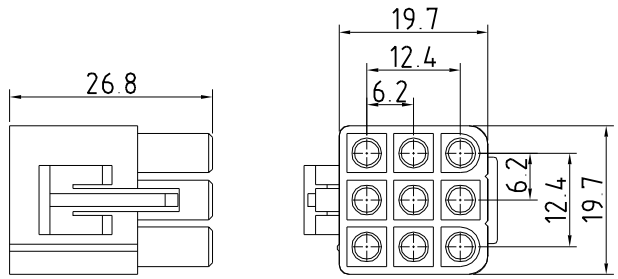
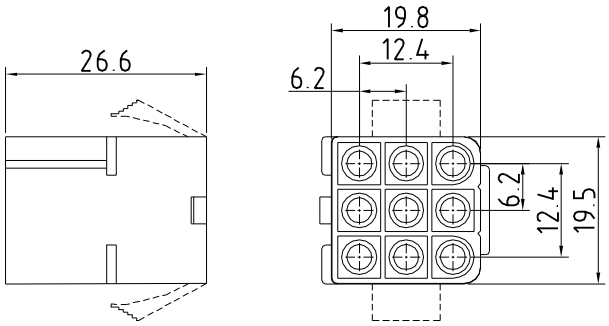
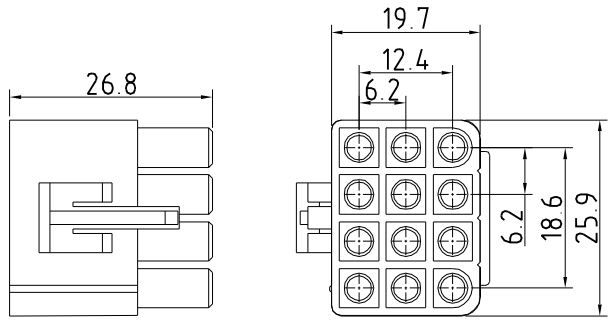
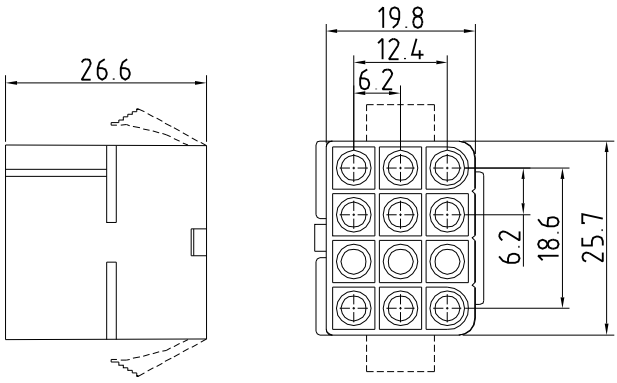
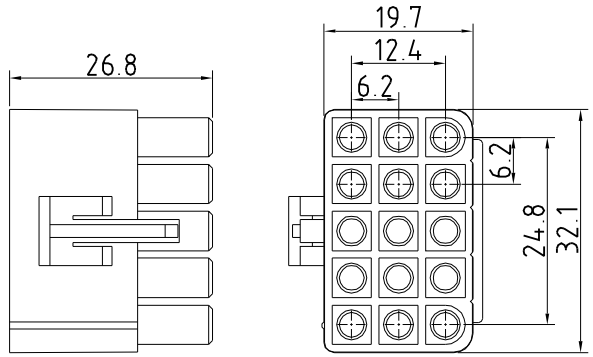
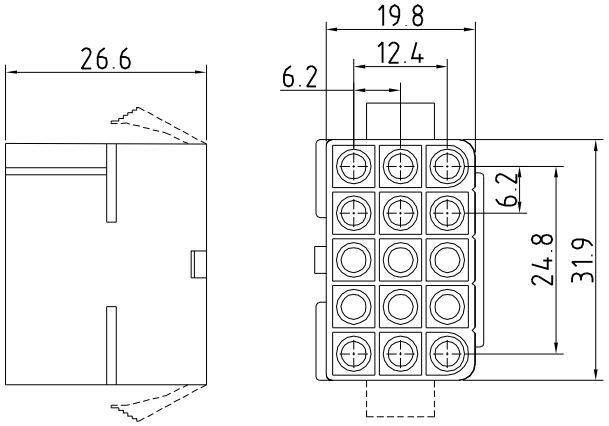
Features

Available Number of Circuits: 01 - 15

Material: Regular Thermoplastic 94V-2

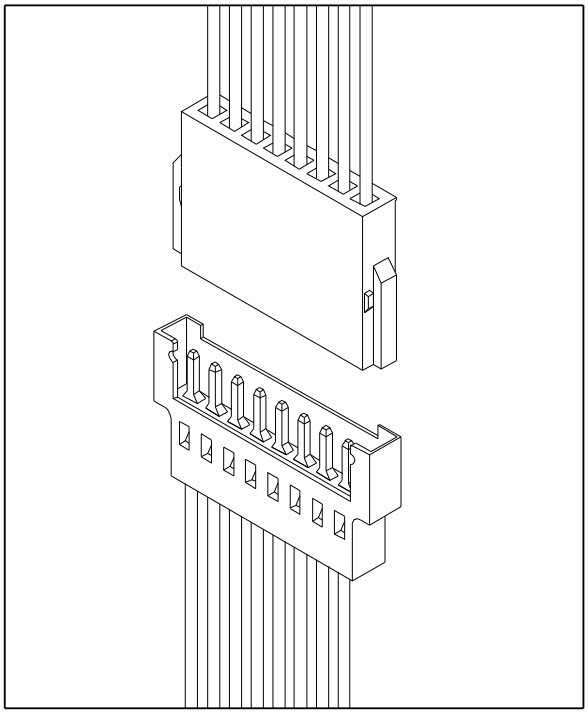
Use with: TY2081H for TY2081 Crimp Terminal , TY2082H for TY2082 Crimp Terminal

Mates with : TY2081H for TY2082H

MALE HOUSING	FEMALE HOUSING PANEL-MOUNT
 TY2081HNO-3x03	 TY2082HNO-3x03W WITHOUT EARS TY2082HNO-3x03
 TY2081HNO-3x04	 TY2082HNO-3x04W WITHOUT EARS TY2082HNO-3x04
 TY2081HNO-3x05	 TY2082HNO-3x05W WITHOUT EARS TY2082HNO-3x05

TY2083/4 SERIES

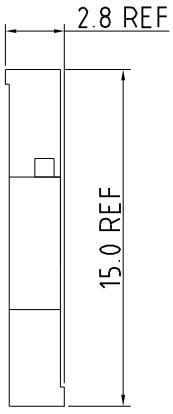
2.00mm Pitch Wire To Wire Connector



Specification

Circuits	02 - 16
Pitch	2.00mm
Current Rating	3A AC/DC (AWG#24) 2A AC/DC (AWG#26) 1A AC/DC (AWG#28)
Voltage Rating	100V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #24 - #28

Assembly Layout



TY2083 * - NP ① ② ③	TY2084 * - NP ① ② ③	
① Part No. TY2083,4		
② Connection Type: HNO : Terminal Socket		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TY2083/4 SERIES

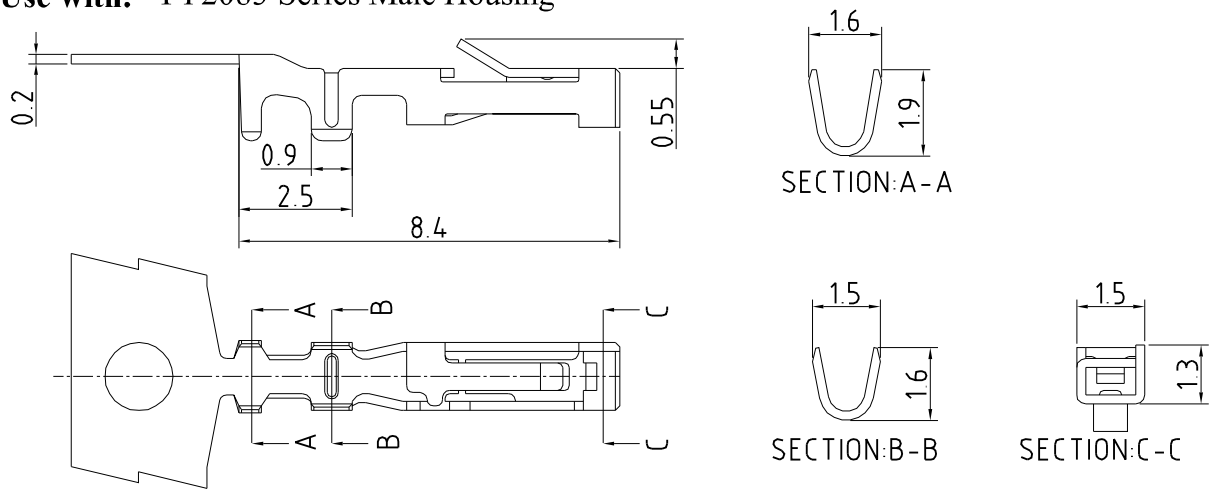
2.00mm Pitch Wire To Wire Connector

Unit : mm

Terminal Female

Features

Use with: TY2083 Series Male Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TY2083TPO-*	AWG #24-#28	1.15mm(MAX.)	Phosphor bronze	See note	15,000 pcs

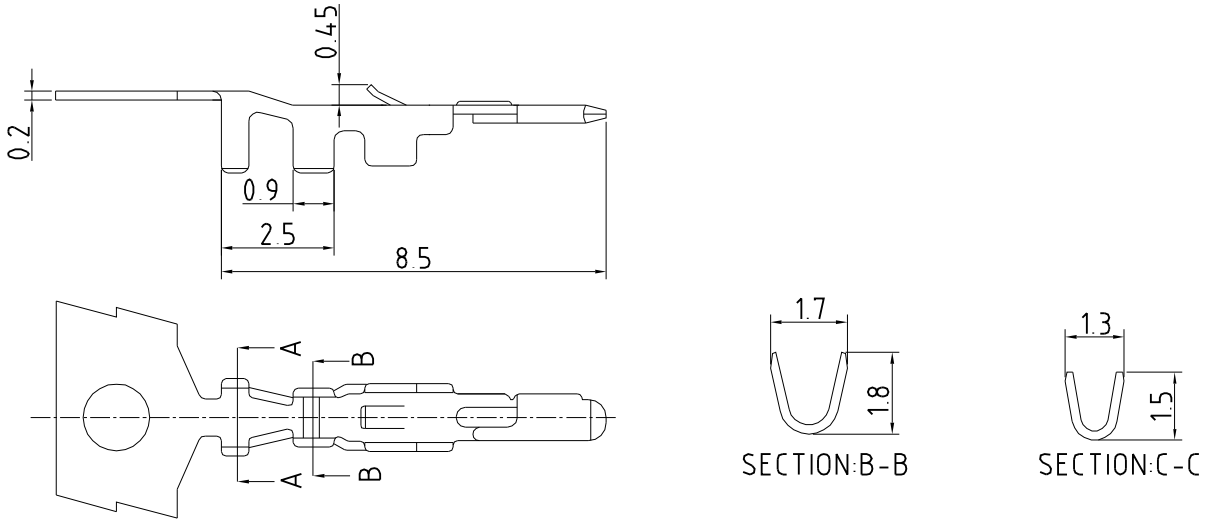
Note:

For this product in a different specification please contact TYU for more information

Terminal Male

Features

Use with: TY2084 Series Female Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TY2084TBO-*	AWG #24-#28	1.15mm(MAX.)	Brass	See note	15,000 pcs
TY2084TPO-*			Phosphor bronze		
TY2084TGO-*			High current		

Note: For this product in a different specification please contact TYU for more information

TY2083/4 SERIES

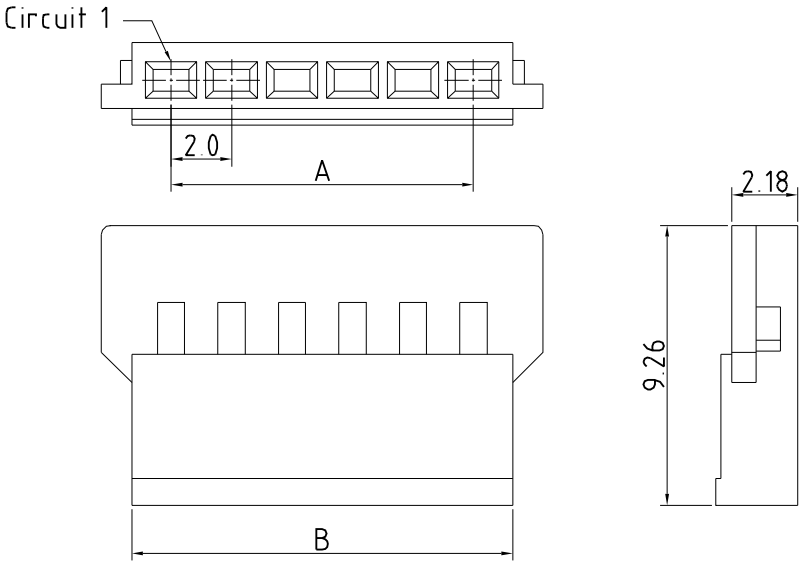
2.00mm Pitch Wire To Wire Connector

Unit : mm

Housing Male

Features

Available Number of Circuits: 02 - 16
Material: Regular Thermoplastic 94V-0
Use with: TY2083 Crimp Terminal
Mates with : TY2084 Series Housing



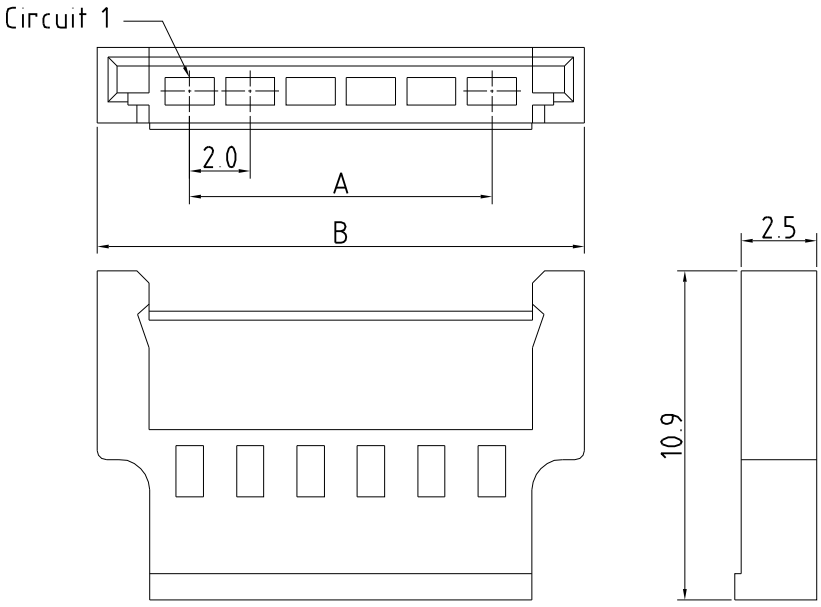
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY2083HNO-02-*	2.00	4.60
3	TY2083HNO-03-*	4.00	6.60
4	TY2083HNO-04-*	6.00	8.60
5	TY2083HNO-05-*	8.00	10.60
6	TY2083HNO-06-*	10.00	12.60
7	TY2083HNO-07-*	12.00	14.60
8	TY2083HNO-08-*	14.00	16.60
9	TY2083HNO-09-*	16.00	18.60
10	TY2083HNO-10-*	18.00	20.60
11	TY2083HNO-11-*	20.00	22.60
12	TY2083HNO-12-*	22.00	24.60
13	TY2083HNO-13-*	24.00	26.60
14	TY2083HNO-14-*	26.00	28.60
15	TY2083HNO-15-*	28.00	30.60
16	TY2083HNO-16-*	30.00	32.60

Housing Female

Features

Available Number of Circuits: 02 - 16
Material: Regular Thermoplastic 94V-0
Use with: TY2084 Crimp Terminal
Mates with : TY2083 Series Housing

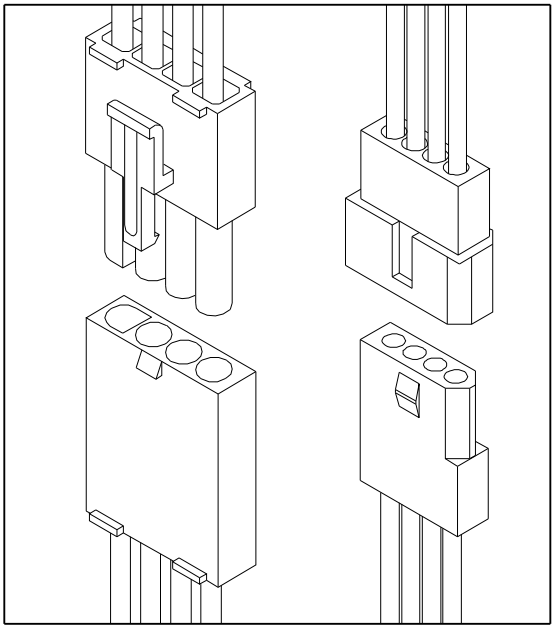


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY2084HNO-02-*	2.00	8.20
3	TY2084HNO-03-*	4.00	10.20
4	TY2084HNO-04-*	6.00	12.20
5	TY2084HNO-05-*	8.00	14.20
6	TY2084HNO-06-*	10.00	16.20
7	TY2084HNO-07-*	12.00	18.20
8	TY2084HNO-08-*	14.00	20.20
9	TY2084HNO-09-*	16.00	22.20
10	TY2084HNO-10-*	18.00	24.20
11	TY2084HNO-11-*	20.00	26.20
12	TY2084HNO-12-*	22.00	28.20
13	TY2084HNO-13-*	24.00	30.20
14	TY2084HNO-14-*	26.00	32.20
15	TY2084HNO-15-*	28.00	34.20
16	TY2084HNO-16-*	30.00	36.20

TY2361/2 SERIES

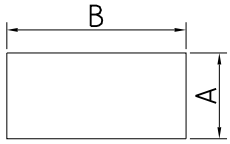
5.03 or 6.70mm Pitch Wire To Wire or Board Connector



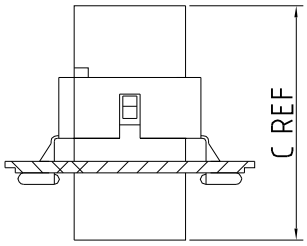
Specification

Circuits	01 - 15
Pitch	5.03 or 6.70mm
Current Rating	10A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	10mΩ MAX.
Withstand Voltage	1500V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #14 - #24
Applicable P.C.B Thickness	2.3mm (MAX.)
Applicable P.C.B Hole Dia.	Ø2.2mm ± 0.05

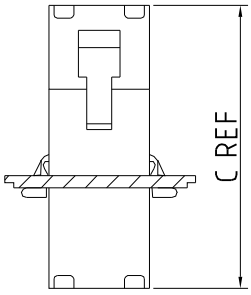
Panel Layout



Assembly Layout



L-Type



Dimension and Order Information

TY2361HNO-NP				TY2362HNO-NP			
Circuits	DIM.(mm)			Circuits	DIM.(mm)		
	A	B	C		A	B	C
1x1	--	--	41.4	1x1	--	--	41.4
1x2	7.92	18.42	40.2	1x2	9.53	20.32	40.2
1x3	7.92	21.10	40.2	1x3	9.53	23.70	40.2
1x4	7.92	26.37	40.2	1x4	9.53	28.73	40.2
1x5	7.92	31.50	40.2	1x5	9.53	34.20	40.2
2x2	15.24	12.70	40.2	2x2	17.65	14.10	40.2
2x3	15.24	17.22	40.2	2x3	17.65	19.05	40.2
3x3	18.42	21.03	40.2	3x3	16.76	23.80	40.2
3x4	18.42	26.67	40.2	3x4	19.30	29.34	40.2
3x5	18.42	31.50	40.2	3x5	19.30	34.11	40.2

Dimension and Order Information

TY2362HNO-NPLW				TY2362HNO-NPLW			
Circuits	DIM.(mm)			Circuits	DIM.(mm)		
	A	B	C		A	B	C
1x1	10.00	12.30	48.0	2x3	17.30	26.60	48.0
1x2	9.27	20.32	48.0	3x3	23.09	26.62	48.0
1x3	10.00	25.90	48.0	3x4	23.10	33.02	48.0
1x4	10.00	32.26	48.0	3x5	23.11	29.42	48.0

TY2361 * - NP * (① ② ③ ④) TY2362 * - NP * (① ② ③ ④)

① Part No. TU0503

② Connection Type:
HNO : Terminal Socket
WNV : Vertical Wafer

③ Number of Contacts:
1xNP : Single Row
2xNP : Dual Row
3xNP : Triple Row

④ Mount Type
W : W-Type Housing
L : L-Type Housing

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TY2361/2 SERIES

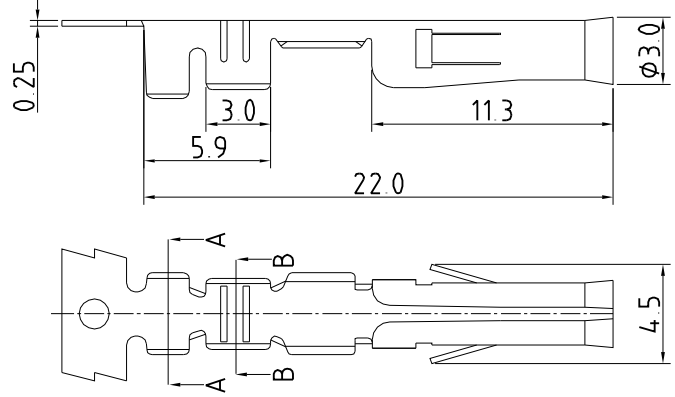
5.03 or 6.70mm Pitch Wire To Wire Connector

Unit : mm

Terminal Female

Features

Use with: TY2361 Series Male Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TY2361TBH-*	AWG #14-#20	3.70mm(MAX.)	4.3	4.6	3.5	3.8	Brass	See note	4,000pcs
TY2361TBL-*	AWG #20-#24	2.60mm(MAX.)	3.8	3.6	3.3	3.2			5,000pcs

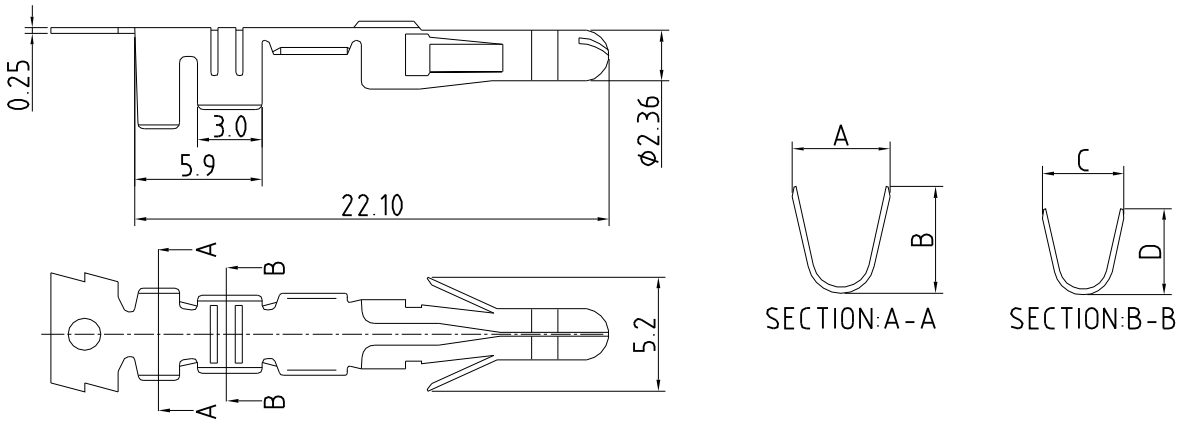
Note:

For this product in a different specification please contact TYU for more information

Terminal Male

Features

Use with: TY2362 Series Female Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TY2362TBH-*	AWG #14-#20	3.70mm(MAX.)	4.3	4.6	3.6	3.8	Brass	See note	4,000pcs
TY2362TBL-*	AWG #20-#24	2.60mm(MAX.)	3.8	3.6	3.3	3.2			5,000pcs

Note:

For this product in a different specification please contact TYU for more information

TY2361/2 SERIES

5.03mm Pitch Wire To Wire Connector

Unit : mm

Housing

Pitch 5.03mm Male and Female

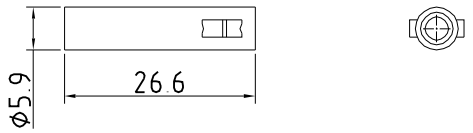
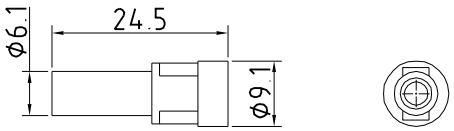
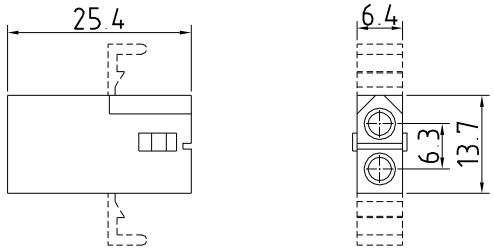
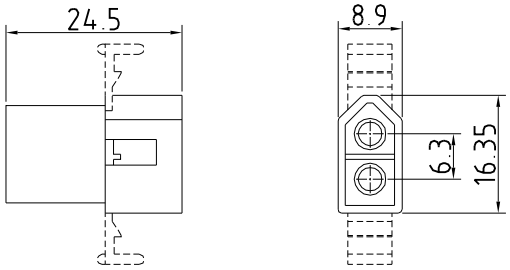
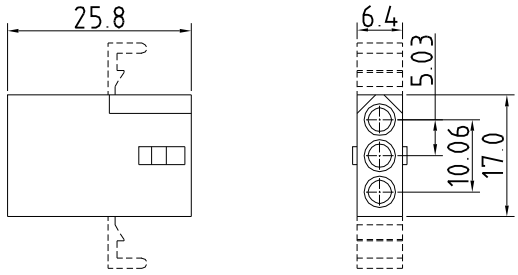
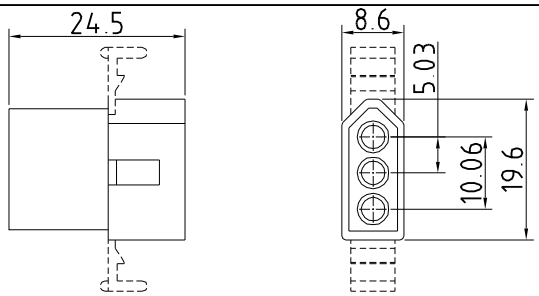
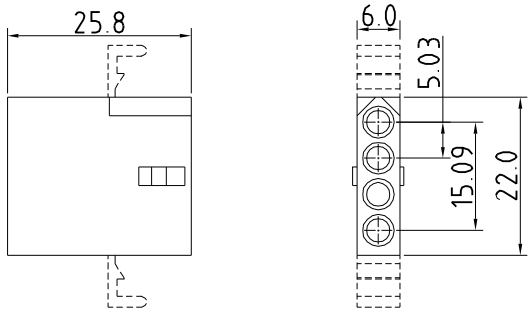
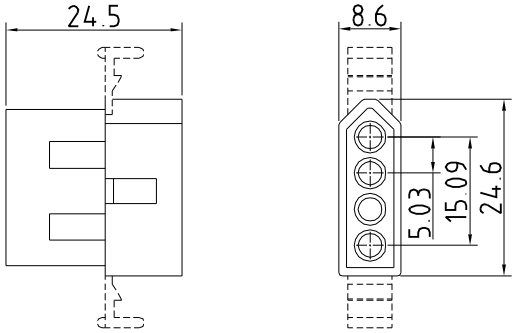
Features

Available Number of Circuits: 01 - 15

Material: Regular Thermoplastic 94V-2

Use with: TY2361H for TY2361 Crimp Terminal , TY2362H for TY2362 Crimp Terminal

Mates with : TY2361H for TY2362H

MALE HOUSING PITCH 5.03mm	FEMALE HOUSING PITCH 5.03mm
 TY2361HNO-1x01	 TY2362HNO-1x01
 TY2361HNO-1x02W WITHOUT EARS TY2361HNO-1x02	 TY2362HNO-1x02W WITHOUT EARS TY2362HNO-1x02
 TY2361HNO-1x03W WITHOUT EARS TY2361HNO-1x03	 TY2362HNO-1x03W WITHOUT EARS TY2362HNO-1x03
 TY2361HNO-1x04W WITHOUT EARS TY2361HNO-1x04	 TY2362HNO-1x04W WITHOUT EARS TY2362HNO-1x04

TY2361/2 SERIES

5.03mm Pitch Wire To Wire Connector

Unit : mm

Housing

Pitch 5.03mm Male and Female

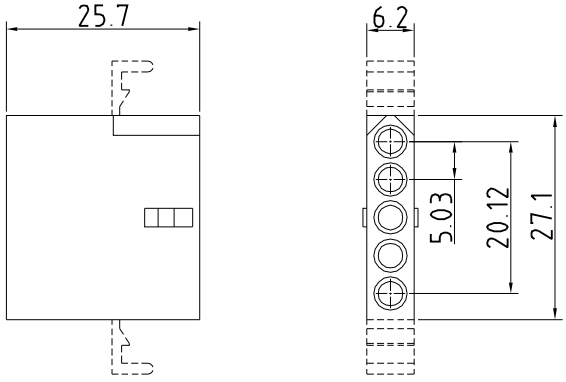
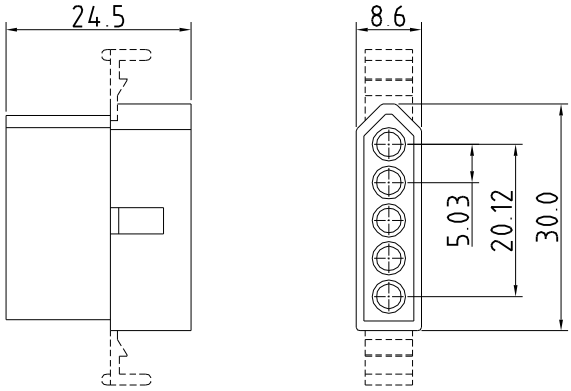
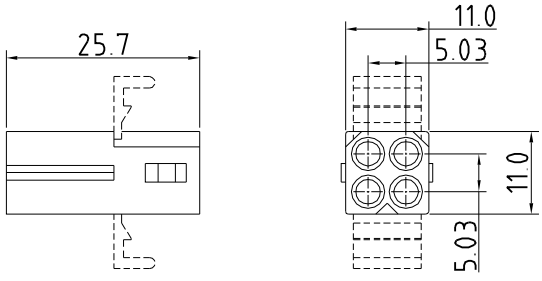
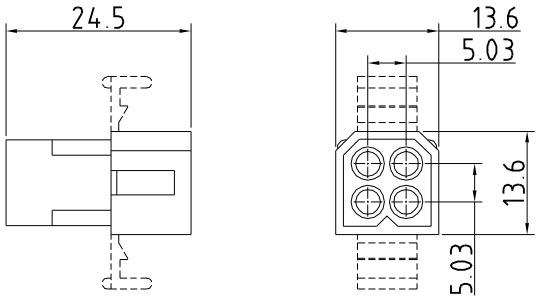
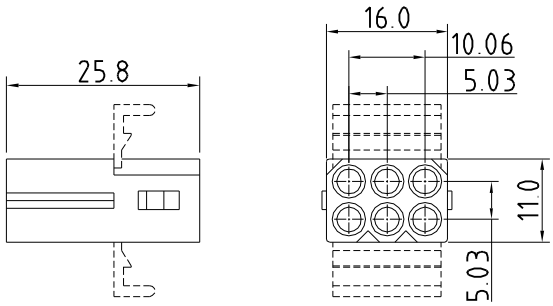
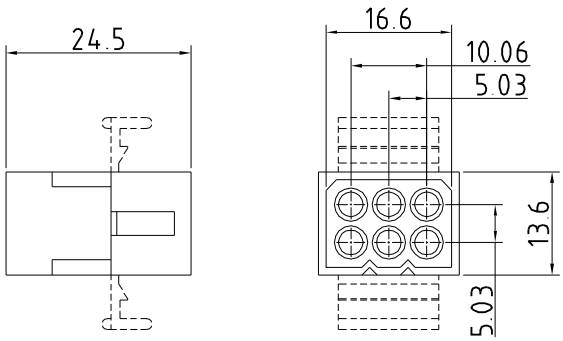
Features

Available Number of Circuits: 01 - 15

Material: Regular Thermoplastic 94V-2

Use with: TY2361H for TY2361 Crimp Terminal , TY2362H for TY2362 Crimp Terminal

Mates with : TY2361H for TY2362H

MALE HOUSING PITCH 5.03mm	FEMALE HOUSING PITCH 5.03mm
 TY2361HNO-1x05W WITHOUT EARS TY2361HNO-1x05	 TY2362HNO-1x05W WITHOUT EARS TY2362HNO-1x05
 TY2361HNO-2x02W WITHOUT EARS TY2361HNO-2x02	 TY2362HNO-2x02W WITHOUT EARS TY2362HNO-2x02
 TY2361HNO-2x03W WITHOUT EARS TY2361HNO-2x03	 TY2362HNO-2x03W WITHOUT EARS TY2362HNO-2x03

TY2361/2 SERIES

5.03mm Pitch Wire To Wire Connector

Unit : mm

Housing

Pitch 5.03mm Male and Female

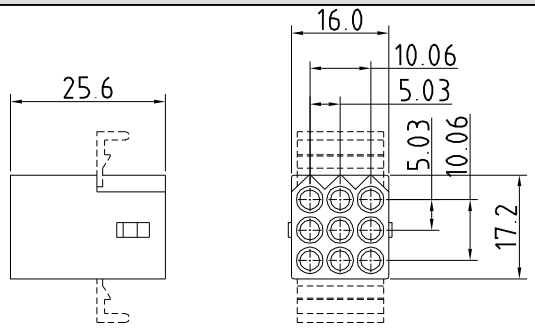
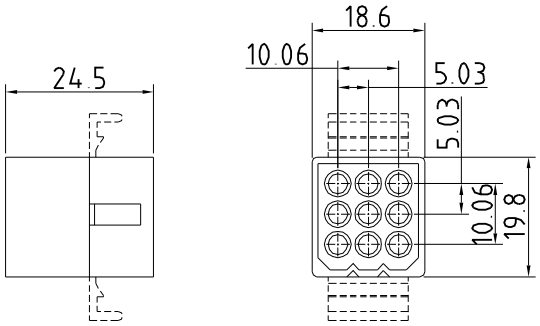
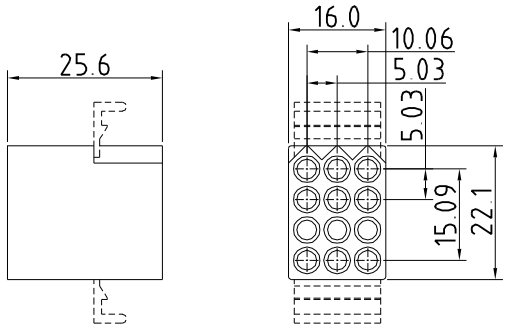
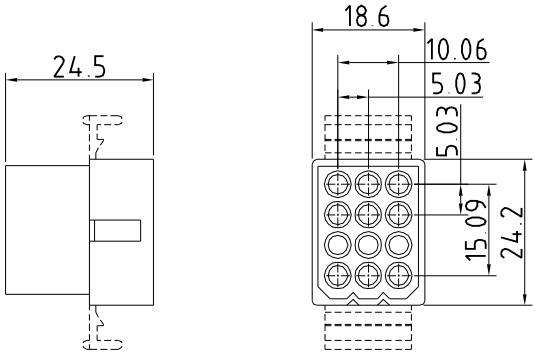
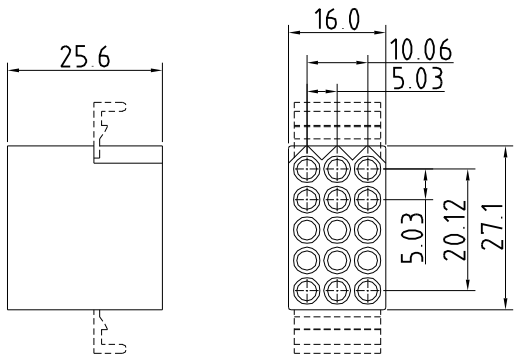
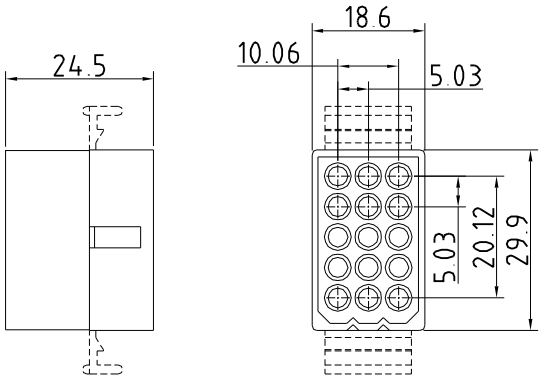
Features

Available Number of Circuits: 01 - 15

Material: Regular Thermoplastic 94V-2

Use with: TY2361H for TY2361 Crimp Terminal , TY2362H for TY2362 Crimp Terminal

Mates with : TY2361H for TY2362H

MALE HOUSING PITCH 5.03mm	FEMALE HOUSING PITCH 5.03mm
 TY2361HNO-3x03W WITHOUT EARS TY2361HNO-3x03	 TY2362HNO-3x03W WITHOUT EARS TY2362HNO-3x03
 TY2361HNO-3x04W WITHOUT EARS TY2361HNO-3x04	 TY2362HNO-3x04W WITHOUT EARS TY2362HNO-3x04
 TY2361HNO-3x05W WITHOUT EARS TY2361HNO-3x05	 TY2362HNO-3x05W WITHOUT EARS TY2362HNO-3x05

TY2361/2 SERIES

6.70mm Pitch Wire To Wire Connector

Unit : mm

Housing

Pitch 6.70mm Male and Female

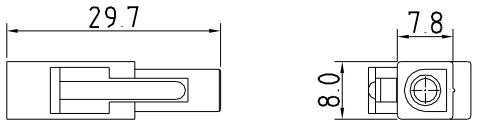
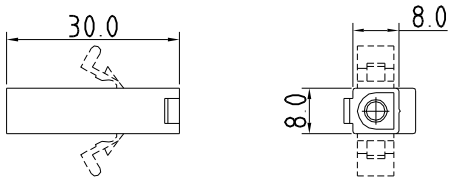
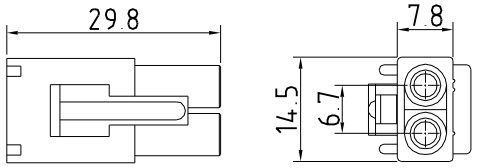
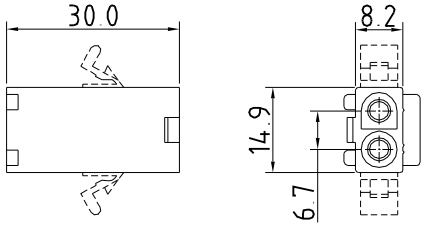
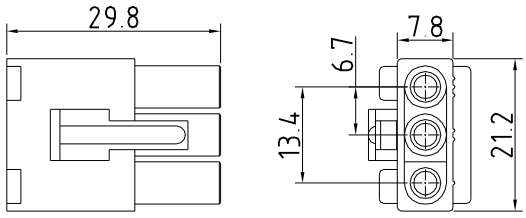
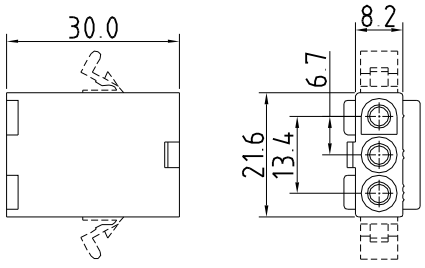
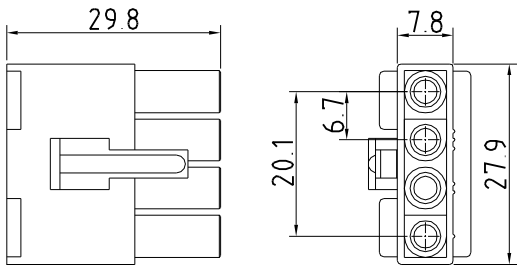
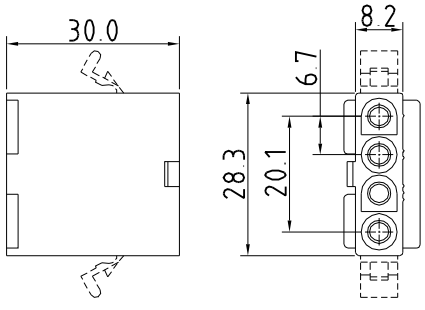
Features

Available Number of Circuits: 01 - 15

Material: Regular Thermoplastic 94V-2

Use with: TY2361HL for TY2361 Crimp Terminal , TY2362HL for TY2362 Crimp Terminal

Mates with : TY2361HL for TY2362HL

MALE HOUSING PITCH 6.7mm	FEMALE HOUSING PITCH 6.7mm
 TY2361HNO-1x01L	 TY2362HNO-1x01LW WITHOUT EARS TY2362HNO-1x01L
 TY2361HNO-1x02L	 TY2362HNO-1x02LW WITHOUT EARS TY2362HNO-1x02L
 TY2361HNO-1x03L	 TY2362HNO-1x03LW WITHOUT EARS TY2362HNO-1x03L
 TY2361HNO-1x04L	 TY2362HNO-1x04LW WITHOUT EARS TY2362HNO-1x04L

TY2361

TY2361/2 SERIES

6.70mm Pitch Wire To Wire Connector

Unit : mm

Housing

Pitch 6.70mm Male and Female

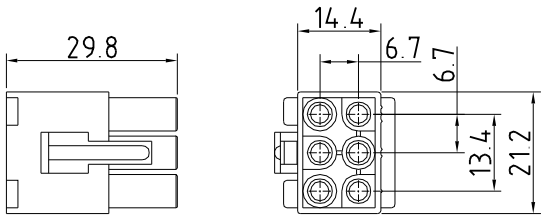
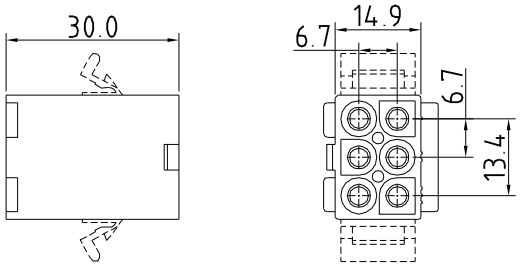
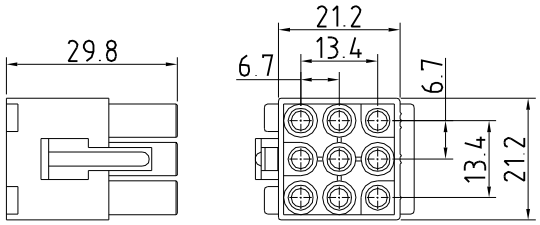
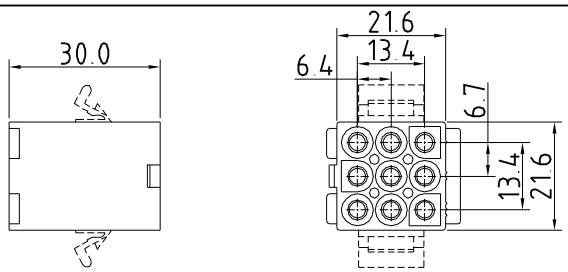
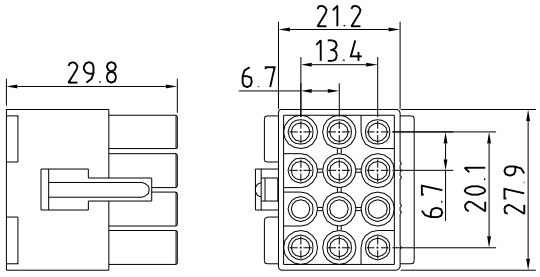
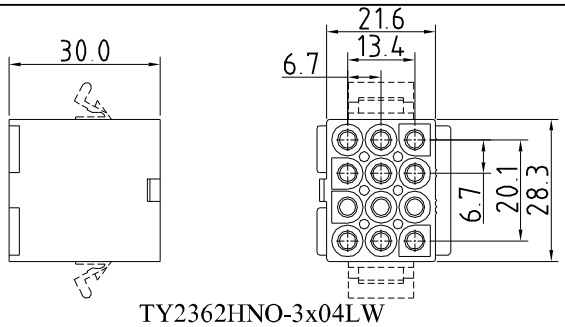
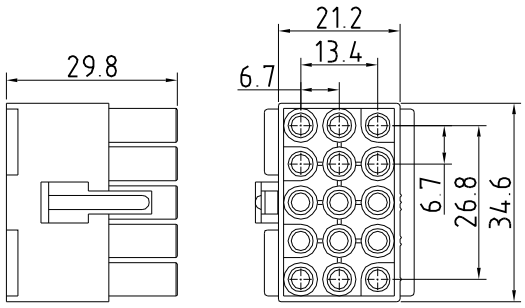
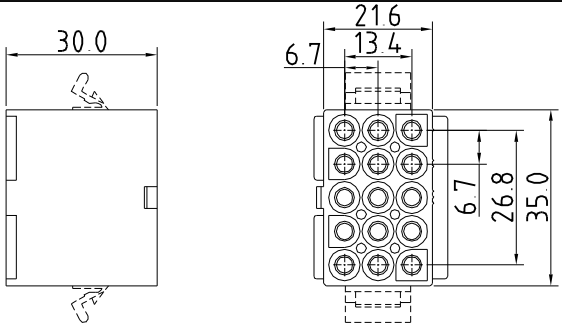
Features

Available Number of Circuits: 01 - 15

Material: Regular Thermoplastic 94V-2

Use with: TY2361HL for TY2361 Crimp Terminal , TY2362HL for TY2362 Crimp Terminal

Mates with : TY2361HL for TY2362HL

MALE HOUSING PITCH 6.70mm	FEMALE HOUSING PITCH 6.70mm
 TY2361HNO-2x03L	 TY2362HNO-2x03LW WITHOUT EARS TY2362HNO-2x03L
 TY2361HNO-3x03L	 TY2362HNO-3x03LW WITHOUT EARS TY2362HNO-3x03L
 TY2361HNO-3x04L	 TY2362HNO-3x04LW WITHOUT EARS TY2362HNO-3x04L
 TY2361HNO-3x05L	 TY2362HNO-3x05LW WITHOUT EARS TY2362HNO-3x05L

TY2361/2 SERIES

6.70mm Pitch Wire To Board Connector

Unit : mm

Wafer

Pitch 6.7mm Vertical

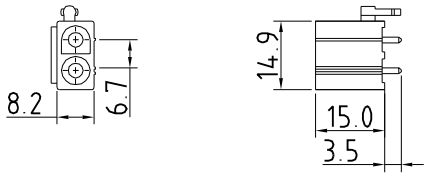
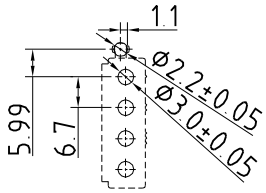
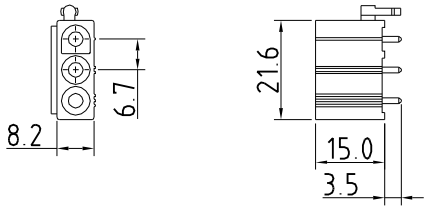
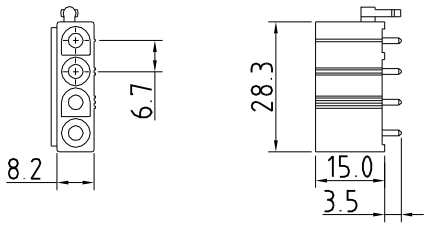
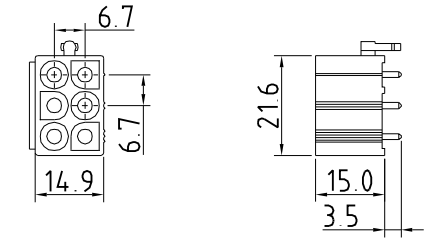
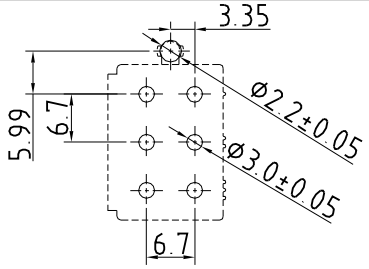
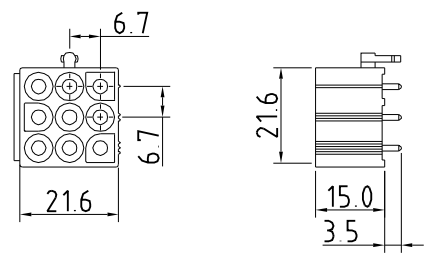
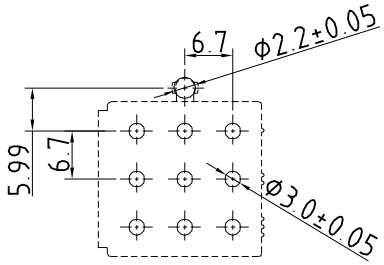
Features

Available Number of Circuits : 02 - 09

Material : Regular Thermoplastic 94V-2

Contact: ∅2.36mm(.093") , Copper Alloy, Tin-plated

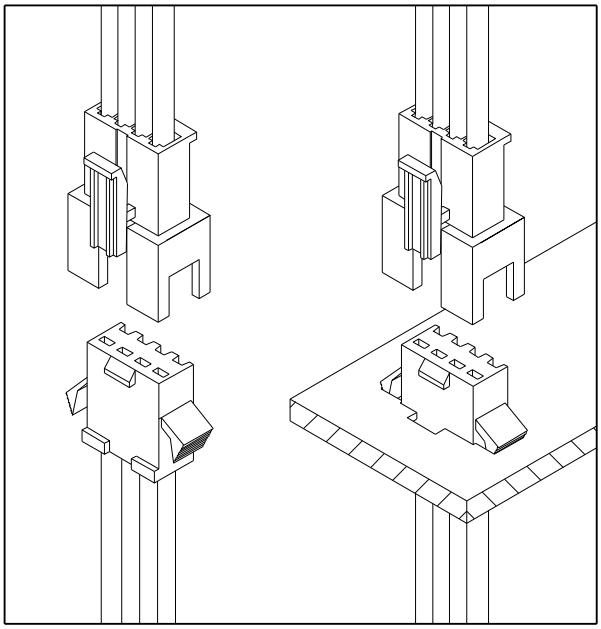
Mates with : TY2361 L-Type Housing

PITCH 6.70mm	P.C.B LAYOUT
 TY2362WNV-1x02L	
 TY2362WNV-1x03L	
 TY2362WNV-1x04L	
 TY2362WNV-2x03L	
 TY2362WNV-3x03L	

TY2361

TY3081/2 SERIES

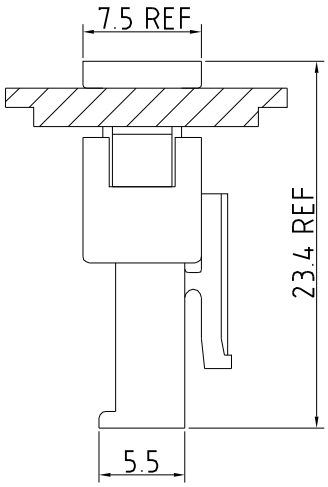
2.50mm Pitch Wire To Wire Connector



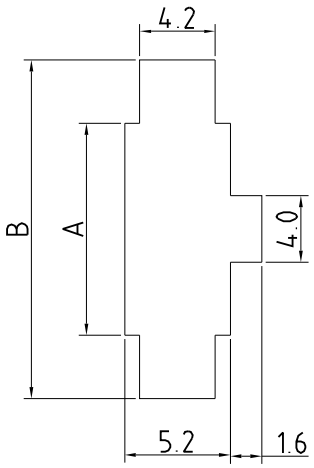
Specification

Circuits	02 - 12
Pitch	2.50mm
Current Rating	3A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	10mΩ MAX.
Withstand Voltage	800V AC/minute
Insulation Resistance	1000MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #22 - #28
Applicable P.C.B Thickness	0.8mm - 2.0mm

Assembly Layout



Panel Layout



Dimension and Order Information

Circuits	DIM.(mm)	
	A	B
2	5.70	10.00
3	8.20	12.50
4	10.70	15.00
5	13.20	17.50
6	15.70	20.00
7	18.20	22.50
8	20.70	25.00
9	23.20	27.50
10	25.70	30.00
11	28.20	32.50
12	30.70	35.00

TY3081 * - NP * (① ② ③ ④)　　TY3082 * - NP (① ② ③)

① Part No. TY3081,2	④ Mount Type W : W-Type Housing	
② Connection Type: HNO : Terminal Socket		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TY3081/2 SERIES

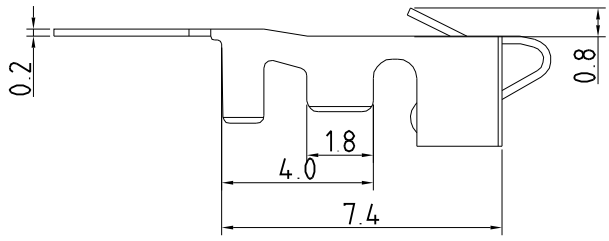
2.50mm Pitch Wire To Wire Connector

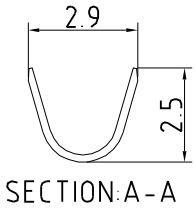
Unit : mm

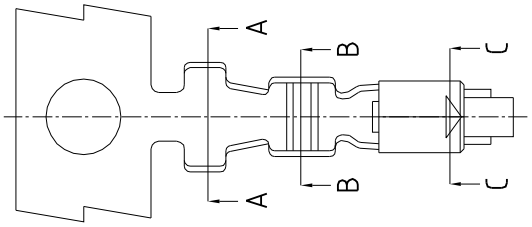
Terminal Female

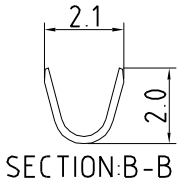
Features

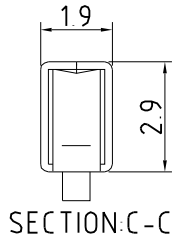
Use with: TY3081 Series Male Housing
TU3008 Series Housing











CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TY3081TBO-*	AWG #22-#28	1.70mm(MAX.)	Brass	See note	6,000 pcs

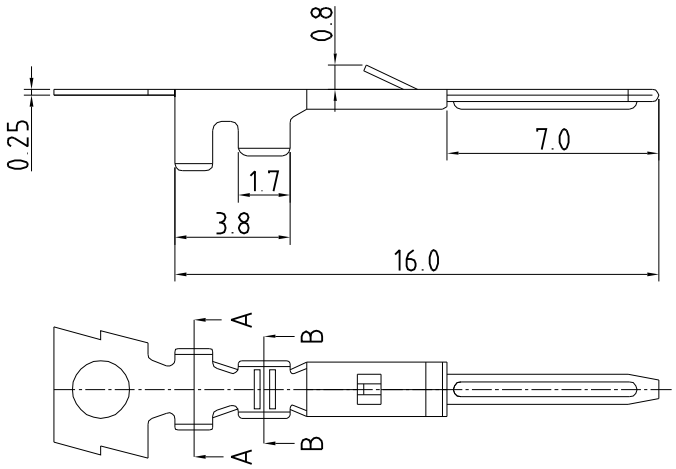
Note:

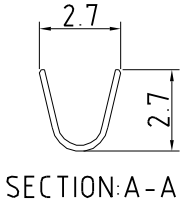
For this product in a different specification please contact TYU for more information

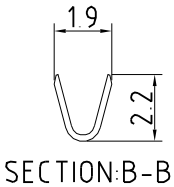
Terminal Male

Features

Use with: TY3082 Series Female Housing , TY5086 Series Male Housing







CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TY3082TBO-*	AWG #22-#28	1.70mm(MAX.)	Brass	See note	7,000 pcs

Note:

For this product in a different specification please contact TYU for more information

TY3081/2 SERIES

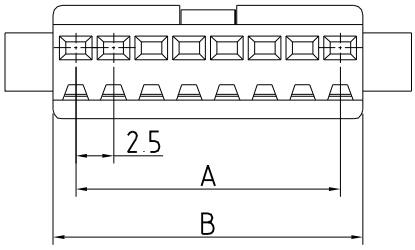
2.50mm Pitch Wire To Wire Connector

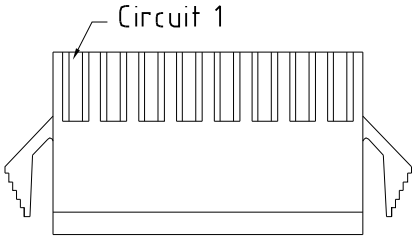
Unit : mm

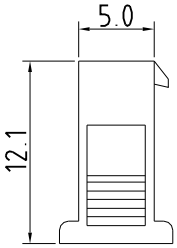
Housing Male

Features

Available Number of Circuits: 02 - 12
Material: Regular Thermoplastic 94V-0
Use with: TY3081 Crimp Terminal
Mates with : TY3082 Series Housing







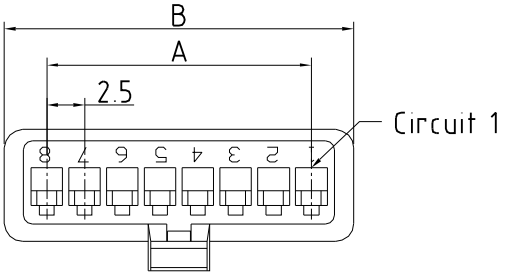
Dimension and Order Information

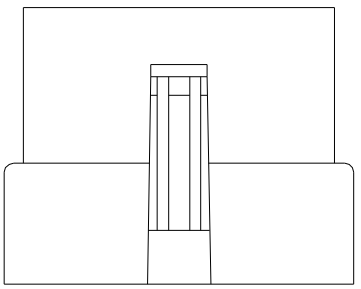
Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3081HNO-02W	2.50	5.50
3	TY3081HNO-03W	5.00	8.00
4	TY3081HNO-04W	7.50	10.50
5	TY3081HNO-05W	10.00	13.00
6	TY3081HNO-06W	12.50	15.50
7	TY3081HNO-07W	15.00	18.00
8	TY3081HNO-08W	17.50	20.50
9	TY3081HNO-09W	20.00	23.00
10	TY3081HNO-10W	22.50	25.50
11	TY3081HNO-11W	25.00	28.00
12	TY3081HNO-12W	27.50	30.50

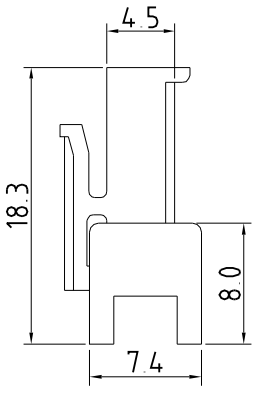
Housing Female

Features

Available Number of Circuits: 02 - 12
Material: Regular Thermoplastic 94V-0
Use with: TY3082 Crimp Terminal
Mates with : TY3081 Series Housing





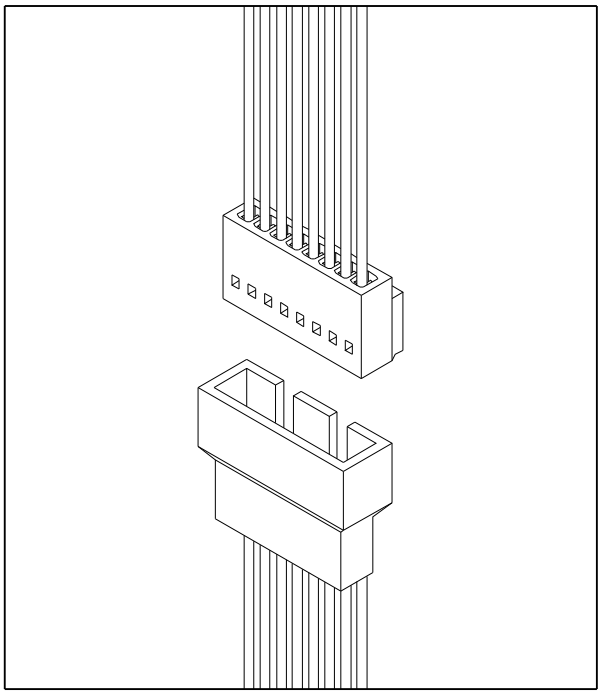


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3082HNO-02	2.50	8.10
3	TY3082HNO-03	5.00	10.60
4	TY3082HNO-04	7.50	13.10
5	TY3082HNO-05	10.00	15.60
6	TY3082HNO-06	12.50	18.10
7	TY3082HNO-07	15.00	20.60
8	TY3082HNO-08	17.50	23.10
9	TY3082HNO-09	20.00	25.60
10	TY3082HNO-10	22.50	28.10
11	TY3082HNO-11	25.00	30.60
12	TY3082HNO-12	27.50	33.10

TY3083/4 SERIES

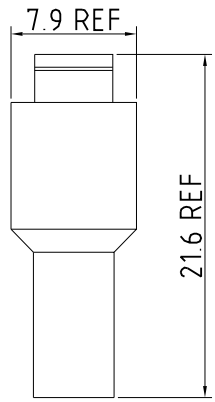
2.50mm Pitch Wire To Wire Connector



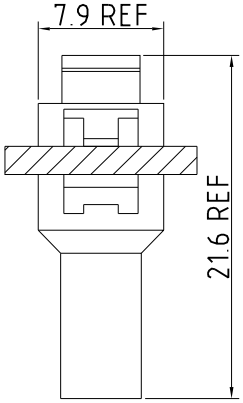
Specification

Circuits	02 - 20
Pitch	2.50mm
Current Rating	3A AC/DC
	5A AC/DC (AWG#22) (High current)
Voltage Rating	250V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	1,000V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #22 - #28
Applicable P.C.B Thickness	2.0mm (MAX.)

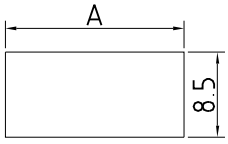
Assembly Layout



CW Type



Panel Layout



Dimension and Order Information

Circuits	DIM.(mm) A	Circuits	DIM.(mm) A
02	12.40	10	32.40
03	14.90	11	34.90
04	17.40	12	37.40
05	19.90	13	39.90
06	22.40	14	42.40
07	24.90	15	44.90
08	27.40	16	47.40
09	29.90		

TY3083 * - NP (① ② ③)　　TY3084 * - NP * (① ② ③ ④)

① Part No. TY3083,4	④ Mount Type CW : CW Type Housing	
② Connection Type: HNO : Terminal Socket		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TY3083/4 SERIES

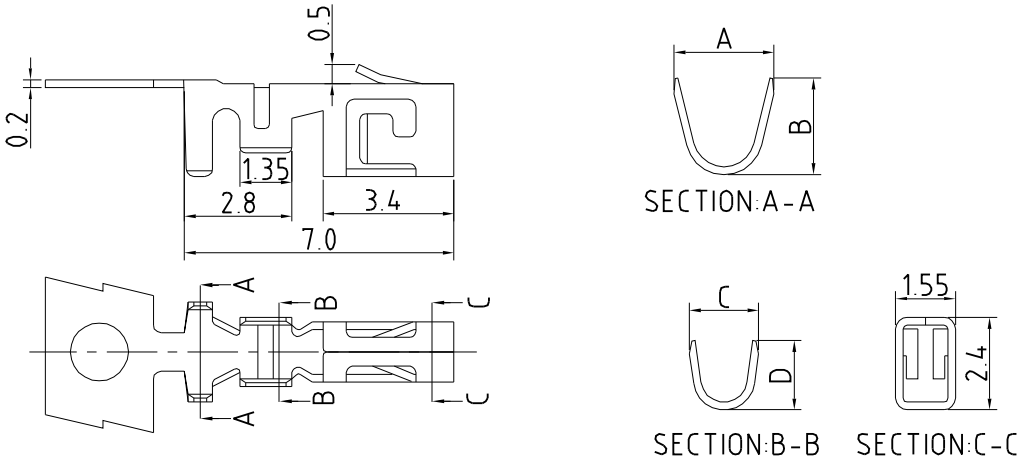
2.50mm Pitch Wire To Wire Connector

Unit : mm

Terminal Female

Features

Use with: TU3004 & TY3083 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TU3004TBL-*	AWG #24-#30	1.40mm(MAX.)	2.0	1.9	1.2	1.3	Brass	See note	8,000 pcs
TU3004TBO-*	AWG #22-#28	1.70mm(MAX.)	2.6	2.5	1.85	1.8			
TU3004TPO-*							Phosphor bronze		

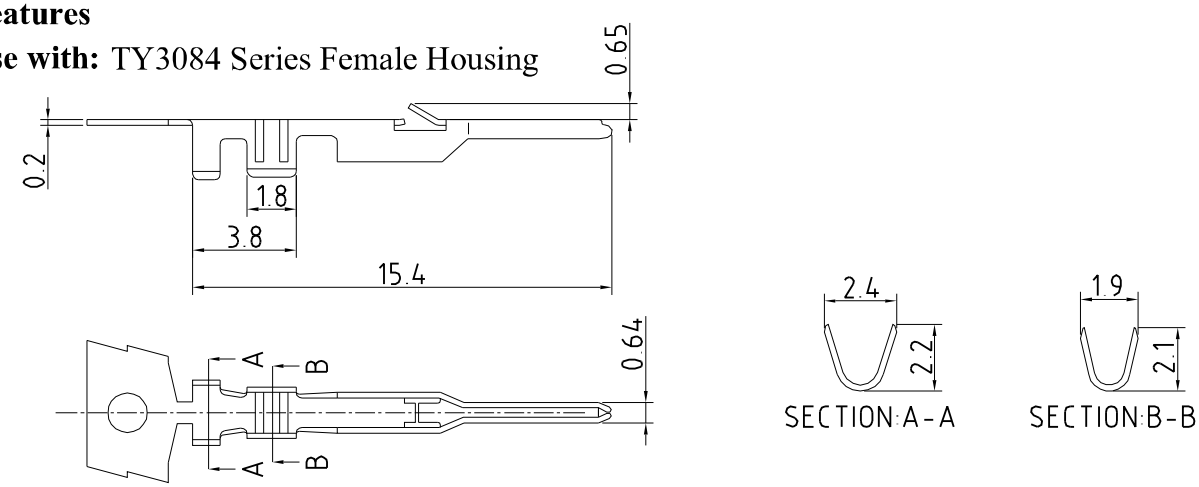
Note:

For this product in a different specification please contact TYU for more information

Terminal Male

Features

Use with: TY3084 Series Female Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TY3084TPO-*	AWG #22-#28	1.50mm(MAX.)	Phosphor bronze	See note	10,000 pcs
TY3084TBO-*			Brass		

Note:

For this product in a different specification please contact TYU for more information

TY3083/4 SERIES

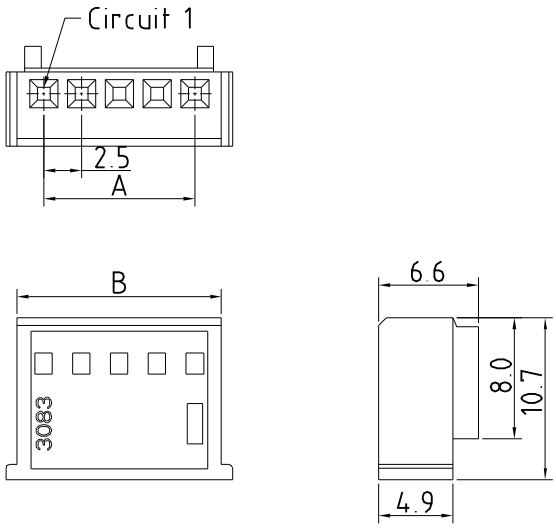
2.50mm Pitch Wire To Wire Connector

Unit : mm

Housing Male

Features

Available Number of Circuits: 02 - 20
Material: Regular Thermoplastic 94V-0
Use with: TY3004 Crimp Terminal
Mates with : TY3084 Series Housing



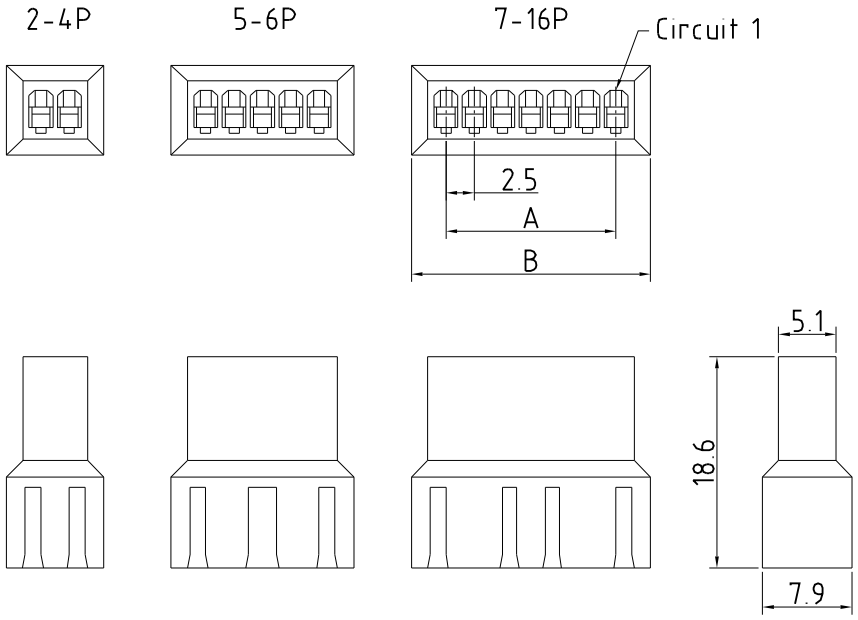
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3083HNO-02	2.50	6.00
3	TY3083HNO-03	5.00	8.50
4	TY3083HNO-04	7.50	11.00
5	TY3083HNO-05	10.00	13.50
6	TY3083HNO-06	12.50	16.00
7	TY3083HNO-07	15.00	18.50
8	TY3083HNO-08	17.50	21.00
9	TY3083HNO-09	20.00	23.50
10	TY3083HNO-10	22.50	26.00
11	TY3083HNO-11	25.00	28.50
12	TY3083HNO-12	27.50	31.00
13	TY3083HNO-13	30.00	33.50
14	TY3083HNO-14	32.50	36.00
15	TY3083HNO-15	35.00	38.50
16	TY3083HNO-16	37.50	41.00
17	TY3083HNO-17	40.00	43.50
18	TY3083HNO-18	42.50	46.00
19	TY3083HNO-19	45.00	48.50
20	TY3083HNO-20	47.50	51.00

Housing Female

Features

Available Number of Circuits: 02 - 20
Material: Regular Thermoplastic 94V-0
Use with: TY3084 Crimp Terminal
Mates with : TY3083 Series Housing



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3084HNO-02	2.50	8.60
3	TY3084HNO-03	5.00	11.10
4	TY3084HNO-04	7.50	13.60
5	TY3084HNO-05	10.00	16.10
6	TY3084HNO-06	12.50	18.60
7	TY3084HNO-07	15.00	21.10
8	TY3084HNO-08	17.50	23.60
9	TY3084HNO-09	20.00	26.10
10	TY3084HNO-10	22.50	28.60
11	TY3084HNO-11	25.00	31.10
12	TY3084HNO-12	27.50	33.60
13	TY3084HNO-13	30.00	36.10
14	TY3084HNO-14	32.50	38.60
15	TY3084HNO-15	35.00	41.10
16	TY3084HNO-16	37.50	43.60
17	TY3084HNO-17	40.00	46.10
18	TY3084HNO-18	42.50	48.60
19	TY3084HNO-19	45.00	51.10
20	TY3084HNO-20	47.50	53.60

TY3083/4 SERIES

2.50mm Pitch Wire To Wire Connector

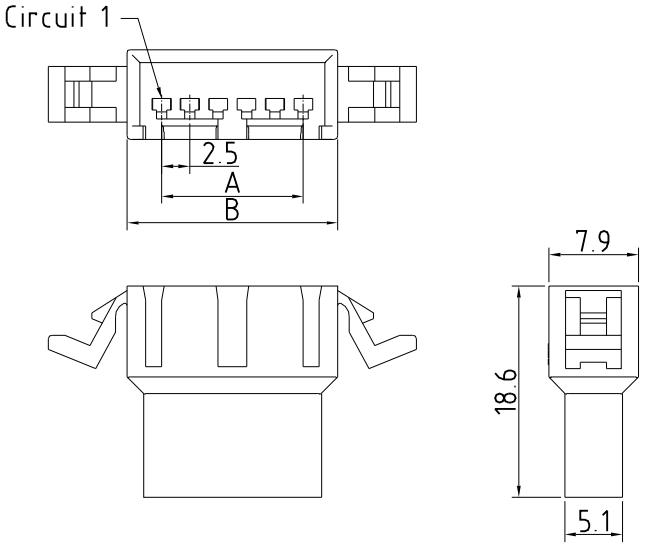
Unit : mm

Housing

Female CW Type

Features

Available Number of Circuits: 02 - 16
Material: Regular Thermoplastic 94V-0
Use with: TY3084 Crimp Terminal
Mates with : TY3083 Series Housing

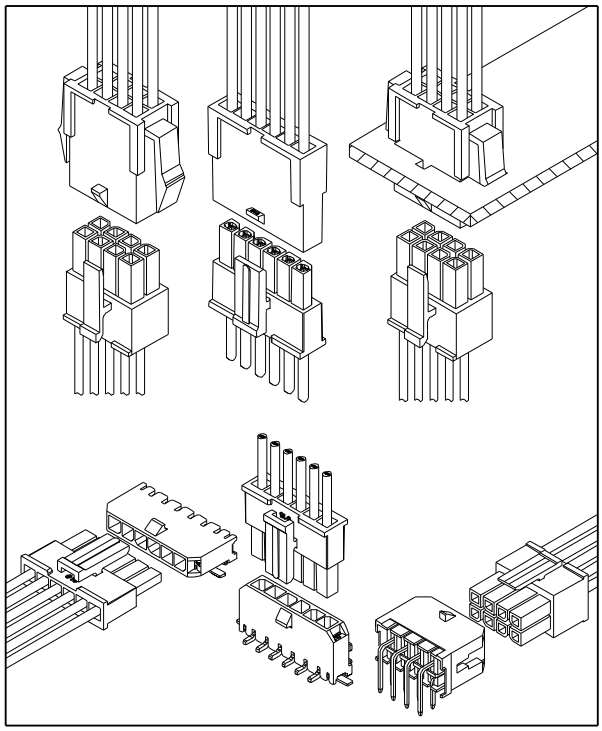


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3084HNO-02CW	2.50	8.60
3	TY3084HNO-03CW	5.00	11.10
4	TY3084HNO-04CW	7.50	13.60
5	TY3084HNO-05CW	10.00	16.10
6	TY3084HNO-06CW	12.50	18.60
7	TY3084HNO-07CW	15.00	21.10
8	TY3084HNO-08CW	17.50	23.60
9	TY3084HNO-09CW	20.00	26.10
10	TY3084HNO-10CW	22.50	28.60
11	TY3084HNO-11CW	25.00	31.10
12	TY3084HNO-12CW	27.50	33.60
13	TY3084HNO-13CW	30.00	36.10
14	TY3084HNO-14CW	32.50	38.60
15	TY3084HNO-15CW	35.00	41.10
16	TY3084HNO-16CW	37.50	43.60

TY3085/6 SERIES

3.00mm Pitch Wire To Wire Connector



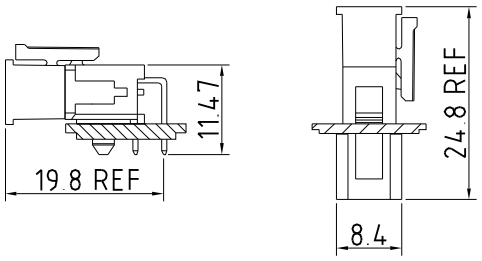
Specification

Circuits	1x02 - 1x12 , 2x01 - 2x12
Pitch	3.00mm
Current Rating	5A AC/DC
	12A AC/DC (High current)
Voltage Rating	250V AC/DC
Contact Resistance	10mΩ MAX.
Withstand Voltage	1,500V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #16 - #30
Applicable P.C.B Thickness	1.57mm (MAX.)

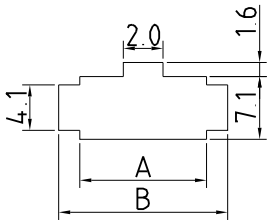
Assembly Layout

Right Angle Type

DIP-Type



Panel Layout



Dimension and Order Information

Circuits	DIM.(mm)	
	A	B
2x1	4.20	7.90
2x2	7.20	10.90
2x3	10.20	13.90
2x4	13.20	16.90
2x5	16.20	19.90
2x6	19.20	22.90
2x7	22.20	25.90
2x8	25.20	28.90
2x9	28.20	31.90
2x10	31.20	34.90
2x11	34.20	37.90
2x12	37.20	40.90

TY3085 * - * x NP *
① ② ③ ④

TY3086 * - * x NP * - * - *
① ② ③ ④ ⑤ ⑥

① Part No. TY3085,6

② Connection Type:
HNO : Terminal Socket
WNV : Vertical Wafer
WGV : High Current Vertical Wafer
WNR : Right Angle Wafer
WGR : High Current Right Angle Wafer

③ Number of Contacts:
1xNP : Single row
2xNP : Dual row

④ Mount Type
W:With Ears
F:With Boss
S:SMT Type
E:E Type
SE:SMT E Type

⑤ Product Color
Blank : As Specified
C* : Color of number

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TY3085/6 SERIES

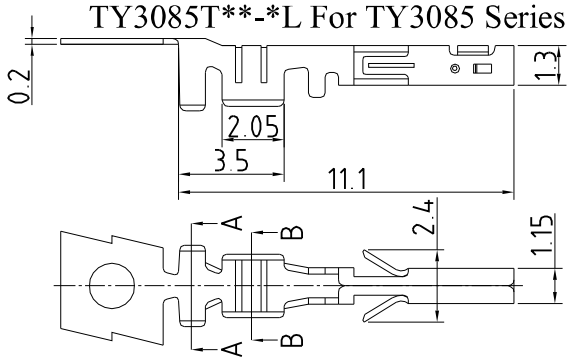
3.00mm Pitch Wire To Wire Connector

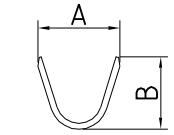
Unit : mm

Terminal Female

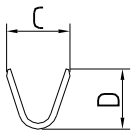
Features

Use with: TY3085T**-* For TY3085 Series Male Houing less than 12PIN.
TY3085T**-*L For TY3085 Series Male Houing above (inclusive) 12PIN.





SECTION:A-A



SECTION:B-B

CONTACT INFORMATION

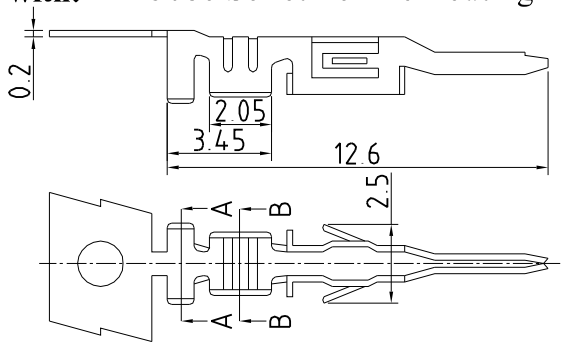
Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TY3085TBL-*	AWG #26-#30	1.40mm(MAX.)	2.4	2.0	1.8	1.6	Brass	See note	10,000 pcs
TY3085TPL-*	AWG #26-#30	1.40mm(MAX.)	2.4	2.0	1.8	1.6	Phosphor bronze		
TY3085TBH-*	AWG #20-#24	1.80mm(MAX.)	2.6	2.4	1.9	2.0	Brass		
TY3085TPH-*	AWG #20-#24	1.80mm(MAX.)	2.6	2.4	1.9	2.0	Phosphor bronze		
TY3085TPL-*L	AWG#26-#30	1.40mm(MAX.)	2.4	2.0	1.8	1.6	Phosphor bronze	See note	10,000 pcs
TY3085TPH-*L	AWG#20-#24	1.80mm(MAX.)	2.6	2.4	1.9	2.0			
TY3085TPH-*-DH	AWG#16-#18	2.20mm(MAX.)	3.1	3.5	2.6	2.8	Phosphor bronze	See note	7,000 pcs
TY3085TGH-*-DH	AWG#16-#18	2.20mm(MAX.)	3.1	3.5	2.6	2.8	High current		

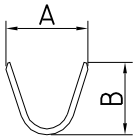
Note:
For this product in a different specification please contact TYU for more information

Terminal Male

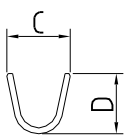
Features

Use with: TY3086 Series Female Housing





SECTION:A-A



SECTION:B-B

CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TY3086TBL-*	AWG #26-#30	1.40mm(MAX.)	2.4	1.9	1.8	1.6	Brass	See note	10,000 pcs
TY3086TPL-*	AWG #26-#30	1.40mm(MAX.)	2.4	1.9	1.8	1.6	Phosphor bronze		
TY3086TBH-*	AWG #20-#24	1.80mm(MAX.)	2.9	2.4	2.1	2.0	Brass	See note	10,000 pcs
TY3086TPH-*	AWG #20-#24	1.80mm(MAX.)	2.9	2.4	2.1	2.0	Phosphor bronze		
TY3086TPH-*-DH	AWG #16-#20	2.20mm(MAX.)	3.1	3.3	2.8	2.6	Phosphor bronze	See note	7,000 pcs
TY3086TGH-*-DH	AWG #16-#20	2.20mm(MAX.)	3.1	3.3	2.8	2.6	High current		

Note:
For this product in a different specification please contact TYU for more information

TY3085/6 SERIES

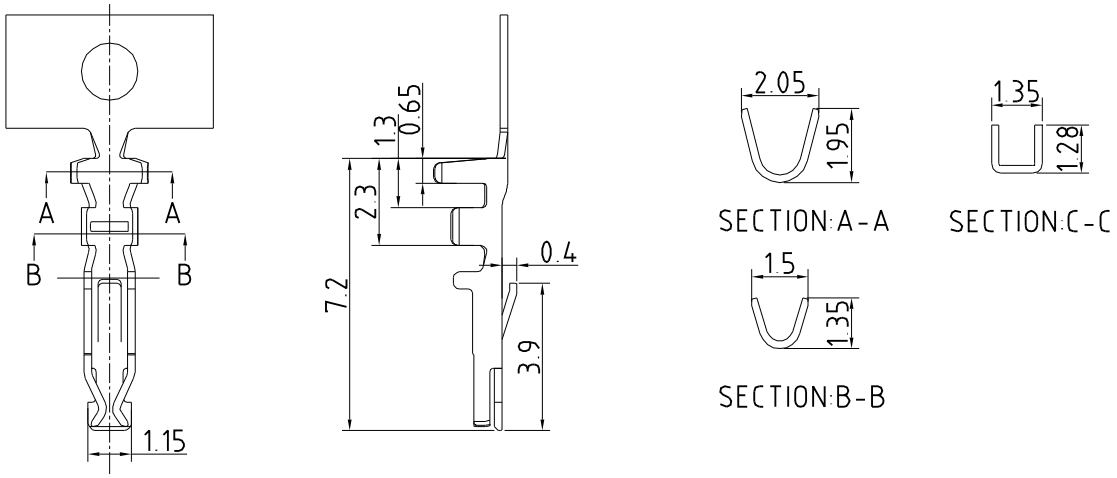
3.00mm Pitch Wire To Wire Connector

Unit : mm

Terminal Female

Features

Use with: TY3085HNO-2xNP5 Houing Signal



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU2085TBO-*	AWG #28	1.20mm(MAX.)	Brass	See note	10,000pcs

Note:
For this product in a different specification please contact TYU for more information

Housing Male Dual Row

Features

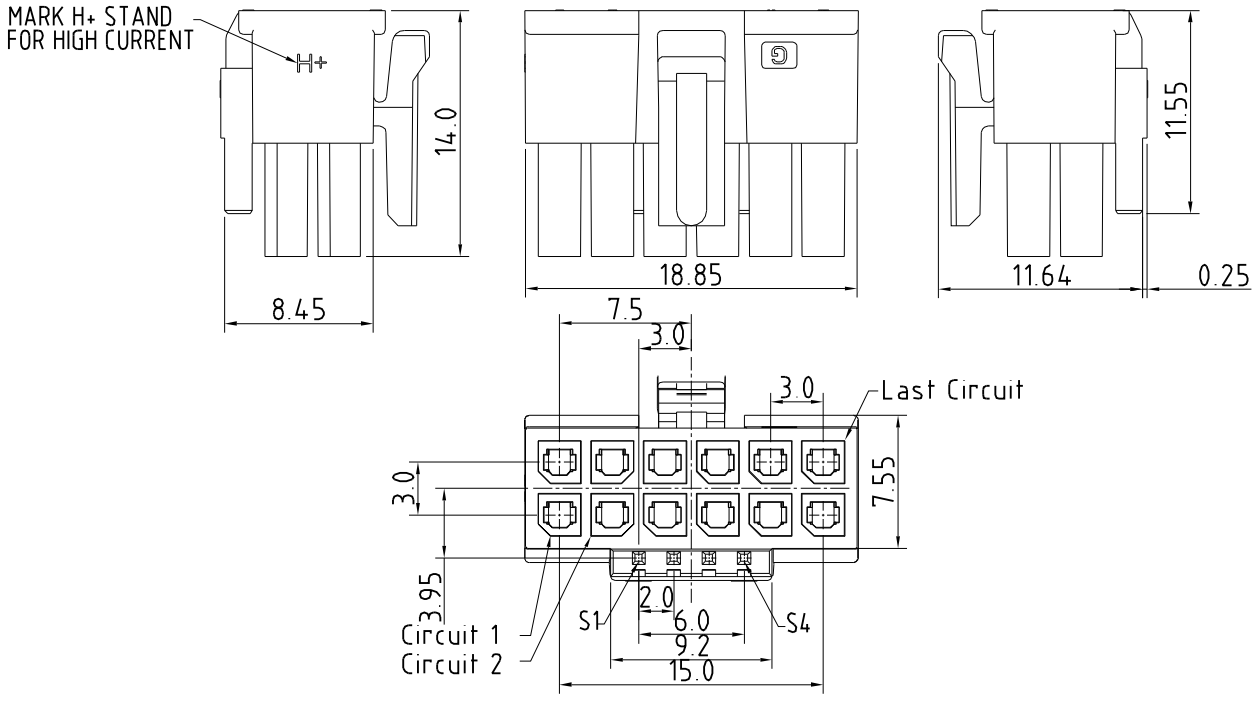
Available Number of Circuits: 2x06

Material: Regular Thermoplastic 94V-0

Use with: TY3085TGH-*-DH Power & TY2085TBO-* Signal

Mates with : TY3086WGR-2x062K-*5* & TY3086WGR-2x062K-*6* Wafer

Part No. : TY3085HNO-2x065



TY3085/6 SERIES

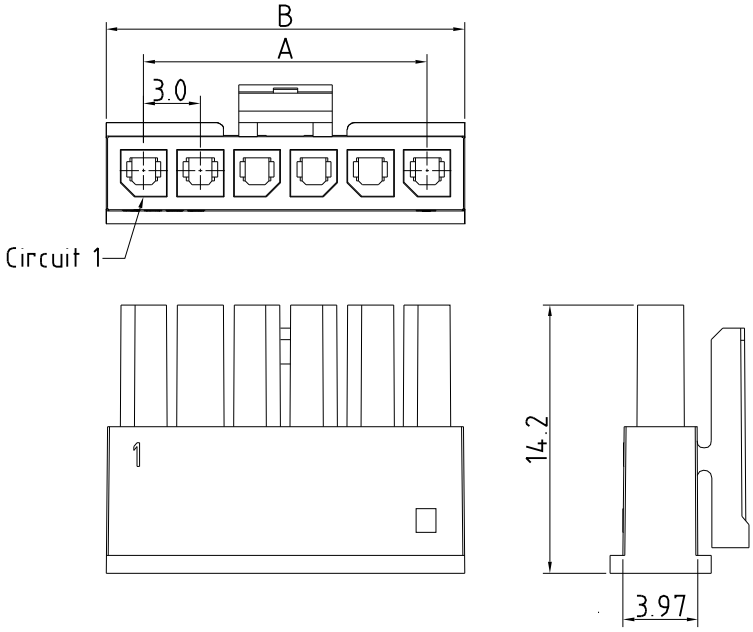
3.00mm Pitch Wire To Wire Connector

Unit : mm

Housing Male Single Row

Features

Available Number of Circuits: 02 - 12
Material: Regular Thermoplastic 94V-0
Use with: TY3085 Crimp Terminal
Mates with : TY3086 Series Single Row Housing or Wafer



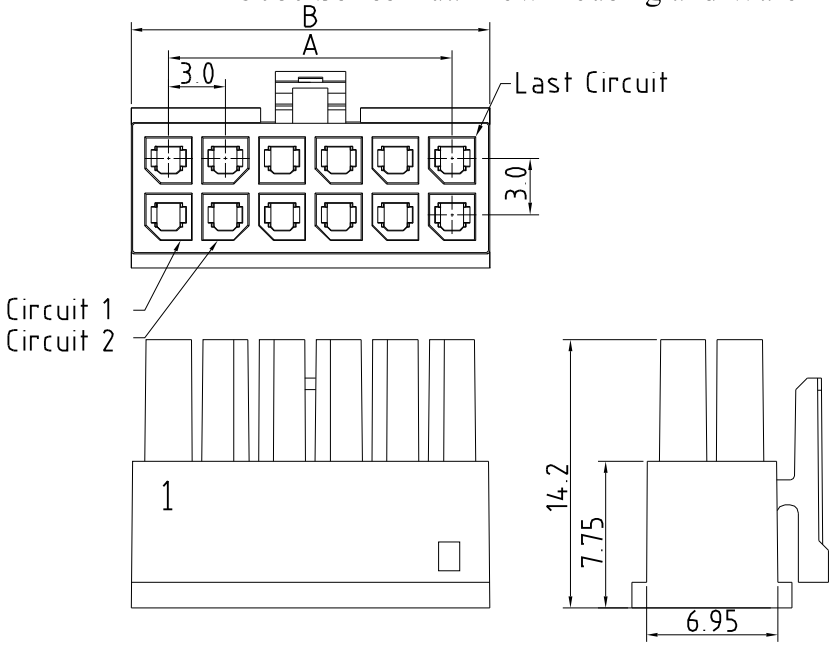
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3085HNO-1x02	3.00	6.85
3	TY3085HNO-1x03	6.00	9.85
4	TY3085HNO-1x04	9.00	12.85
5	TY3085HNO-1x05	12.00	15.85
6	TY3085HNO-1x06	15.00	18.85
7	TY3085HNO-1x07	18.00	21.85
8	TY3085HNO-1x08	21.00	24.85
9	TY3085HNO-1x09	24.00	27.85
10	TY3085HNO-1x10	27.00	30.85
11	TY3085HNO-1x11	30.00	33.85
12	TY3085HNO-1x12	33.00	36.85

Housing Male Dual Row

Features

Available Number of Circuits: 2x01 - 2x12
Material: Regular Thermoplastic 94V-0
Use with: TY3085 Crimp Terminal
Mates with : TY3086 Series Dual Row Housing and Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3085HNO-2x01	--	3.85
4	TY3085HNO-2x02	3.00	6.85
6	TY3085HNO-2x03	6.00	9.85
8	TY3085HNO-2x04	9.00	12.85
10	TY3085HNO-2x05	12.00	15.85
12	TY3085HNO-2x06	15.00	18.85
14	TY3085HNO-2x07	18.00	21.85
16	TY3085HNO-2x08	21.00	24.85
18	TY3085HNO-2x09	24.00	27.85
20	TY3085HNO-2x10	27.00	30.85
22	TY3085HNO-2x11	30.00	33.85
24	TY3085HNO-2x12	33.00	36.85

TY3085/6 SERIES

3.00mm Pitch Wire To Wire Connector

Unit : mm

Housing

Male Dual Row

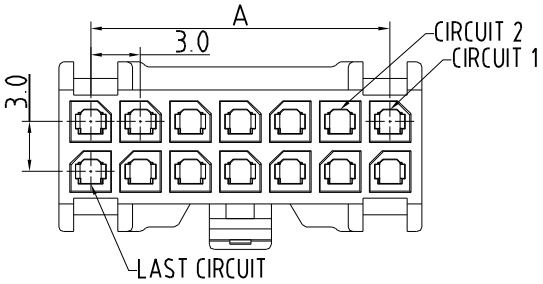
Features

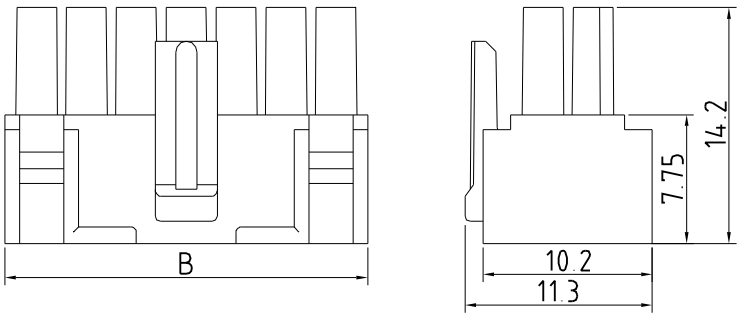
Available Number of Circuits: 2x04 - 2x12

Material: Regular Thermoplastic 94V-0

Use with: TY3085 Crimp Terminal

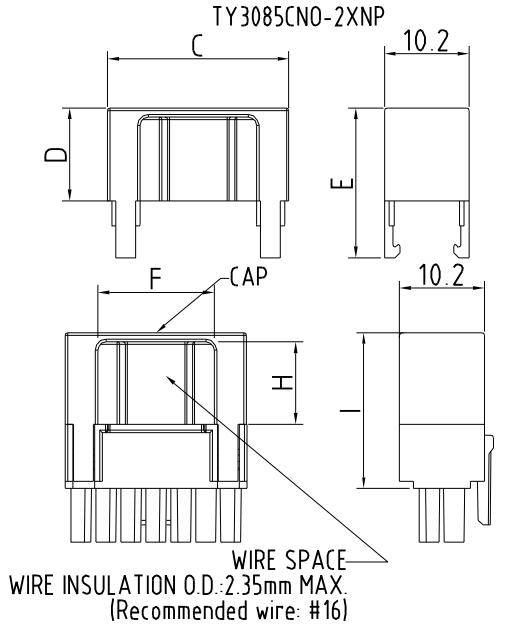
Mates with : TY3086 Series Dual Row Housing or Wafer

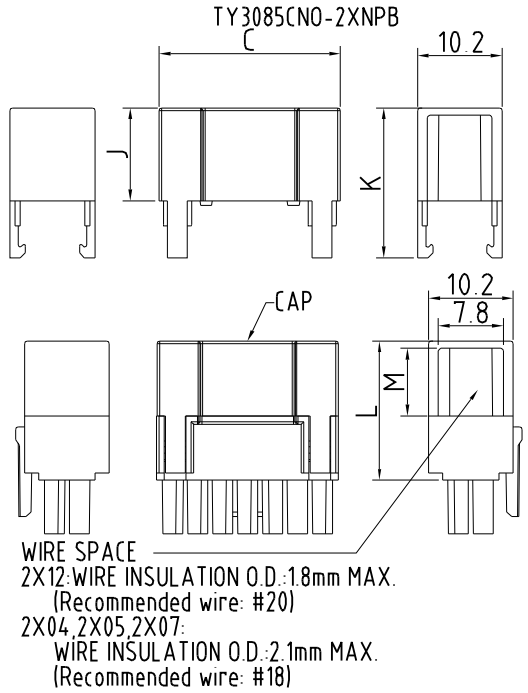




Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3085HNO-2x042	9.00	12.85
10	TY3085HNO-2x052	12.00	15.85
14	TY3085HNO-2x072	18.00	21.85
24	TY3085HNO-2x122	33.00	36.85





Dimension and Order Information

Circuits	Part No.	DIM.(mm)									
		C	D	E	F	H	I	J	K	L	M
2	TY3085CNO-2x04*	12.80	12.50	19.35	5.80	11.40	20.25	7.30	14.15	15.05	6.40
10	TY3085CNO-2x05*	15.80	12.50	19.35	8.00	11.40	20.25	9.20	16.05	16.95	8.30
14	TY3085CNO-2x07*	21.80	11.20	18.05	14.00	10.10	18.95	11.20	18.05	18.95	10.30
24	TY3085CNO-2x12*	36.80	9.10	15.95	27.80	8.00	18.95	12.50	19.35	20.25	11.60

TY3085/6 SERIES

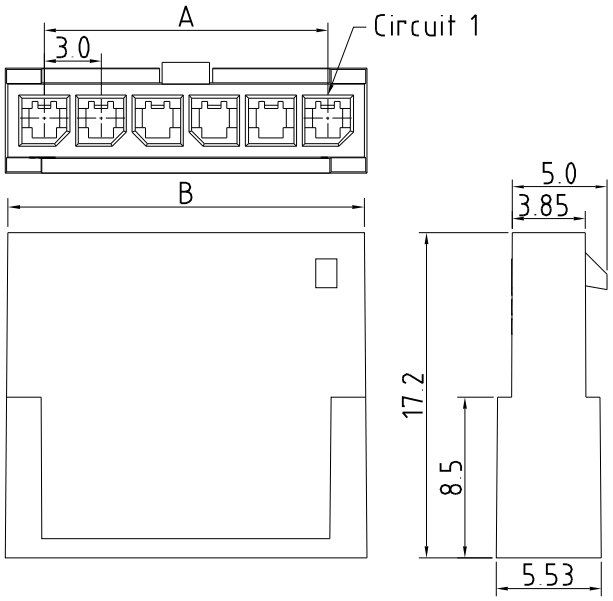
3.00mm Pitch Wire To Wire Connector

Unit : mm

Housing Female Single Row

Features

Available Number of Circuits: 02 - 12
Material: Regular Thermoplastic 94V-0
Use with: TY3086 Crimp Terminal
Mates with : TY3085 Series Single Row Housing



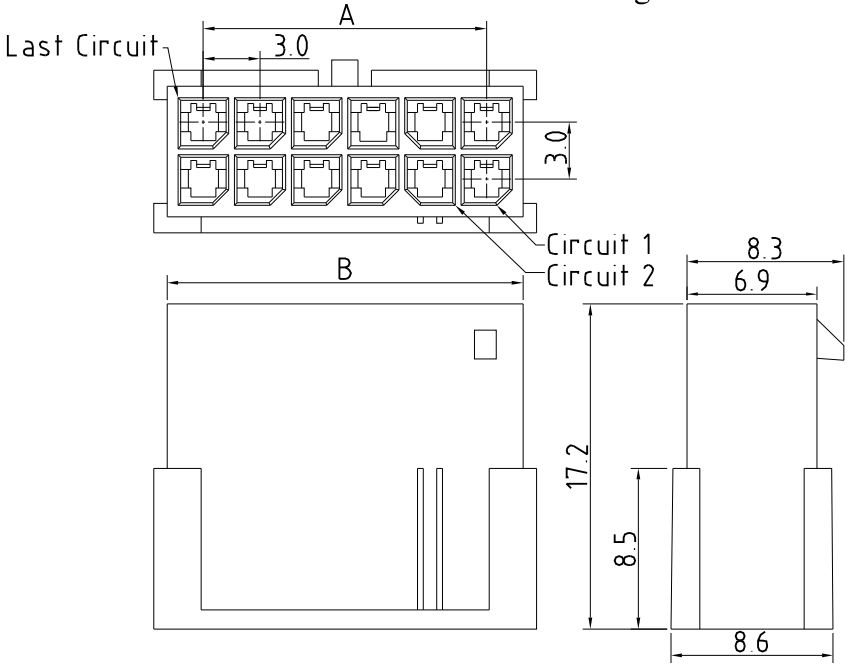
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3086HNO-1x02	3.00	6.85
3	TY3086HNO-1x03	6.00	9.85
4	TY3086HNO-1x04	9.00	12.85
5	TY3086HNO-1x05	12.00	15.85
6	TY3086HNO-1x06	15.00	18.85
7	TY3086HNO-1x07	18.00	21.85
8	TY3086HNO-1x08	21.00	24.85
9	TY3086HNO-1x09	24.00	27.85
10	TY3086HNO-1x10	27.00	30.85
11	TY3086HNO-1x11	30.00	33.85
12	TY3086HNO-1x12	33.00	36.85

Housing Female Dual Row

Features

Available Number of Circuits: 2x01 - 2x12
Material: Regular Thermoplastic 94V-0
Use with: TY3086 Crimp Terminal
Mates with : TY3085 Series Dual Row Housing



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3086HNO-2x01	--	3.85
4	TY3086HNO-2x02	3.00	6.85
6	TY3086HNO-2x03	6.00	9.85
8	TY3086HNO-2x04	9.00	12.85
10	TY3086HNO-2x05	12.00	15.85
12	TY3086HNO-2x06	15.00	18.85
14	TY3086HNO-2x07	18.00	21.85
16	TY3086HNO-2x08	21.00	24.85
18	TY3086HNO-2x09	24.00	27.85
20	TY3086HNO-2x10	27.00	30.85
22	TY3086HNO-2x11	30.00	33.85
24	TY3086HNO-2x12	33.00	36.85

TY3085/6 SERIES

3.00mm Pitch Wire To Wire Connector

Unit : mm

Housing Female Single Row

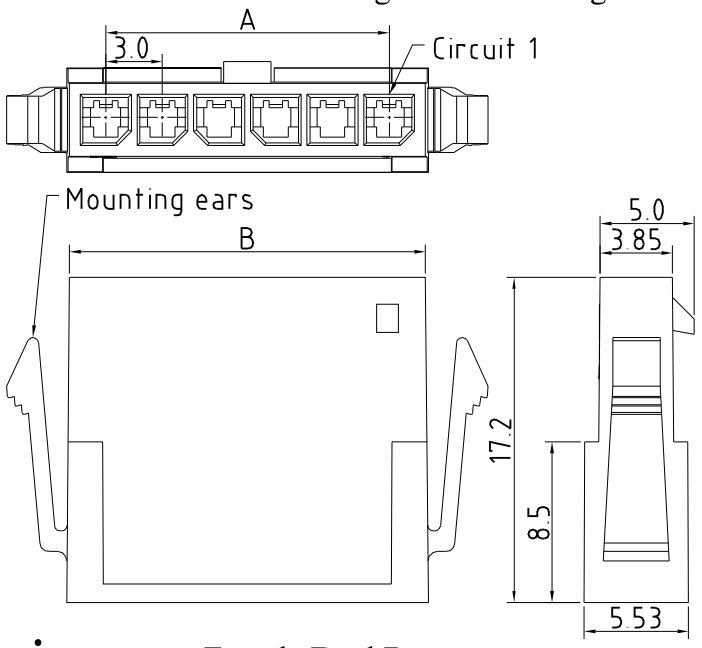
Features

Available Number of Circuits: 02 - 12

Material: Regular Thermoplastic 94V-0

Use with: TY3086 Crimp Terminal

Mates with : TY3085 Series Single Row Housing



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3086HNO-1x02W	3.00	6.85
3	TY3086HNO-1x03W	6.00	9.85
4	TY3086HNO-1x04W	9.00	12.85
5	TY3086HNO-1x05W	12.00	15.85
6	TY3086HNO-1x06W	15.00	18.85
7	TY3086HNO-1x07W	18.00	21.85
8	TY3086HNO-1x08W	21.00	24.85
9	TY3086HNO-1x09W	24.00	27.85
10	TY3086HNO-1x10W	27.00	30.85
11	TY3086HNO-1x11W	30.00	33.85
12	TY3086HNO-1x12W	33.00	36.85

Housing Female Dual Row

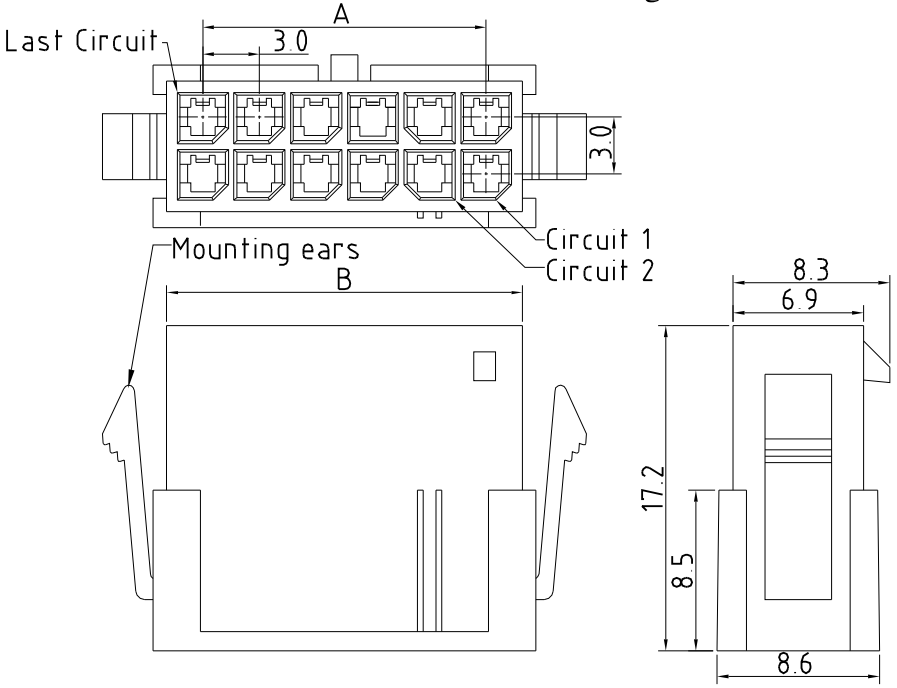
Features

Available Number of Circuits: 2x01 - 2x12

Material: Regular Thermoplastic 94V-0

Use with: TY3086 Crimp Terminal

Mates with : TY3085 Series Dual Row Housing



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3086HNO-2x01W	--	3.85
4	TY3086HNO-2x02W	3.00	6.85
6	TY3086HNO-2x03W	6.00	9.85
8	TY3086HNO-2x04W	9.00	12.85
10	TY3086HNO-2x05W	12.00	15.85
12	TY3086HNO-2x06W	15.00	18.85
14	TY3086HNO-2x07W	18.00	21.85
16	TY3086HNO-2x08W	21.00	24.85
18	TY3086HNO-2x09W	24.00	27.85
20	TY3086HNO-2x10W	27.00	30.85
22	TY3086HNO-2x11W	30.00	33.85
24	TY3086HNO-2x12W	33.00	36.85

TY3085/6 SERIES

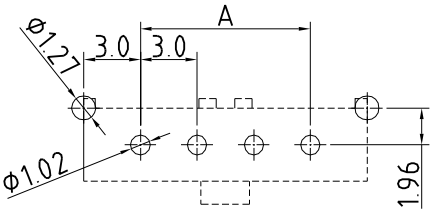
3.00mm Pitch Wire To Board Connector

Unit : mm

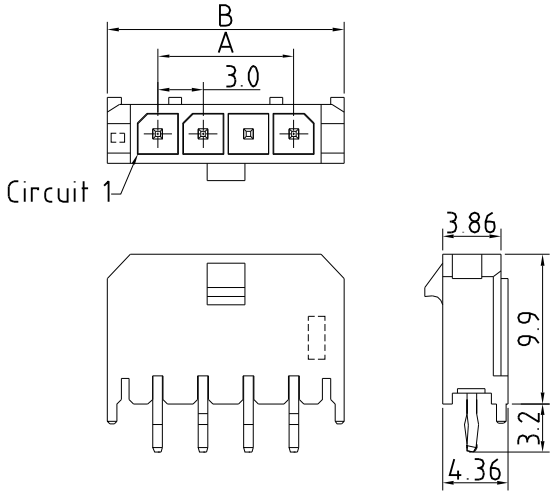
Wafer Vertical Single Row

Features

Available Number of Circuits: 02 - 12
Material: High Temperature Thermoplastic 94V-0
Mates with: TY3085 Series Single Row Housing
Contact : 0.64mm(.025") Copper Alloy, Tin-plated



P.C.B LAYOUT



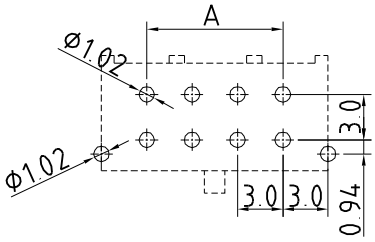
Dimension And Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3086W*V-1x02-*	3.00	9.65
3	TY3086W*V-1x03-*	6.00	12.65
4	TY3086W*V-1x04-*	9.00	15.65
5	TY3086W*V-1x05-*	12.00	18.65
6	TY3086W*V-1x06-*	15.00	21.65
7	TY3086W*V-1x07-*	18.00	24.65
8	TY3086W*V-1x08-*	21.00	27.65
9	TY3086W*V-1x09-*	24.00	30.65
10	TY3086W*V-1x10-*	27.00	33.65
11	TY3086W*V-1x11-*	30.00	36.65
12	TY3086W*V-1x12-*	33.00	39.65

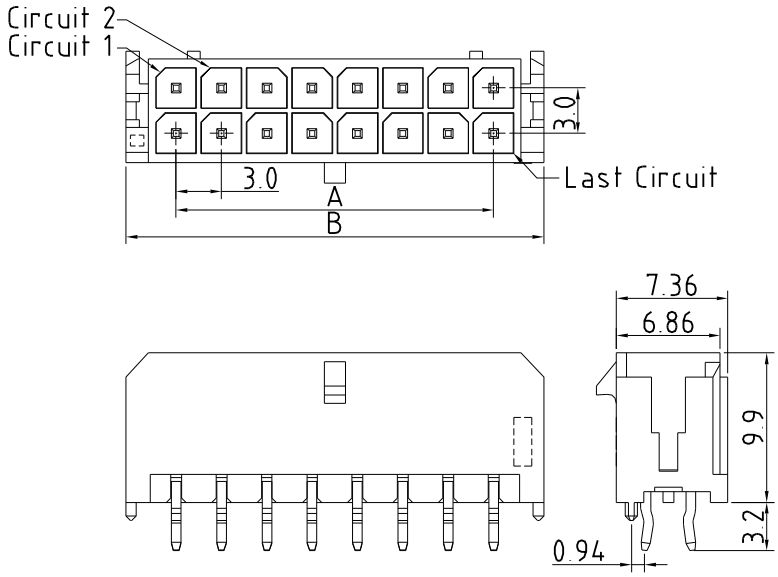
Wafer Vertical Dual Row

Features

Available Number of Circuits: 2x01- 2x12
Material: High Temperature Thermoplastic 94V-0
Mates with: TY3085 Series Dual Row Housing
Contact : 0.64mm(.025") Copper Alloy, Tin-plated



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3086W*V-2x01-*	–	6.65
4	TY3086W*V-2x02-*	3.00	9.65
6	TY3086W*V-2x03-*	6.00	12.65
8	TY3086W*V-2x04-*	9.00	15.65
10	TY3086W*V-2x05-*	12.00	18.65
12	TY3086W*V-2x06-*	15.00	21.65
14	TY3086W*V-2x07-*	18.00	24.65
16	TY3086W*V-2x08-*	21.00	27.65
18	TY3086W*V-2x09-*	24.00	30.65
20	TY3086W*V-2x10-*	27.00	33.65
22	TY3086W*V-2x11-*	30.00	36.65
24	TY3086W*V-2x12-*	33.00	39.65

TY3085/6 SERIES

3.00mm Pitch Wire To Board Connector

Unit : mm

Wafer

Right Angle Single Row F Type

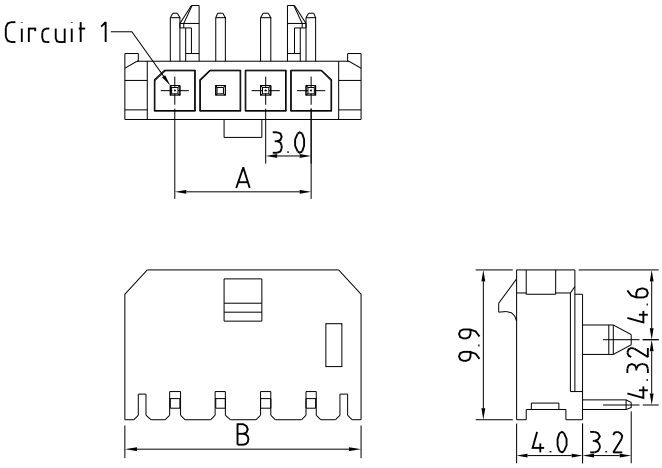
Features

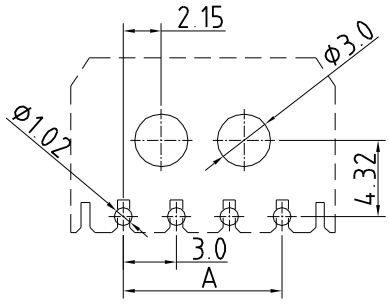
Available Number of Circuits: 02 - 12

Material: High Temperature Thermoplastic 94V-0

Mates with: TY3085 Series Single Row Housing

Contact : 0.64mm(.025") Copper Alloy, Tin-plated





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3086W*R-1x02F-*-*	3.00	9.65
3	TY3086W*R-1x03F-*-*	6.00	12.65
4	TY3086W*R-1x04F-*-*	9.00	15.65
5	TY3086W*R-1x05F-*-*	12.00	18.65
6	TY3086W*R-1x06F-*-*	15.00	21.65
7	TY3086W*R-1x07F-*-*	18.00	24.65
8	TY3086W*R-1x08F-*-*	21.00	27.65
9	TY3086W*R-1x09F-*-*	24.00	30.65
10	TY3086W*R-1x10F-*-*	27.00	33.65
11	TY3086W*R-1x11F-*-*	30.00	36.65
12	TY3086W*R-1x12F-*-*	33.00	39.65

Wafer

Right Angle Dual Row F Type

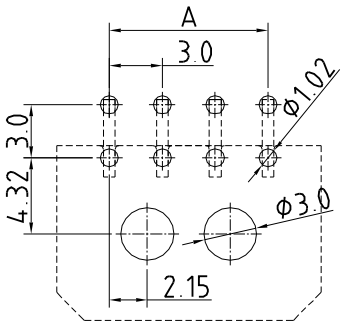
Features

Available Number of Circuits: 2x01 - 2x12

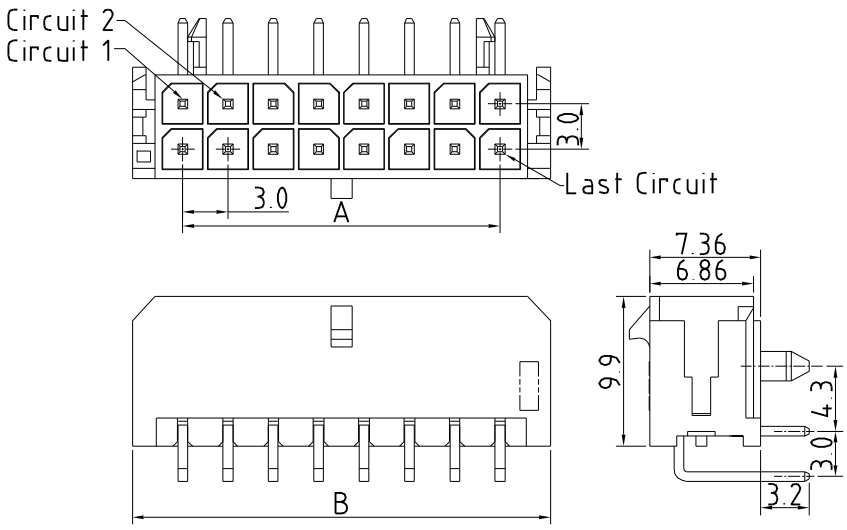
Material: High Temperature Thermoplastic 94V-0

Mates with: TY3085 Series Dual Row Housing

Contact : 0.64mm(.025") Copper Alloy, Tin-plated



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3086W*R-2x01F-*-*	--	6.65
4	TY3086W*R-2x02F-*-*	3.00	9.65
6	TY3086W*R-2x03F-*-*	6.00	12.65
8	TY3086W*R-2x04F-*-*	9.00	15.65
10	TY3086W*R-2x05F-*-*	12.00	18.65
12	TY3086W*R-2x06F-*-*	15.00	21.65
14	TY3086W*R-2x07F-*-*	18.00	24.65
16	TY3086W*R-2x08F-*-*	21.00	27.65
18	TY3086W*R-2x09F-*-*	24.00	30.65
20	TY3086W*R-2x10F-*-*	27.00	33.65
22	TY3086W*R-2x11F-*-*	30.00	36.65
24	TY3086W*R-2x12F-*-*	33.00	39.65

TY3085/6 SERIES

3.00mm Pitch Wire To Board Connector

Unit : mm

Wafer

Right Angle Dual Row Type

Features

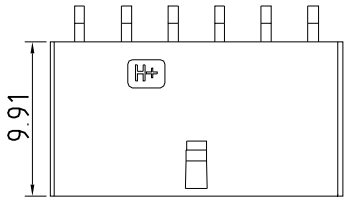
Available Number of Circuits : 2x06

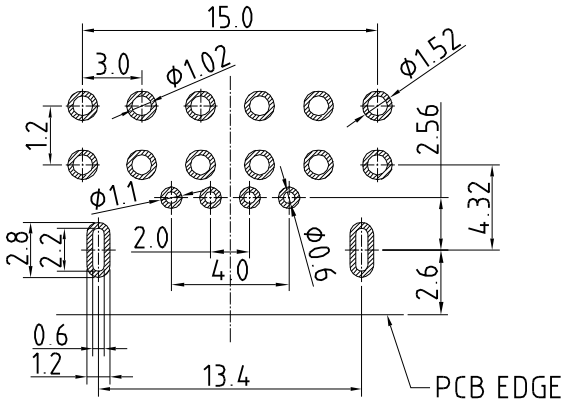
Material : High Temperature Thermoplastic 94V-0

Contact Power PIN : 0.64mm(.025") High Current , Gold plated

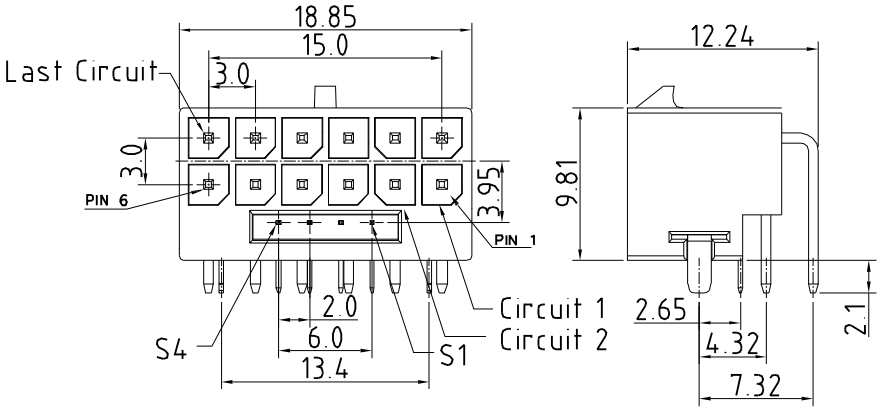
Contact Signal PIN : 0.30mm(.012") Copper Alloy , Gold plated

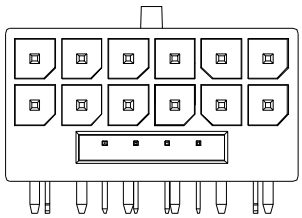
Mates with : TY3085HNO-2x065 Series Housing



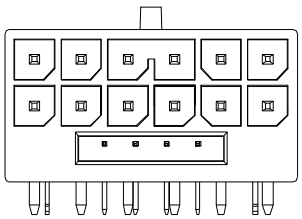


P.C.B LAYOUT





Part No. : TY3086WGR-2x062K-*5*



Part No. : TY3086WGR-2x062K-*6*

TY3085/6 SERIES

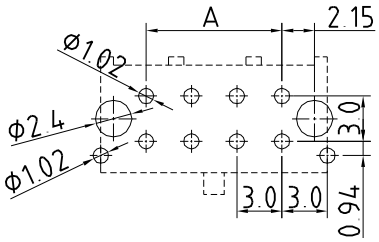
3.00mm Pitch Wire To Board Connector

Unit : mm

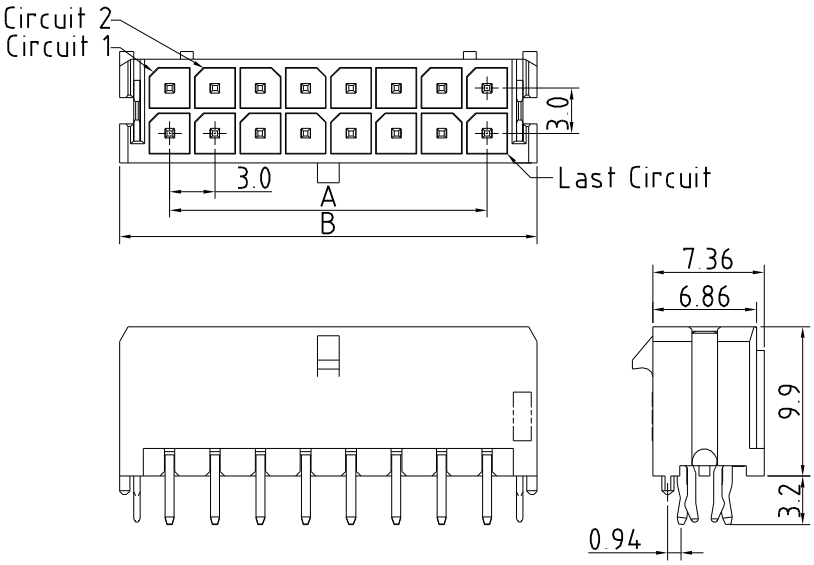
Wafer Vertical Dual Row E Type

Features

Available Number of Circuits: 2x01- 2x12
Material: High Temperature Thermoplastic 94V-0
Mates with: TY3085 Series Dual Row Housing
Contact : 0.64mm(.025") Copper Alloy, Tin-plated



P.C.B LAYOUT



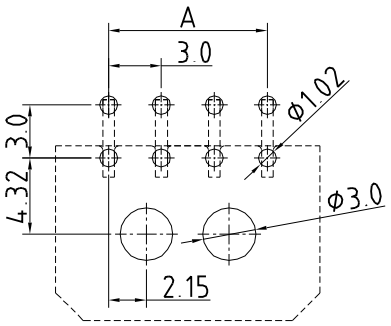
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3086W*V-2x01E	–	6.65
4	TY3086W*V-2x02E	3.00	9.65
6	TY3086W*V-2x03E	6.00	12.65
8	TY3086W*V-2x04E	9.00	15.65
10	TY3086W*V-2x05E	12.00	18.65
12	TY3086W*V-2x06E	15.00	21.65
14	TY3086W*V-2x07E	18.00	24.65
16	TY3086W*V-2x08E	21.00	27.65
18	TY3086W*V-2x09E	24.00	30.65
20	TY3086W*V-2x10E	27.00	33.65
22	TY3086W*V-2x11E	30.00	36.65
24	TY3086W*V-2x12E	33.00	39.65

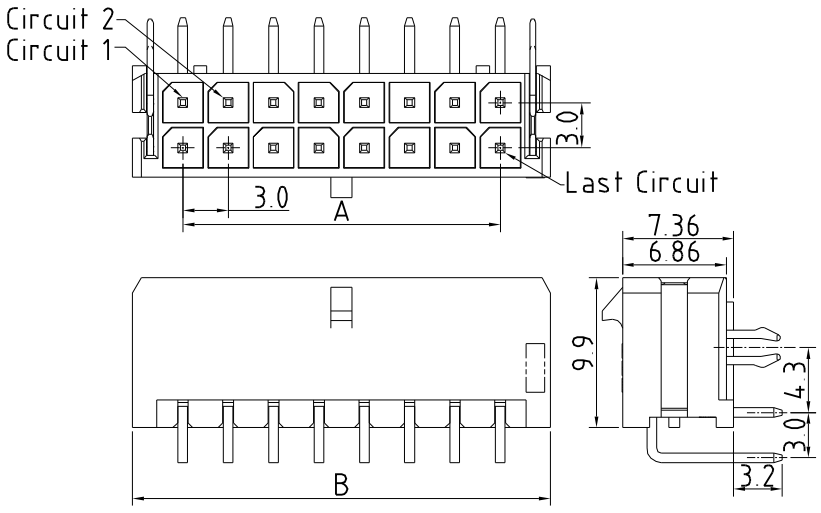
Wafer Right Angle Dual Row E Type

Features

Available Number of Circuits: 2x01 - 2x12
Material: High Temperature Thermoplastic 94V-0
Mates with: TY3085 Series Dual Row Housing
Contact : 0.64mm(.025") Copper Alloy,Tin-plated



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3086W*R-2x01E	--	6.65
4	TY3086W*R-2x02E	3.00	9.65
6	TY3086W*R-2x03E	6.00	12.65
8	TY3086W*R-2x04E	9.00	15.65
10	TY3086W*R-2x05E	12.00	18.65
12	TY3086W*R-2x06E	15.00	21.65
14	TY3086W*R-2x07E	18.00	24.65
16	TY3086W*R-2x08E	21.00	27.65
18	TY3086W*R-2x09E	24.00	30.65
20	TY3086W*R-2x10E	27.00	33.65
22	TY3086W*R-2x11E	30.00	36.65
24	TY3086W*R-2x12E	33.00	39.65

TY3085/6 SERIES

3.00mm Pitch Wire To Board Connector

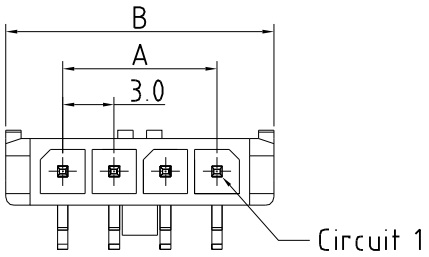
Unit : mm

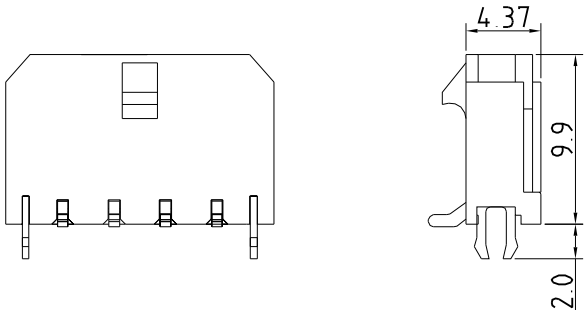
Wafer

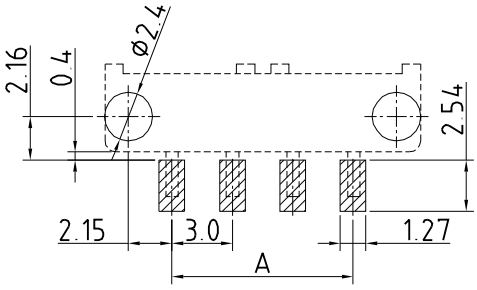
Vertical Single Row SMT E Type

Features

Available Number of Circuits: 02 - 12
Material: High Temperature Thermoplastic 94V-0
Mates with: TY3085 Series Single Row Housing
Contact : 0.64mm(.025") Copper Alloy, Tin-plated







P.C.B LAYOUT

Dimension and Order Information

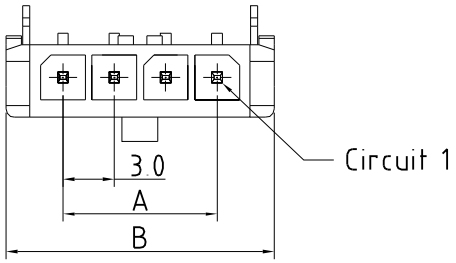
Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3086WNV-1x02SE	3.00	9.65
3	TY3086WNV-1x03SE	6.00	12.65
4	TY3086WNV-1x04SE	9.00	15.65
5	TY3086WNV-1x05SE	12.00	18.65
6	TY3086WNV-1x06SE	15.00	21.65
7	TY3086WNV-1x07SE	18.00	24.65
8	TY3086WNV-1x08SE	21.00	27.65
9	TY3086WNV-1x09SE	24.00	30.65
10	TY3086WNV-1x10SE	27.00	33.65
11	TY3086WNV-1x11SE	30.00	36.65
12	TY3086WNV-1x12SE	33.00	39.65

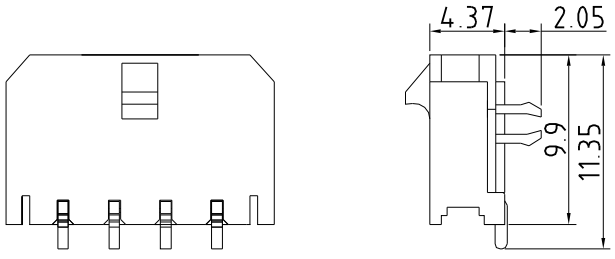
Wafer

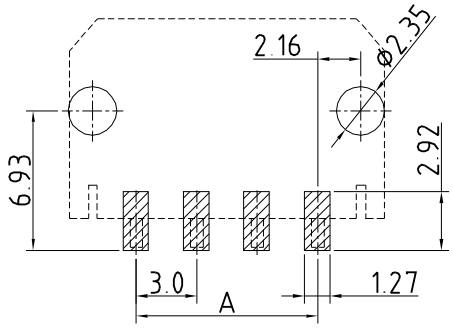
Right Angle Single Row SMT E Type

Features

Available Number of Circuits: 02 - 12
Material: High Temperature Thermoplastic 94V-0
Mates with: TY3085 Series Single Row Housing
Contact : 0.64mm(.025") Copper Alloy, Matte-Tin







P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3086WNR-1x02SE	3.00	9.65
3	TY3086WNR-1x03SE	6.00	12.65
4	TY3086WNR-1x04SE	9.00	15.65
5	TY3086WNR-1x05SE	12.00	18.65
6	TY3086WNR-1x06SE	15.00	21.65
7	TY3086WNR-1x07SE	18.00	24.65
8	TY3086WNR-1x08SE	21.00	27.65
9	TY3086WNR-1x09SE	24.00	30.65
10	TY3086WNR-1x10SE	27.00	33.65
11	TY3086WNR-1x11SE	30.00	36.65
12	TY3086WNR-1x12SE	33.00	39.65

TY3085/6 SERIES

3.00mm Pitch Wire To Board Connector

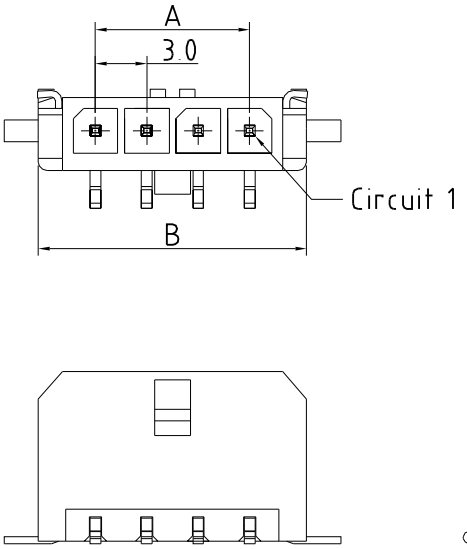
Unit : mm

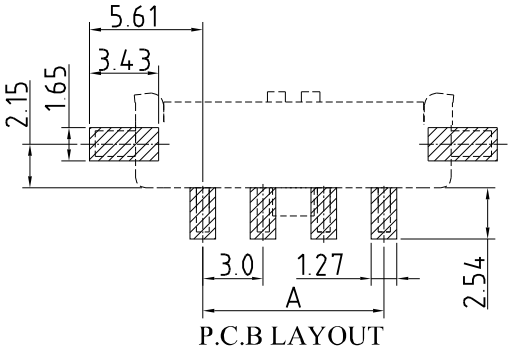
Wafer

Vertical Single Row SMT Type

Features

Available Number of Circuits: 02 - 12
Material: High Temperature Thermoplastic 94V-0
Mates with: TY3085 Series Single Row Housing
Contact : 0.64mm(.025") Copper Alloy, Tin-plated





P.C.B LAYOUT

Dimension and Order Information

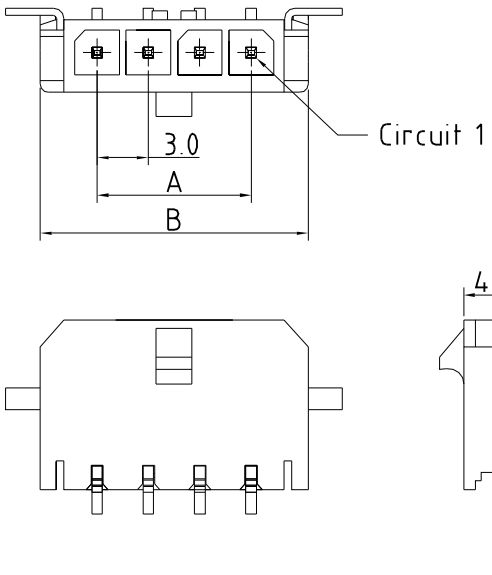
Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3086WNV-1x02S	3.00	9.65
3	TY3086WNV-1x03S	6.00	12.65
4	TY3086WNV-1x04S	9.00	15.65
5	TY3086WNV-1x05S	12.00	18.65
6	TY3086WNV-1x06S	15.00	21.65
7	TY3086WNV-1x07S	18.00	24.65
8	TY3086WNV-1x08S	21.00	27.65
9	TY3086WNV-1x09S	24.00	30.65
10	TY3086WNV-1x10S	27.00	33.65
11	TY3086WNV-1x11S	30.00	36.65
12	TY3086WNV-1x12S	33.00	39.65

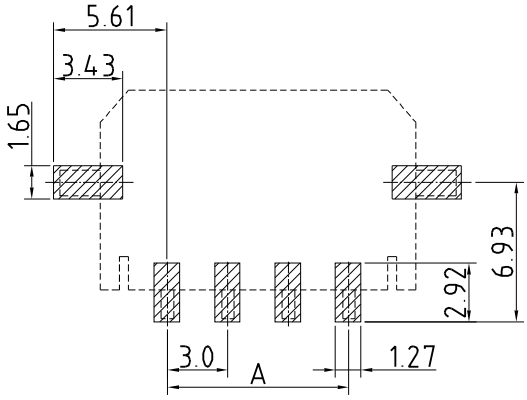
Wafer

Right Angle Single Row SMT Type

Features

Available Number of Circuits: 02 - 12
Material: High Temperature Thermoplastic 94V-0
Mates with: TY3085 Series Single Row Housing
Contact : 0.64mm(.025") Copper Alloy, Matte-Tin





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3086WNR-1x02S	3.00	9.65
3	TY3086WNR-1x03S	6.00	12.65
4	TY3086WNR-1x04S	9.00	15.65
5	TY3086WNR-1x05S	12.00	18.65
6	TY3086WNR-1x06S	15.00	21.65
7	TY3086WNR-1x07S	18.00	24.65
8	TY3086WNR-1x08S	21.00	27.65
9	TY3086WNR-1x09S	24.00	30.65
10	TY3086WNR-1x10S	27.00	33.65
11	TY3086WNR-1x11S	30.00	36.65
12	TY3086WNR-1x12S	33.00	39.65

TY3085/6 SERIES

3.00mm Pitch Wire To Board Connector

Unit : mm

Wafer

Vertical Dual Row SMT Type

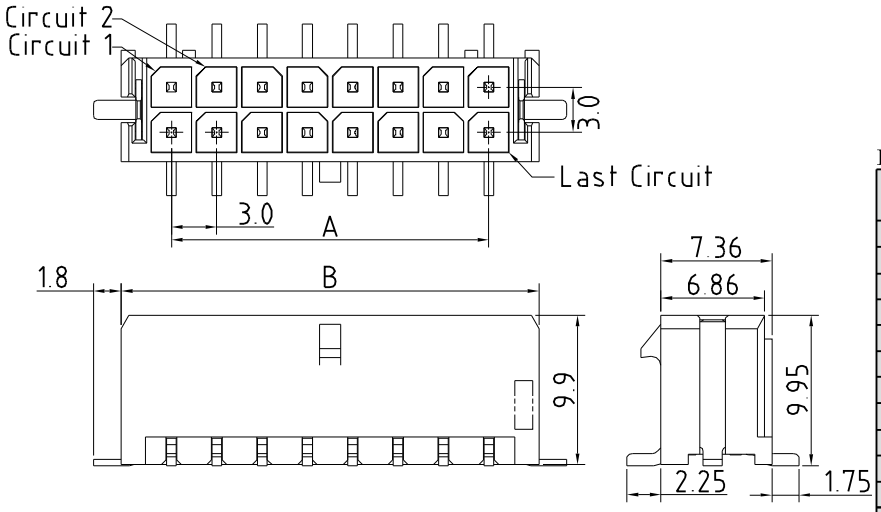
Features

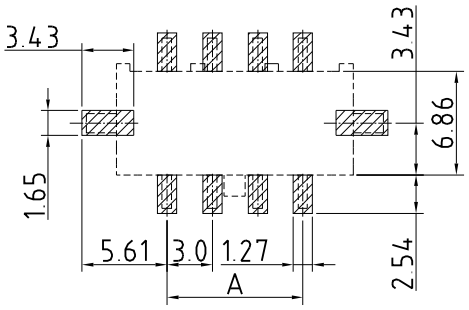
Available Number of Circuits: 2x01- 2x12

Material: High Temperature Thermoplastic 94V-0

Mates with: TY3085 Series Dual Row Housing

Contact : WNV:0.64mm(.025") Copper Alloy, Tin-plated
WGV:0.64mm(.025") High Current, Tin-plated





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3086W*V-2x01S	--	6.65
4	TY3086W*V-2x02S	3.00	9.65
6	TY3086W*V-2x03S	6.00	12.65
8	TY3086W*V-2x04S	9.00	15.65
10	TY3086W*V-2x05S	12.00	18.65
12	TY3086W*V-2x06S	15.00	21.65
14	TY3086W*V-2x07S	18.00	24.65
16	TY3086W*V-2x08S	21.00	27.65
18	TY3086W*V-2x09S	24.00	30.65
20	TY3086W*V-2x10S	27.00	33.65
22	TY3086W*V-2x11S	30.00	36.65
24	TY3086W*V-2x12S	33.00	39.65

Wafer

Right Angle Dual Row SMT Type

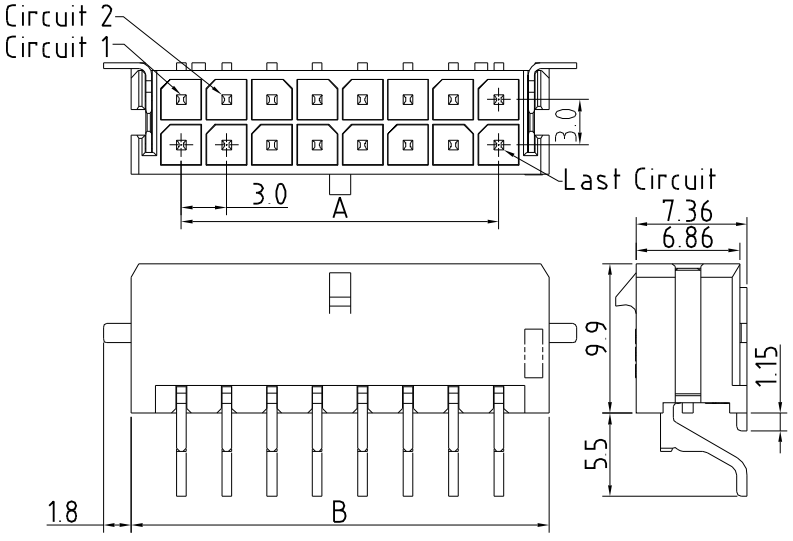
Features

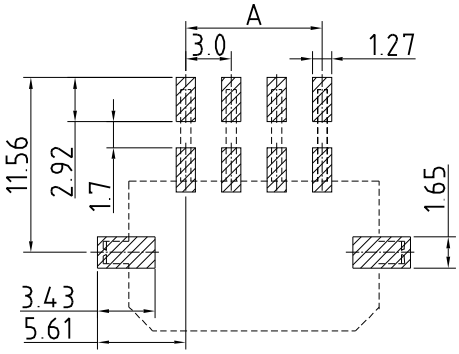
Available Number of Circuits: 2x01 - 2x12

Material: High Temperature Thermoplastic 94V-0

Mates with: TY3085 Series Dual Row Housing

Contact : WNR:0.64mm(.025") Copper Alloy,Tin-plated
WGR:0.64mm(.025") High Current,Tin-plated





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3086W*R-2x01S-*-*	--	6.65
4	TY3086W*R-2x02S-*-*	3.00	9.65
6	TY3086W*R-2x03S-*-*	6.00	12.65
8	TY3086W*R-2x04S-*-*	9.00	15.65
10	TY3086W*R-2x05S-*-*	12.00	18.65
12	TY3086W*R-2x06S-*-*	15.00	21.65
14	TY3086W*R-2x07S-*-*	18.00	24.65
16	TY3086W*R-2x08S-*-*	21.00	27.65
18	TY3086W*R-2x09S-*-*	24.00	30.65
20	TY3086W*R-2x10S-*-*	27.00	33.65
22	TY3086W*R-2x11S-*-*	30.00	36.65
24	TY3086W*R-2x12S-*-*	33.00	39.65

TY3085/6 SERIES

3.00mm Pitch Wire To Board Connector

Unit : mm

Wafer

Vertical Dual Row SMT E Type

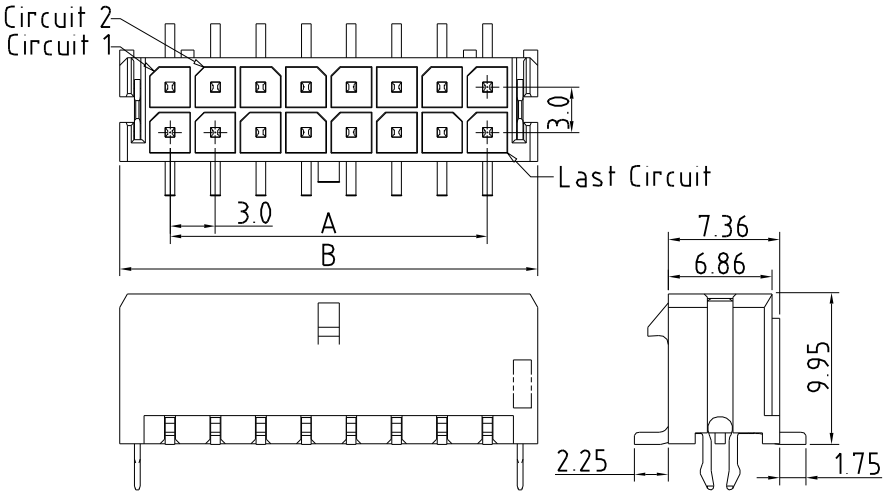
Features

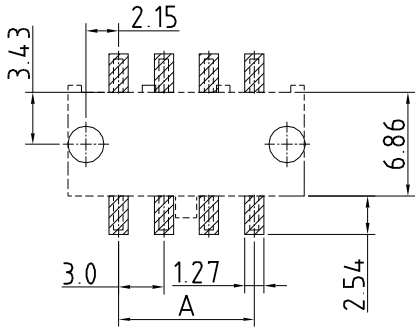
Available Number of Circuits: 2x01- 2x12

Material: High Temperature Thermoplastic 94V-0

Mates with: TY3085 Series Dual Row Housing

Contact : WNV:0.64mm(.025") Copper Alloy, Tin-plated
WGV:0.64mm(.025") High Current, Tin-plated





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3086W*V-2x01SE	--	6.65
4	TY3086W*V-2x02SE	3.00	9.65
6	TY3086W*V-2x03SE	6.00	12.65
8	TY3086W*V-2x04SE	9.00	15.65
10	TY3086W*V-2x05SE	12.00	18.65
12	TY3086W*V-2x06SE	15.00	21.65
14	TY3086W*V-2x07SE	18.00	24.65
16	TY3086W*V-2x08SE	21.00	27.65
18	TY3086W*V-2x09SE	24.00	30.65
20	TY3086W*V-2x10SE	27.00	33.65
22	TY3086W*V-2x11SE	30.00	36.65
24	TY3086W*V-2x12SE	33.00	39.65

Wafer

Right Angle Dual Row SMT E Type

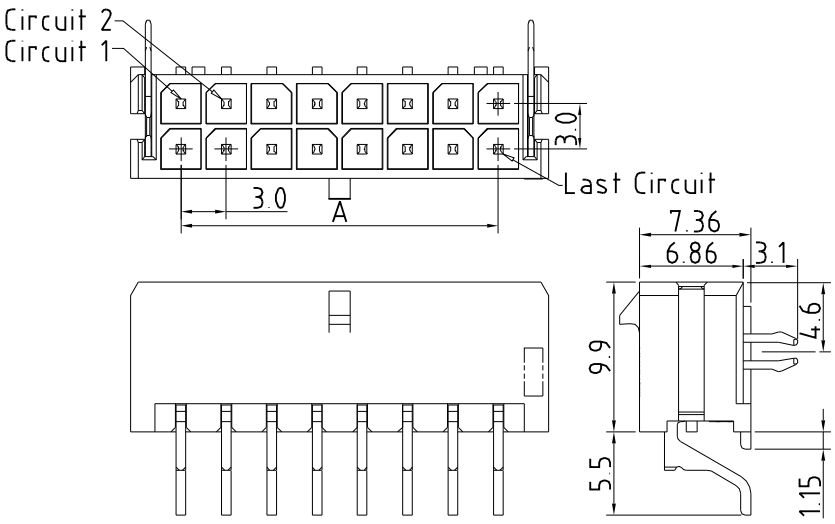
Features

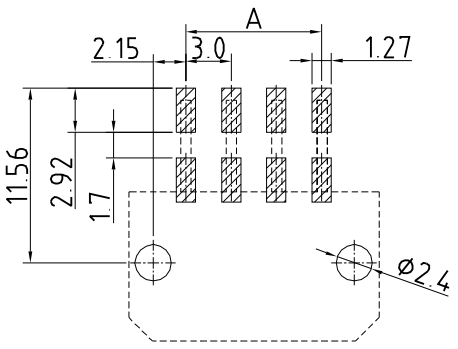
Available Number of Circuits: 2x01 - 2x12

Material: High Temperature Thermoplastic 94V-0

Mates with: TY3085 Series Dual Row Housing

Contact : WNR:0.64mm(.025") Copper Alloy,Tin-plated
WGR:0.64mm(.025") High Current,Tin-plated





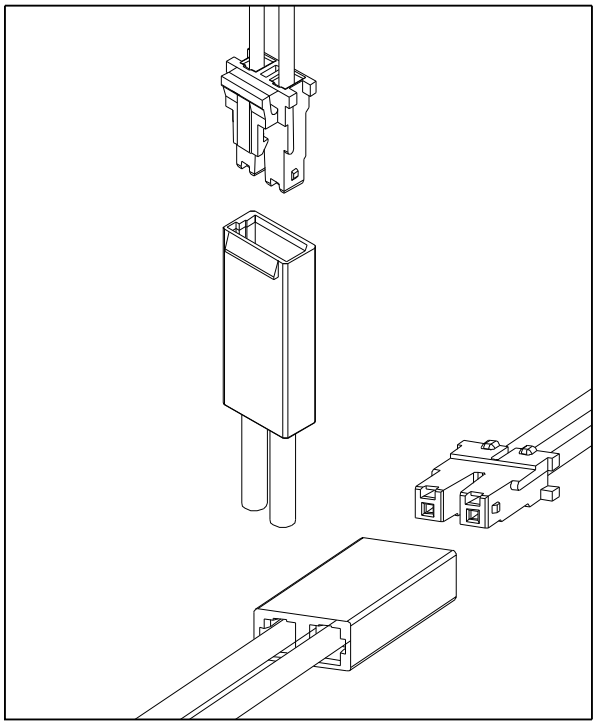
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY3086W*R-2x01SE	--	6.65
4	TY3086W*R-2x02SE	3.00	9.65
6	TY3086W*R-2x03SE	6.00	12.65
8	TY3086W*R-2x04SE	9.00	15.65
10	TY3086W*R-2x05SE	12.00	18.65
12	TY3086W*R-2x06SE	15.00	21.65
14	TY3086W*R-2x07SE	18.00	24.65
16	TY3086W*R-2x08SE	21.00	27.65
18	TY3086W*R-2x09SE	24.00	30.65
20	TY3086W*R-2x10SE	27.00	33.65
22	TY3086W*R-2x11SE	30.00	36.65
24	TY3086W*R-2x12SE	33.00	39.65

TY3501 SERIES

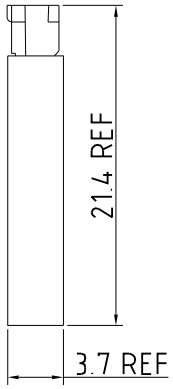
3.50mm Pitch Wire To Wire Connector



Specification

Circuits	02
Pitch	3.50mm
Current Rating	4.8A AC/DC (AWG#24) 3.6A AC/DC (AWG#26) 2.7A AC/DC (AWG#28)
Voltage Rating	1,400V AC/DC
Contact Resistance	10mΩ MAX.
Withstand Voltage	3,800V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #24 - #28

Assembly Layout



TY3501 * - NP *
① ② ③ ④

① Part No. TY3501	④ Mount Type K : K-Type Housing	
② Connection Type: HNO : Terminal Socket		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TY3501 SERIES

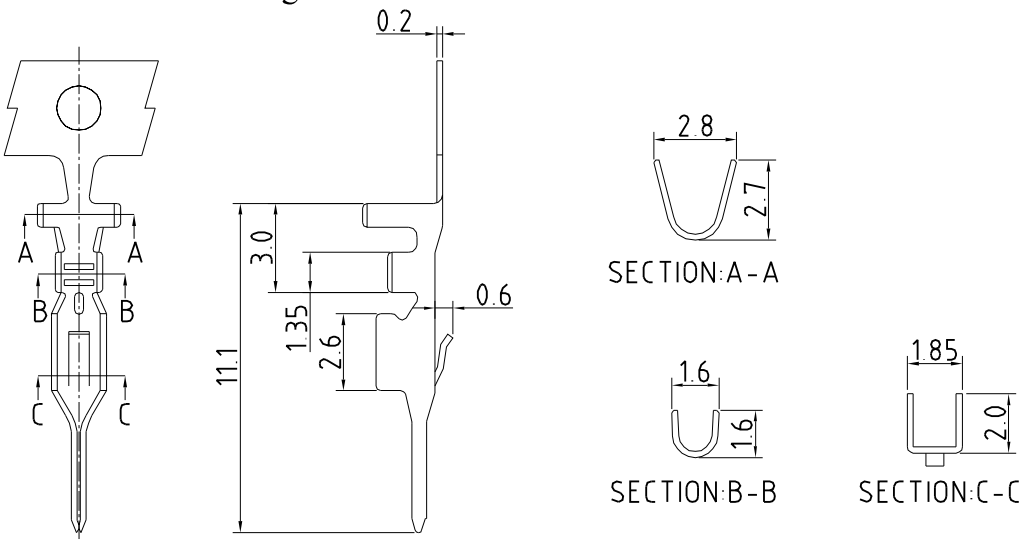
3.50mm Pitch Wire To Wire Connector

Unit : mm

Terminal

Features

Use with: TY3501 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TY3501TPO-*	AWG #24-#28	1.70mm(MAX.)	Phosphor bronze	See note	7,000 pcs

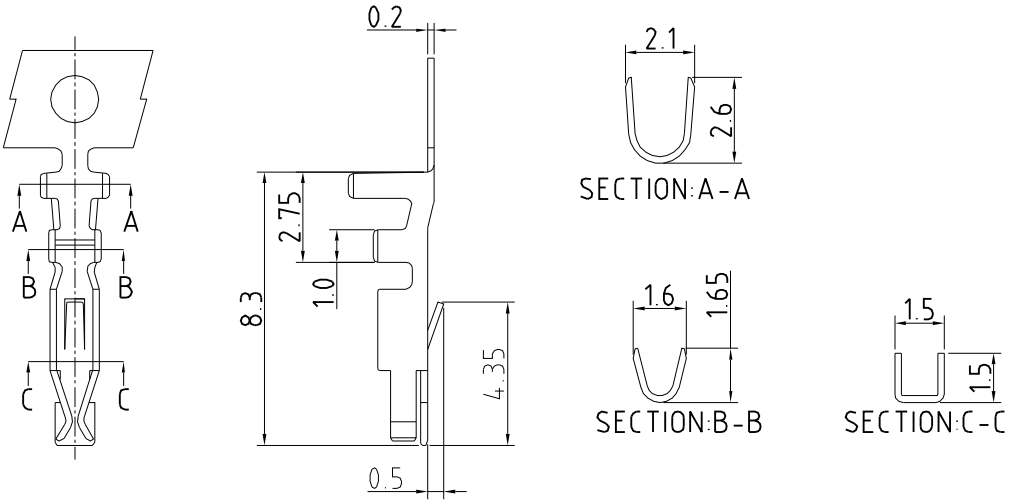
Note:

For this product in a different specification please contact TYU for more information

Terminal

Features

Use with: TU3501 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU3501TPO-*	AWG #24-#28	1.70mm(MAX.)	Phosphor bronze	See note	10,000 pcs

Note:

For this product in a different specification please contact TYU for more information

TY3501 SERIES

3.50mm Pitch Wire To Wire Connector

Unit : mm

Housing

Features

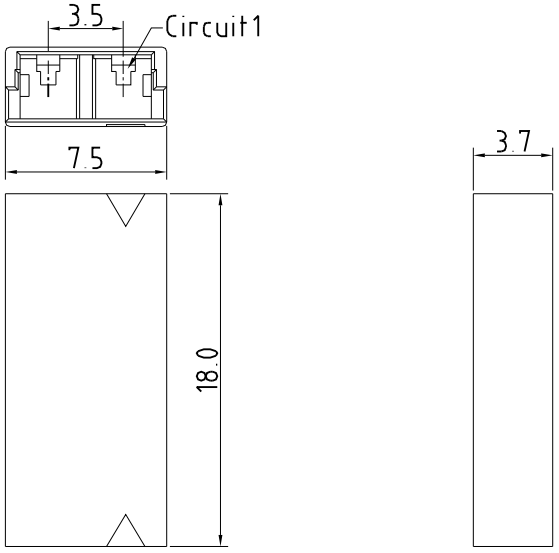
Available Number of Circuits : 02

Material : Regular Thermoplastic 94V-0

Use with : TY3501 Crimp Terminal

Mates with : TU3501HNO-02 Housing

Part No. TY3501HNO-02



Housing K-Type

Features

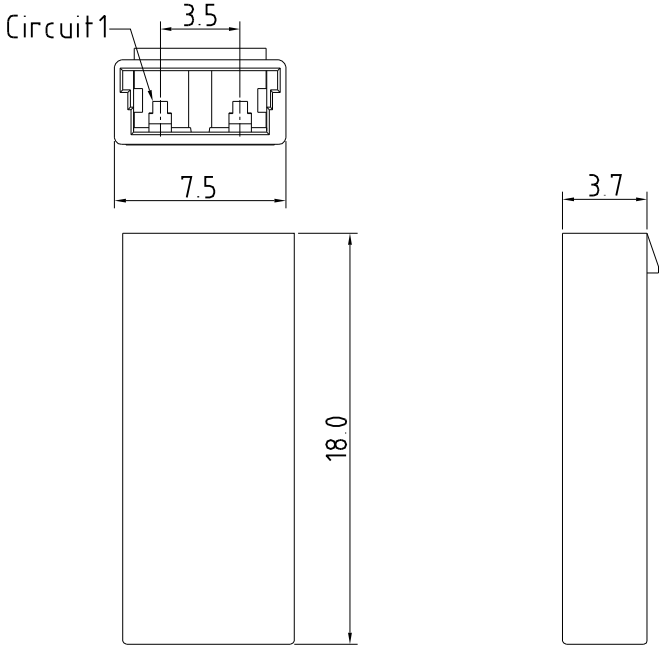
Available Number of Circuits: 02

Material: Regular Thermoplastic 94V-0

Use with: TY3501 Crimp Terminal

Mates with : TU3501HNO-02K Housing

Part No. : TY3501HNO-02K



TY3501 SERIES

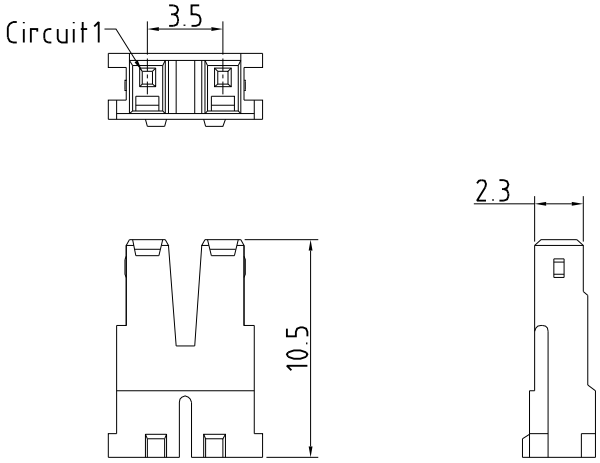
3.50mm Pitch Wire To Wire Connector

Unit : mm

Housing

Features

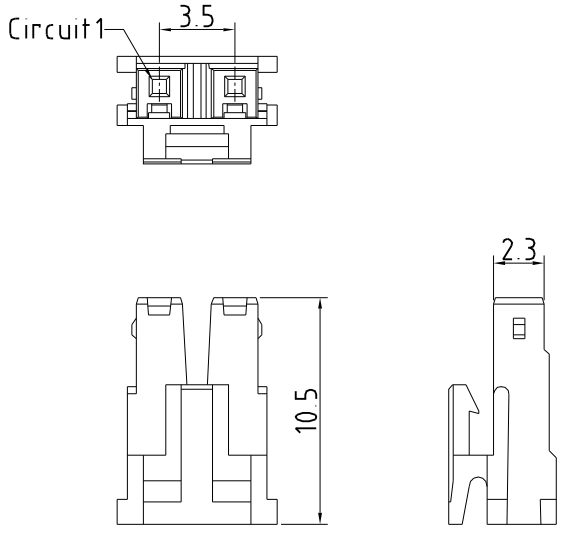
Available Number of Circuits : 02
Material : Regular Thermoplastic 94V-0
Use with : TU3501 Crimp Terminal
Mates with : TY3501HNO-02 Housing
Part No. TU3501HNO-02



Housing K-Type

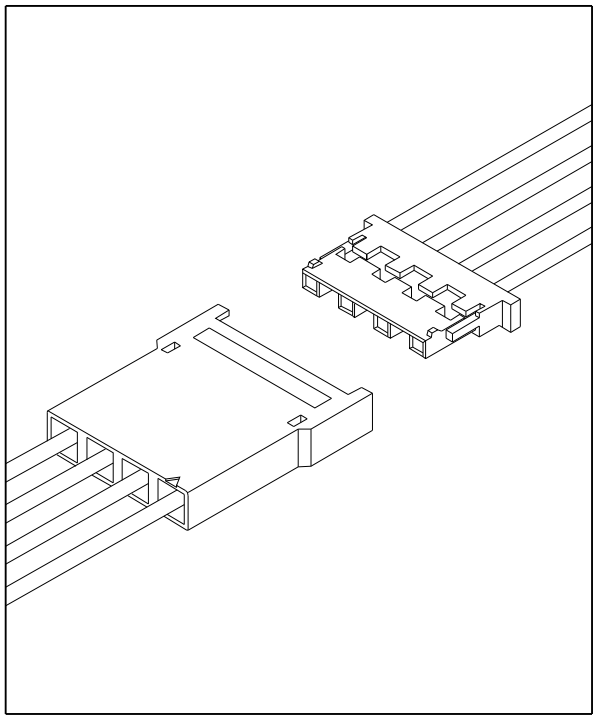
Features

Available Number of Circuits : 02
Material : Regular Thermoplastic 94V-0
Use with : TU3501 Crimp Terminal
Mates with : TY3501HNO-02K Housing
Part No. TU3501HNO-02K



TY4001 SERIES

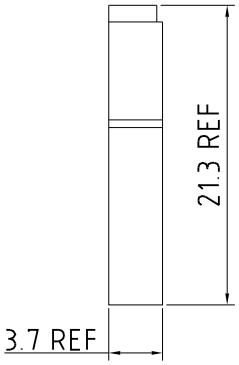
4.00mm Pitch Wire To Wire Connector



Specification

Circuits	02 - 04
Pitch	4.00mm
Current Rating	5.5A AC/DC (AWG#22) 4.8A AC/DC (AWG#24) 3.6A AC/DC (AWG#26) 2.7A AC/DC (AWG#28)
Voltage Rating	600V AC/DC
Contact Resistance	10mΩ MAX.
Withstand Voltage	1,800V AC/minute
Insulation Resistance	1000MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #22 - #28

Assembly Layout



TY4001 * - NP
① ② ③

① Part No. TY4001		
② Connection Type: HNO : Terminal Socket		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TY4001 SERIES

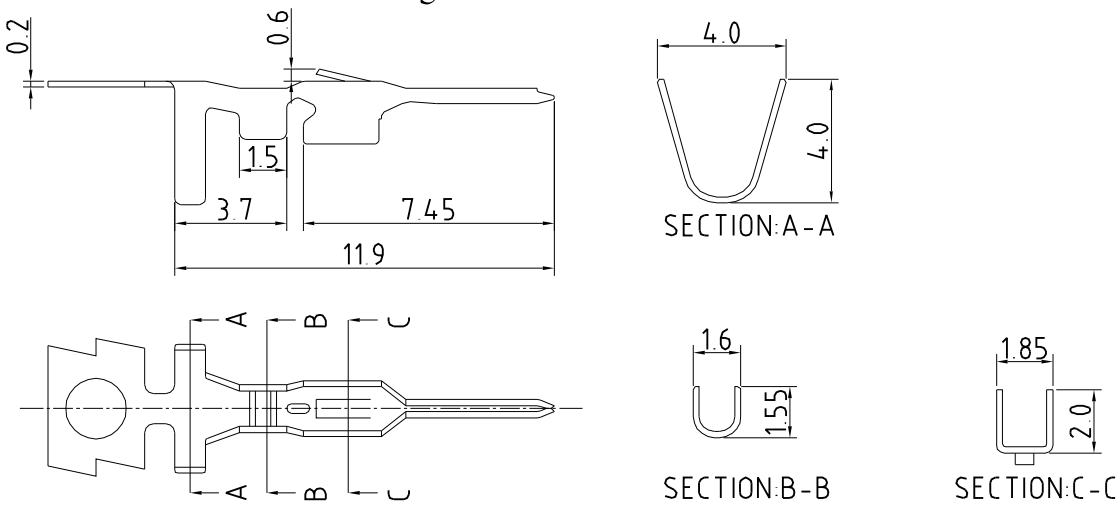
4.00mm Pitch Wire To Wire Connector

Unit : mm

Terminal

Features

Use with: TY4001 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TY4001TPO-*	AWG #22-#28	2.40mm(MAX.)	Phosphor bronze	See note	4,000 pcs

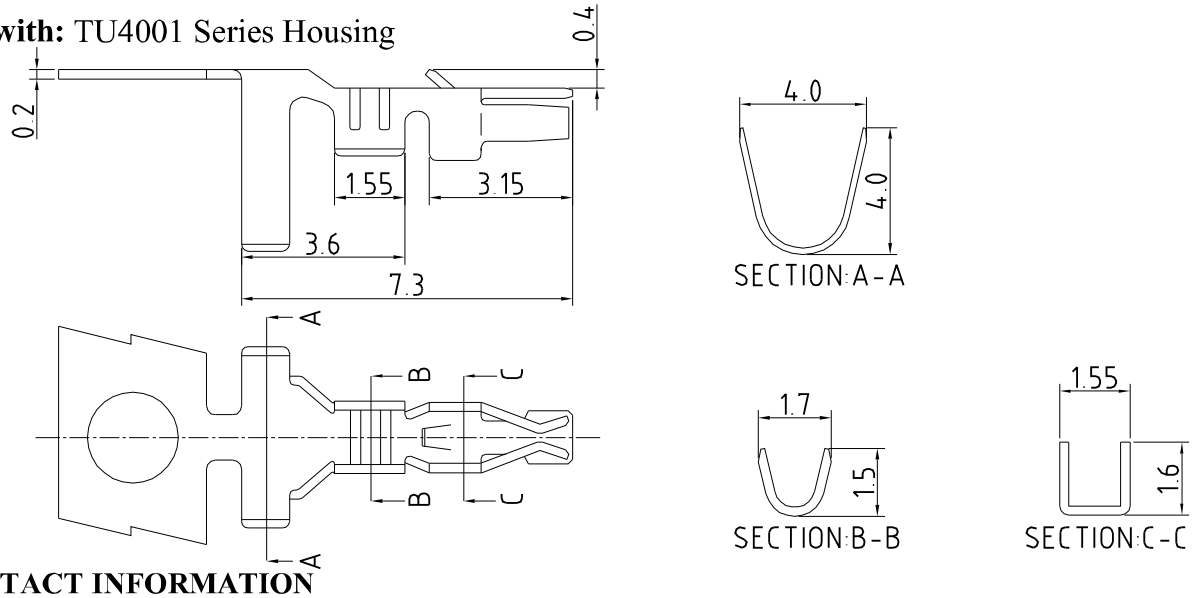
Note:

For this product in a different specification please contact TYU for more information

Terminal

Features

Use with: TU4001 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU4001TPO-*	AWG #22-#28	2.40mm(MAX.)	Phosphor bronze	See note	4,000 pcs

Note:

For this product in a different specification please contact TYU for more information

TY4001 SERIES

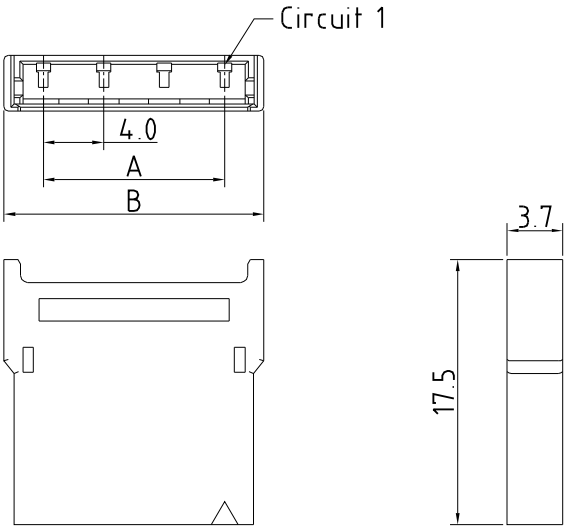
4.00mm Pitch Wire To Wire Connector

Unit : mm

Housing

Features

Available Number of Circuits: 02 - 05
Material: Regular Thermoplastic 94V-0
Use with: TY4001 Crimp Terminal
Mates with : TU4001 Series Housing



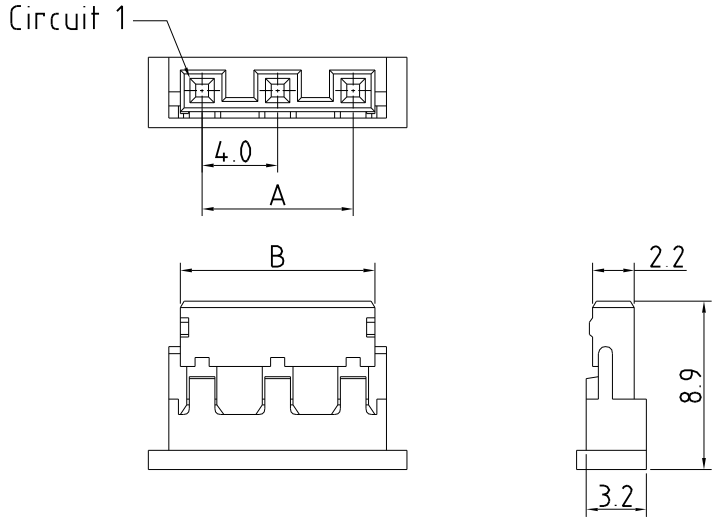
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY4001HNO-02	4.00	9.20
3	TY4001HNO-03	8.00	13.20
4	TY4001HNO-04	12.00	17.20
5	TY4001HNO-05	16.00	21.20

Housing

Features

Available Number of Circuits: 02 - 05
Material: Regular Thermoplastic 94V-0
Use with: TU4001/TU2005 Crimp Terminal
Mates with : TU4001 Series Wafer or TY4001 Housing

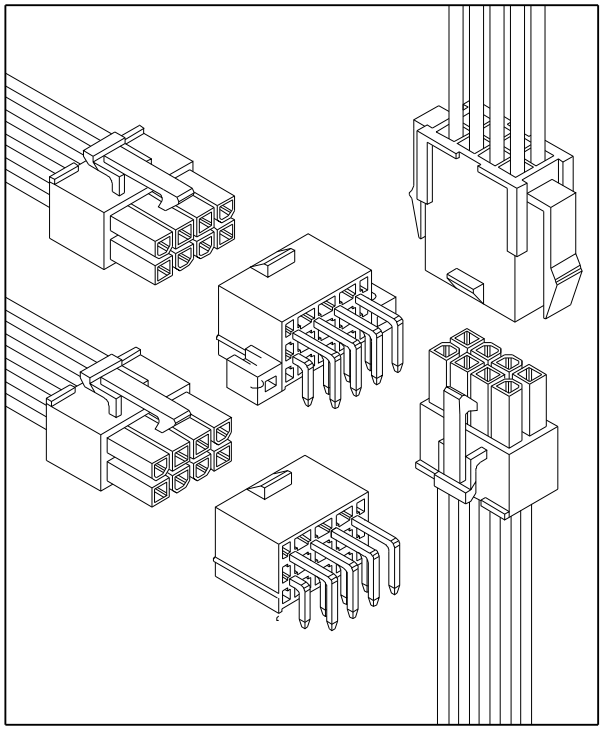


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU4001HNO-02	4.00	6.30
3	TU4001HNO-03	8.00	10.30
4	TU4001HNO-04	12.00	14.30
5	TU4001HNO-05	16.00	18.30

TY4281/2 SERIES

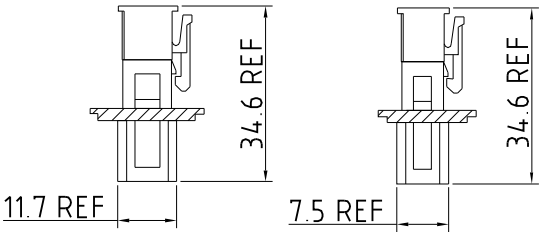
4.20mm Pitch Wire To Wire or Board Connector



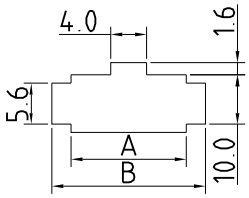
Specification

Circuits	1x02-1x06 , 2x01-2x12
Pitch	4.20mm
Current Rating	9A AC/DC
	12A AC/DC (High current)
Voltage Rating	600V AC/DC
Contact Resistance	10mΩ MAX.
Withstand Voltage	1,500V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #16 - #28
Applicable P.C.B Thickness	2.0mm (MAX.)
Applicable P.C.B Hole Dia.	Ø1.8mm ± 0.05

Assembly Layout



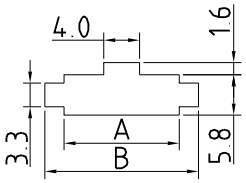
Panel Layout
Dual Row



Dimension and Order Information

Circuits	DIM.(mm)		Circuits	DIM.(mm)	
	A	B		A	B
2x01	5.08	10.80	2x07	31.00	36.00
2x02	10.00	15.00	2x08	35.20	40.20
2x03	14.20	19.20	2x09	39.40	44.40
2x04	18.40	23.40	2x10	43.60	48.60
2x05	22.60	27.60	2x11	47.80	52.80
2x06	26.80	31.80	2x12	52.00	57.00

Panel Layout
Single Row



Dimension and Order Information

Circuits	DIM.(mm)		Circuits	DIM.(mm)	
	A	B		A	B
1x02	5.08	15.00	1x05	22.60	27.60
1x03	14.20	19.20	1x06	26.80	31.80
1x04	18.40	23.40			

TY4281 * - * x NP * - * - *
① ② ③ ④ ⑤ ⑥

TY4282 * - * x NP * - * - * - *
① ② ③ ④ ⑤ ⑥ ⑦

① Part No. TY4281,2

② Connection Type:
HNO : Terminal Socket
WNV : Vertical Wafer
WGV : High Current Vertical Wafer
WNR : Right Angle Wafer
WGR : High Current Right Angle Wafer

③ Number of Contacts:
1xNP : Single row
2xNP : Dual row

④ Mount Type
F : With Post (Wafer)
GA : GA Type Housing
E : With Ear(Wafer)
W: With Flags
HA : HA Type Housing
HB : HB Type Housing

⑤ Other
SP : Square Pin

⑥ Contact Plating Code
Blank : As Specified
GO : Gold-flash over Nickel

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TY4281/2 SERIES

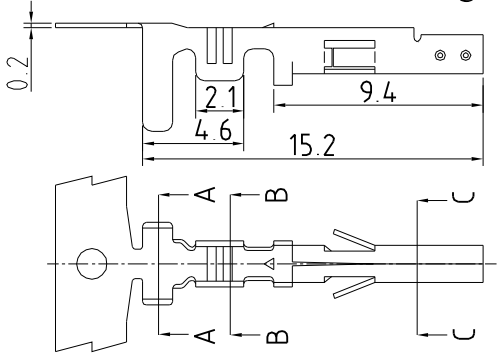
4.20mm Pitch Wire To Wire Connector

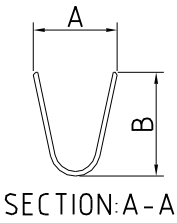
Unit : mm

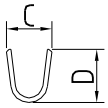
Terminal Female

Features

Use with: TY4281 Series Male Housing









CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TY4281TBL-*	AWG #24-#28	1.40mm(MAX.)	2.6	2.6	1.6	1.6	Brass	See note	4,000 pcs
TY4281TPL-*							Phosphor bronze		
TY4281TBH-*	AWG #18-#22	2.80mm(MAX.)	3.6	4.5	2.0	2.4	Brass		3,500 pcs
TY4281TPH-*							Phosphor bronze		
TY4281TGH-*	AWG #18-#20						High current		
TY4281TBH-*-DH	AWG #16-#18		3.6	4.5	2.6	2.9	Brass		
TY4281TPH-*-DH							Phosphor bronze		
TY4281TGH-*-DH							High current		

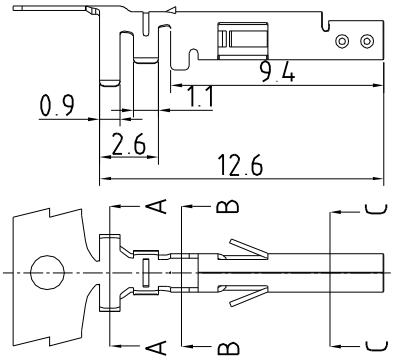
Note:

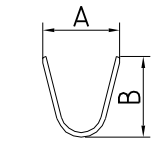
For this product in a different specification please contact TYU for more information

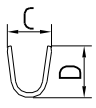
Terminal Female

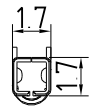
Features

Use with: TY4281 HA or HB Series Male Housing









CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TY4281TPH-4*	AWG #18-#22	2.10mm(MAX.)	3.4	3.5	1.9	2.3	Phosphor bronze	See note	3,500 pcs
TY4281TGH-4*			3.4	3.5	1.9	2.3	High current		
TY4281TPH-4*-DH	AWG #16-#18	2.80mm(MAX.)	3.6	4.5	2.6	2.9	Phosphor bronze		
TY4281TGH-4*-DH			3.6	4.5	2.6	2.9	High current		

Note:

For this product in a different specification please contact TYU for more information

TY4281/2 SERIES

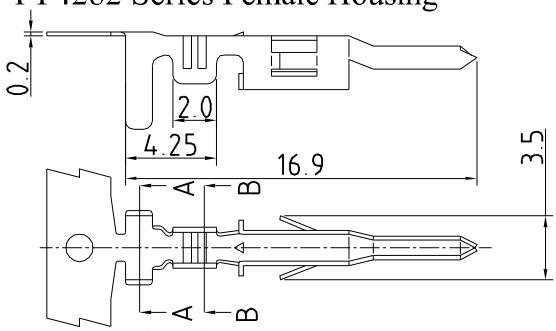
4.20mm Pitch Wire To Wire Connector

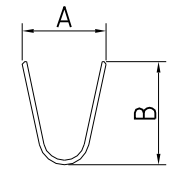
Unit : mm

Terminal Male

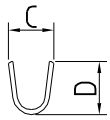
Features

Use with: TY4282 Series Female Housing





SECTION:A-A



SECTION:B-B

CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TY4282TBL-*	AWG #24-#28	1.40mm(MAX.)	2.6	2.6	1.6	1.6	Brass	See note	4,000 pcs
TY4282TPL-*							Phosphor bronze		
TY4282TBH-*	AWG #18-#22	2.80mm(MAX.)	3.6	4.5	2.0	2.4	Brass		3,500 pcs
TY4282TPH-*							Phosphor bronze		
TY4282TGH-*							High current		
TY4282TBH-*-DH	AWG #16-#18		3.6	4.5	2.6	2.9	Brass		
TY4282TPH-*-DH							Phosphor bronze		
TY4282TGH-*-DH							High current		

Note:
For this product in a different specification please contact TYU for more information

TY4281/2 SERIES

4.20mm Pitch Wire To Wire or Board Connector

Unit : mm

Housing Male Single Row

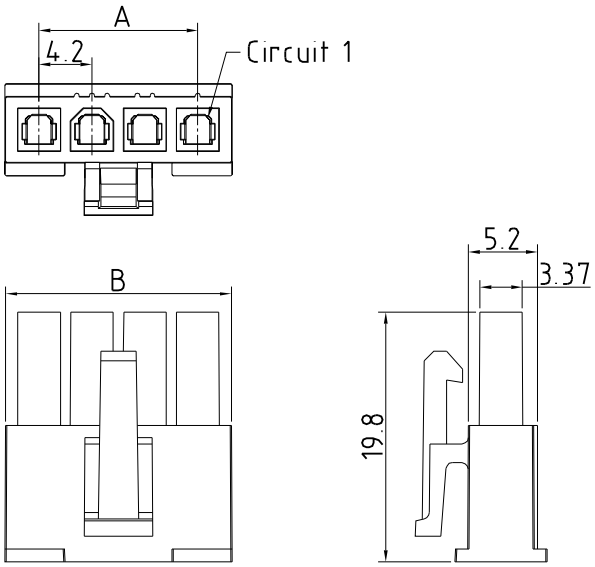
Features

Available Number of Circuits: 1x02 - 1x06

Material: Regular Thermoplastic 94V-2

Use with: TY4281 Crimp Terminal

Mates with : TY4282 Series Single Row Housing or Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY4281HNO-1x02	4.20	9.54
3	TY4281HNO-1x03	8.40	13.74
4	TY4281HNO-1x04	12.60	17.94
5	TY4281HNO-1x05	16.80	22.14
6	TY4281HNO-1x06	21.00	26.34

Housing Male Dual Row

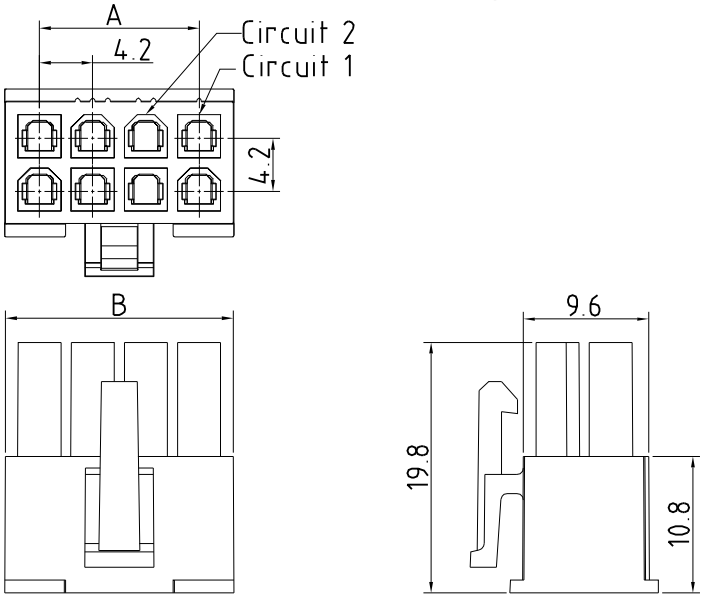
Features

Available Number of Circuits: 2x01 - 2x12

Material: Regular Thermoplastic 94V-2

Use with: TY4281 Crimp Terminal

Mates with : TY4282 Series Dual Row Housing or TY4282 Series Dual Row Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY4281HNO-2x01	--	5.70
4	TY4281HNO-2x02	4.20	9.90
6	TY4281HNO-2x03	8.40	14.10
8	TY4281HNO-2x04	12.60	18.30
10	TY4281HNO-2x05	16.80	22.50
12	TY4281HNO-2x06	21.00	26.70
14	TY4281HNO-2x07	25.20	30.90
16	TY4281HNO-2x08	29.40	35.10
18	TY4281HNO-2x09	33.60	39.30
20	TY4281HNO-2x10	37.80	43.50
22	TY4281HNO-2x11	42.00	47.70
24	TY4281HNO-2x12	46.20	51.90

TY4281/2 SERIES

4.20mm Pitch Wire To Wire or Board Connector

Unit : mm

Housing Male Dual Row With Cover

Features

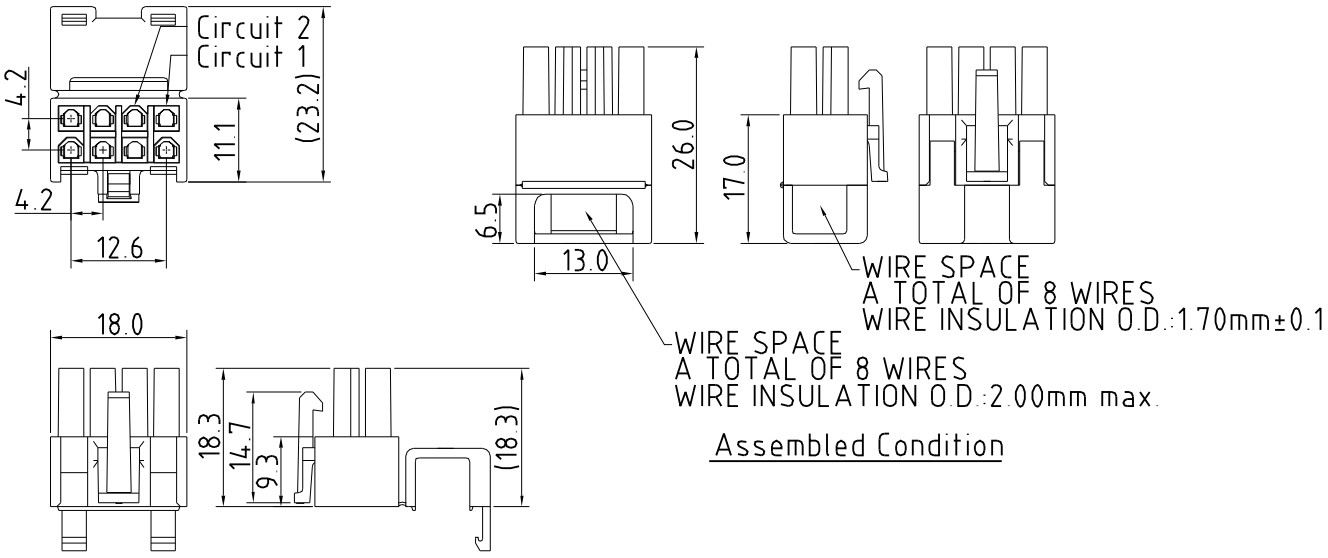
Available Number of Circuits: 2x04

Material: Regular Thermoplastic 94V-0

Use with: TY4281 Crimp Terminal

Mates with : TY4282 Series Dual Row Housing or TY4282 Series Dual Row Wafer

Part No: TY4281HNO-2x04GA



Housing Male Dual Row With Cover

Features

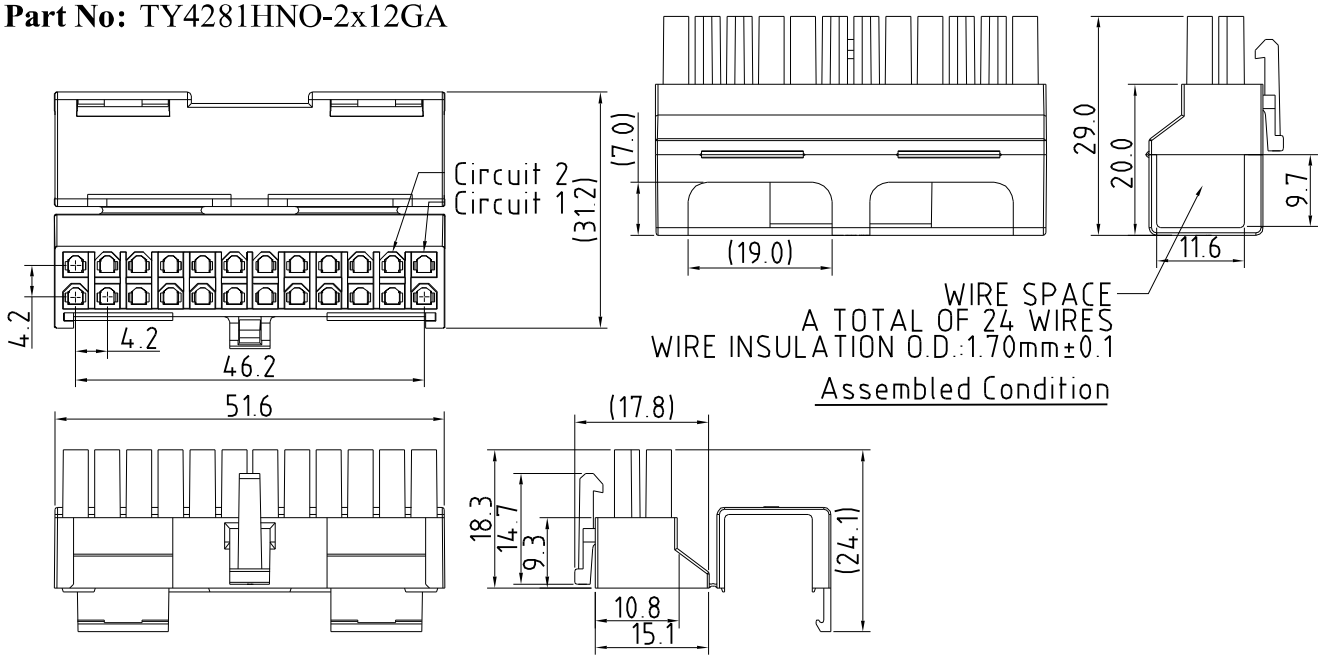
Available Number of Circuits: 2x01 - 2x12

Material: Regular Thermoplastic 94V-2

Use with: TY4281 Crimp Terminal

Mates with : TY4282 Series Dual Row Housing or TY4282 Series Dual Row Wafer

Part No: TY4281HNO-2x12GA



TY4281

TY4281/2 SERIES

4.20mm Pitch Wire To Wire or Board Connector

Unit : mm

Housing Male Dual Row With Cover HA Type

Features

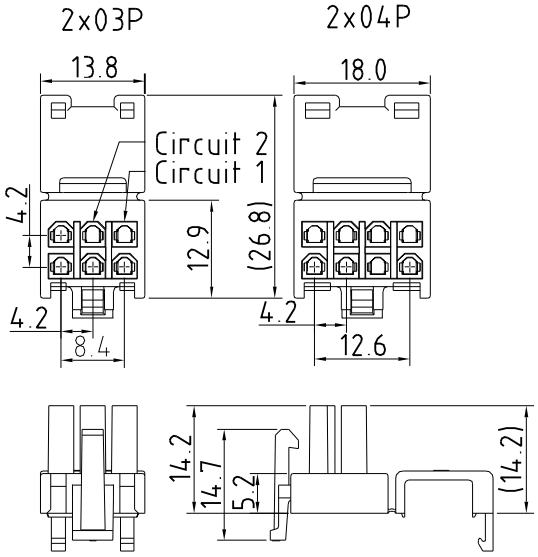
Available Number of Circuits: 2x03 - 2x04

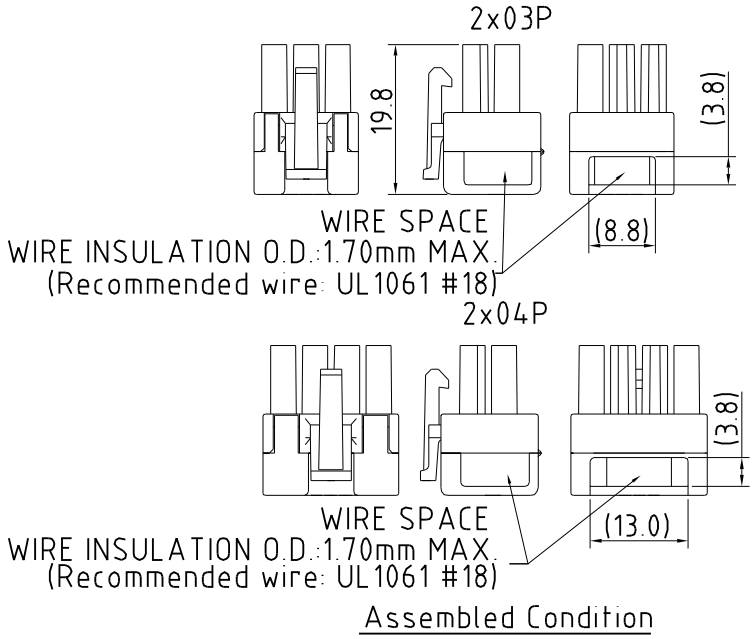
Material: Regular Thermoplastic 94V-0

Use with: TY4281TGH-4*-* Crimp Terminal

Mates with : TY4282 Series Dual Row Housing or TY4282 Series Dual Row Wafer

Part No: TY4281HNO-2xNPHA





Housing Male Dual Row With Cover HB Type

Features

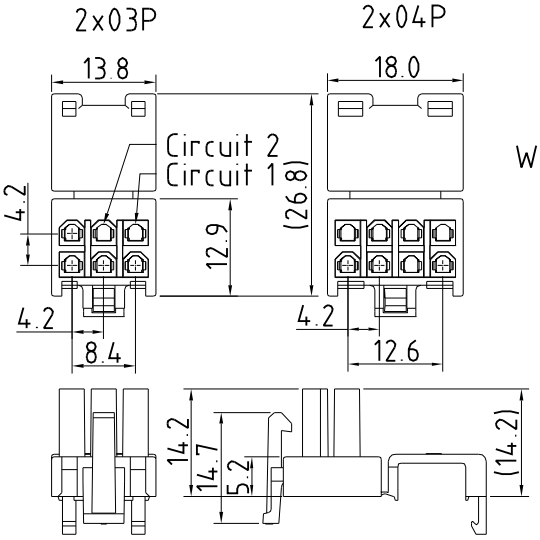
Available Number of Circuits: 2x03 - 2x04

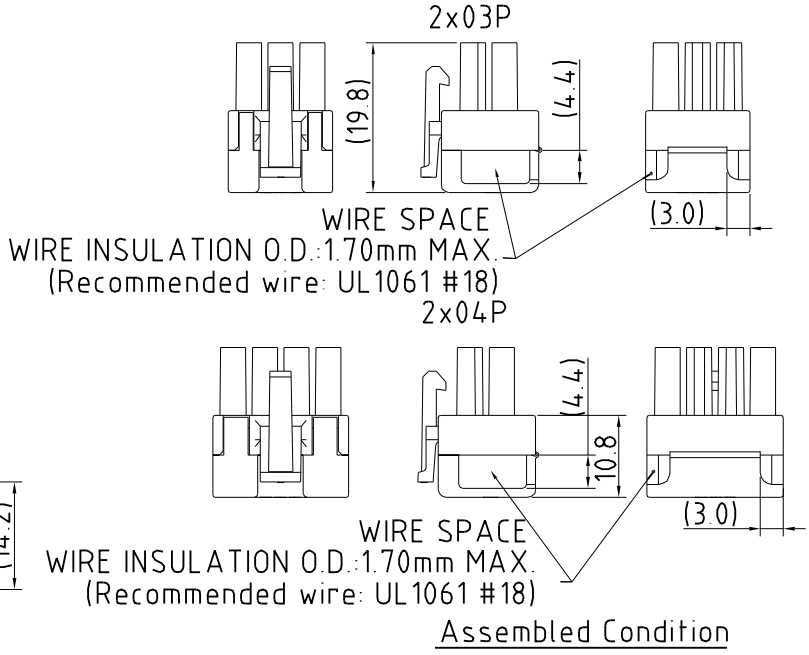
Material: Regular Thermoplastic 94V-2

Use with: TY4281TGH-4*-* Crimp Terminal

Mates with : TY4282 Series Dual Row Housing or TY4282 Series Dual Row Wafer

Part No: TY4281HNO-2xNPHB





TY4281/2 SERIES

4.20mm Pitch Wire To Wire or Board Connector

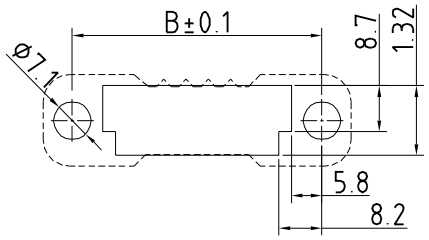
Unit : mm

Housing

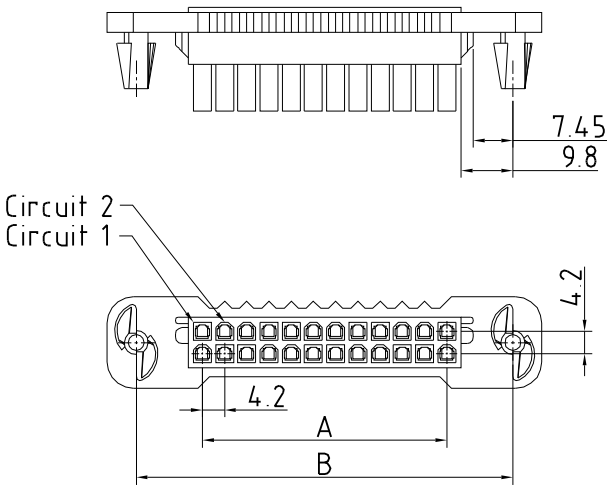
Male Dual Row

Features

Available Number of Circuits: 2x01 - 2x12
Material: Regular Thermoplastic 94V-2
Use with: TY4281 Crimp Terminal
Mates with : TY4282 Series Dual Row E TYPE Housing



P.C.B LAYOUT



Dimension and Order Information

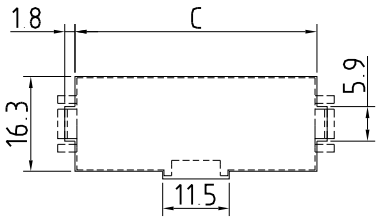
Circuits	Part No.	DIM.(mm)	
		A	B
2	TY4281HNO-2x01EF	--	25.00
4	TY4281HNO-2x02EF	4.20	29.20
6	TY4281HNO-2x03EF	8.40	33.40
8	TY4281HNO-2x04EF	12.60	37.60
10	TY4281HNO-2x05EF	16.80	41.80
12	TY4281HNO-2x06EF	21.00	46.00
14	TY4281HNO-2x07EF	25.20	50.20
16	TY4281HNO-2x08EF	29.40	54.40
18	TY4281HNO-2x09EF	33.60	58.60
20	TY4281HNO-2x10EF	37.80	62.80
22	TY4281HNO-2x11EF	42.00	67.00
24	TY4281HNO-2x12EF	46.20	71.20

Housing

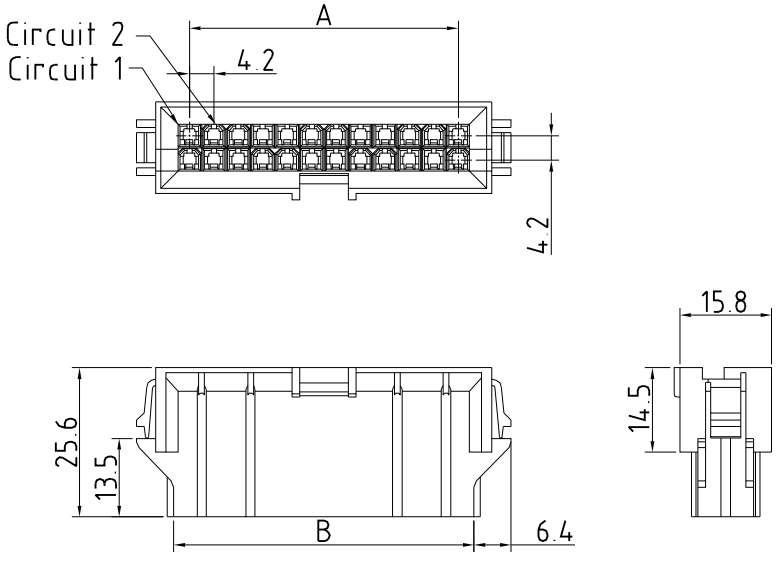
Female Dual Row

Features

Available Number of Circuits: 2x01 - 2x12
Material: Regular Thermoplastic 94V-2
Use with: TY4282 Crimp Terminal
Mates with : TY4281 Series Dual Row E TYPE Housing



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
2	TY4282HNO-2x01EW	--	11.60	15.60
4	TY4282HNO-2x02EW	4.20	15.80	19.80
6	TY4282HNO-2x03EW	8.40	20.00	24.00
8	TY4282HNO-2x04EW	12.60	24.20	28.20
10	TY4282HNO-2x05EW	16.80	28.40	32.40
12	TY4282HNO-2x06EW	21.00	32.60	36.60
14	TY4282HNO-2x07EW	25.20	36.80	40.80
16	TY4282HNO-2x08EW	29.40	41.00	45.00
18	TY4282HNO-2x09EW	33.60	45.20	49.20
20	TY4282HNO-2x10EW	37.80	49.40	53.40
22	TY4282HNO-2x11EW	42.00	53.60	57.60
24	TY4282HNO-2x12EW	46.20	57.80	61.80

TY4281/2 SERIES

4.20mm Pitch Wire To Wire or Board Connector

Unit : mm

Housing Female Single Row

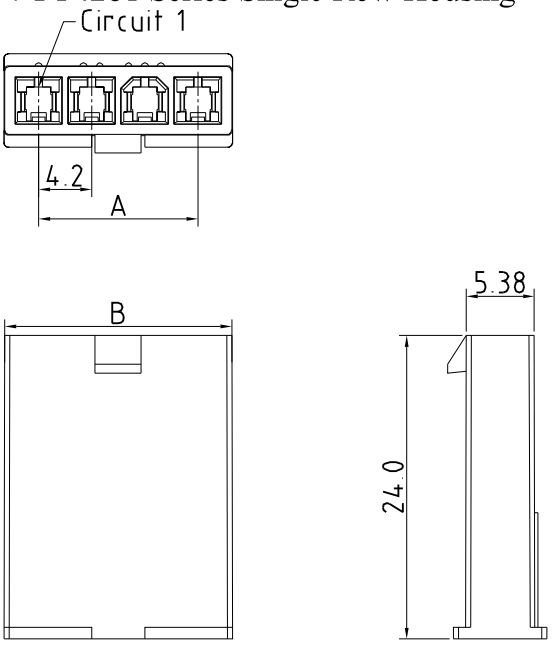
Features

Available Number of Circuits: 1x02 - 1x06

Material: Regular Thermoplastic 94V-2

Use with: TY4282 Crimp Terminal

Mates with : TY4281 Series Single Row Housing



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY4282HNO-1x02	4.20	9.54
3	TY4282HNO-1x03	8.40	13.74
4	TY4282HNO-1x04	12.60	17.94
5	TY4282HNO-1x05	16.80	22.14
6	TY4282HNO-1x06	21.00	26.34

Housing Female Dual Row

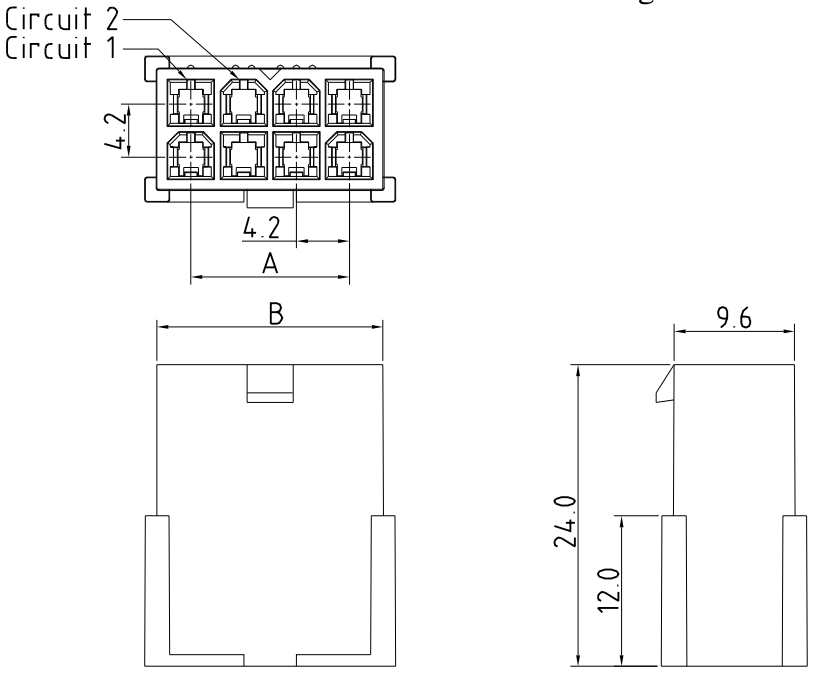
Features

Available Number of Circuits: 2x01 - 2x12

Material: Regular Thermoplastic 94V-2

Use with: TY4282 Crimp Terminal

Mates with : TY4281 Series Dual Row Housing



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY4282HNO-2x01	--	5.40
4	TY4282HNO-2x02	4.20	9.60
6	TY4282HNO-2x03	8.40	13.80
8	TY4282HNO-2x04	12.60	18.00
10	TY4282HNO-2x05	16.80	22.20
12	TY4282HNO-2x06	21.00	26.40
14	TY4282HNO-2x07	25.20	30.60
16	TY4282HNO-2x08	29.40	34.80
18	TY4282HNO-2x09	33.60	39.00
20	TY4282HNO-2x10	37.80	43.20
22	TY4282HNO-2x11	42.00	47.40
24	TY4282HNO-2x12	46.20	51.60

TY4281/2 SERIES

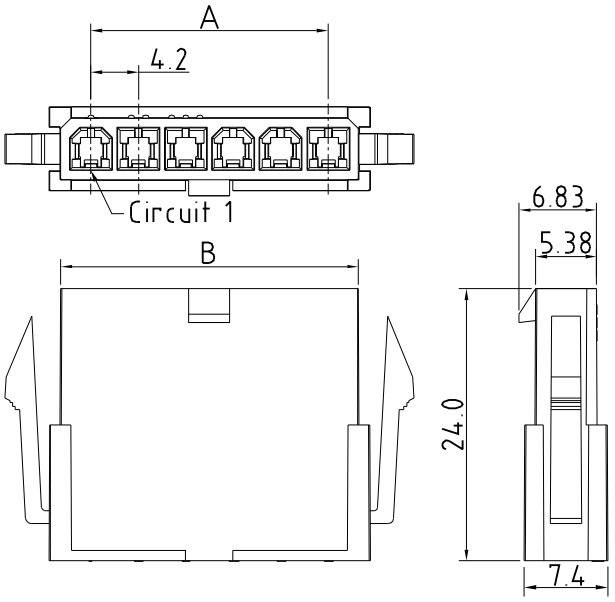
4.20mm Pitch Wire To Wire or Board Connector

Unit : mm

Housing Female Single Row

Features

Available Number of Circuits: 1x02 - 1x06
Material: Regular Thermoplastic 94V-2
Use with: TY4282 Crimp Terminal
Mates with : TY4281 Series Single Row Housing



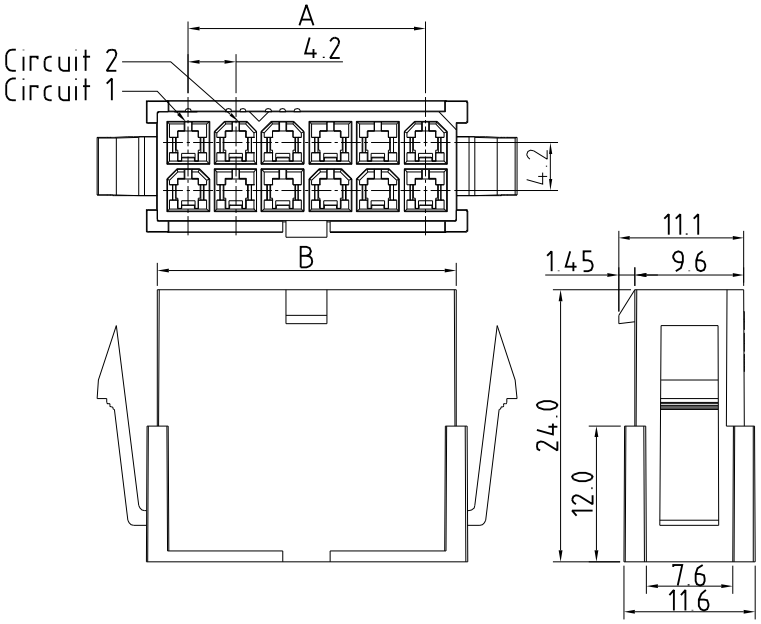
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY4282HNO-1x02W	4.20	9.54
3	TY4282HNO-1x03W	8.40	13.74
4	TY4282HNO-1x04W	12.60	17.94
5	TY4282HNO-1x05W	16.80	22.14
6	TY4282HNO-1x06W	21.00	26.34

Housing Female Dual Row

Features

Available Number of Circuits: 2x01 - 2x12
Material: Regular Thermoplastic 94V-2
Use with: TY4282 Crimp Terminal
Mates with : TY4281 Series Dual Row Housing



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY4282HNO-2x01W	--	5.40
4	TY4282HNO-2x02W	4.20	9.60
6	TY4282HNO-2x03W	8.40	13.80
8	TY4282HNO-2x04W	12.60	18.00
10	TY4282HNO-2x05W	16.80	22.20
12	TY4282HNO-2x06W	21.00	26.40
14	TY4282HNO-2x07W	25.20	30.60
16	TY4282HNO-2x08W	29.40	34.80
18	TY4282HNO-2x09W	33.60	39.00
20	TY4282HNO-2x10W	37.80	43.20
22	TY4282HNO-2x11W	42.00	47.40
24	TY4282HNO-2x12W	46.20	51.60

TY4281/2 SERIES

4.20mm Pitch Wire To Wire or Board Connector

Unit : mm

Wafer Right Angle Single Row F-Type

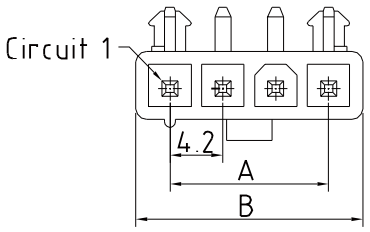
Features

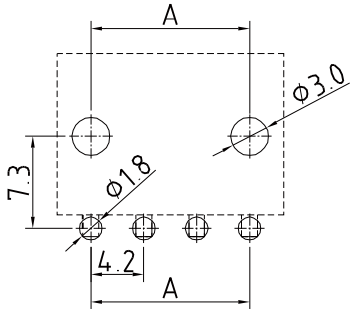
Available Number of Circuits : 1x02 - 1x06

Material : Regular Thermoplastic 94V-2

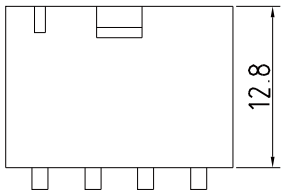
Contact : 1.14mm(.045") Copper Alloy, Tin-plated

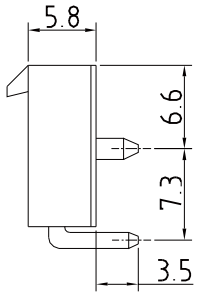
Mates with : TY4281 Series Single Row Male Housing





P.C.B LAYOUT





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY4282WNR-1x02F-*-*	4.20	9.60
3	TY4282WNR-1x03F-*-*	8.40	13.80
4	TY4282WNR-1x04F-*-*	12.60	18.00
5	TY4282WNR-1x05F-*-*	16.80	22.20
6	TY4282WNR-1x06F-*-*	21.00	26.40

Wafer Vertical Single Row

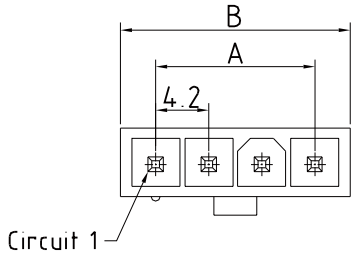
Features

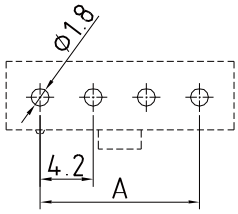
Available Number of Circuits : 1x02 - 1x06

Material : Regular Thermoplastic 94V-2

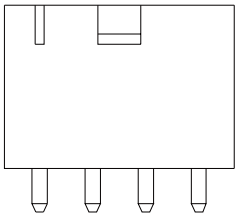
Mates with : TY4281 Series Single Row Housing

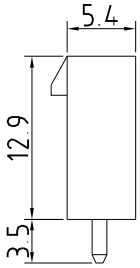
Contact : 1.14mm(.045") Copper Alloy,Tin-plated





P.C.B LAYOUT





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY4282WNV-1x02-SP-*-*	4.20	9.60
3	TY4282WNV-1x03-SP-*-*	8.40	13.80
4	TY4282WNV-1x04-SP-*-*	12.60	18.00
5	TY4282WNV-1x05-SP-*-*	16.80	22.20
6	TY4282WNV-1x06-SP-*-*	21.00	26.40

TY4281/2 SERIES

4.20mm Pitch Wire To Board Connector

Unit : mm

Wafer — Right Angle Single Row E-TYPE

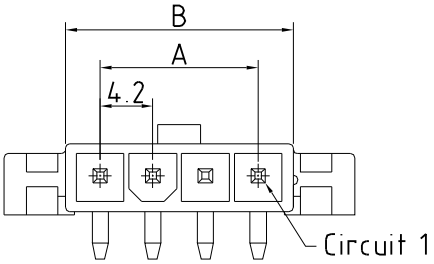
Features

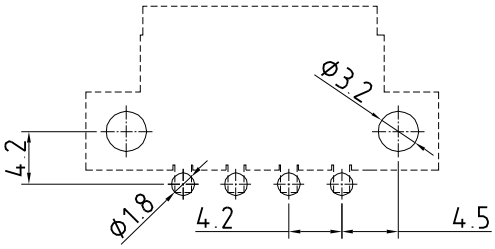
Available Number of Circuits : 1x02 - 1x06

Material : Regular Thermoplastic 94V-2

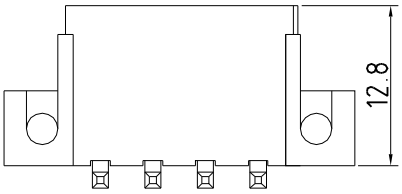
Mates with : TY4281 Series Single Row Housing

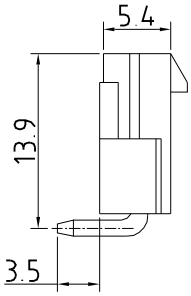
Contact : 1.14mm(.045") Copper Alloy, Tin-plated





P.C.B LAYOUT





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY4282WNR-1x02E-*-*	4.20	9.60
3	TY4282WNR-1x03E-*-*	8.40	13.80
4	TY4282WNR-1x04E-*-*	12.60	18.00
5	TY4282WNR-1x05E-*-*	16.80	22.20
6	TY4282WNR-1x06E-*-*	21.00	26.40

Wafer — Vertical Single Row F-TYPE

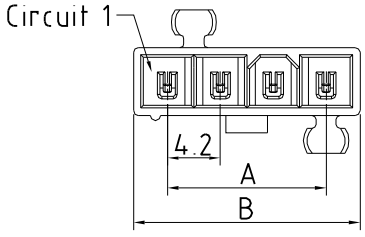
Features

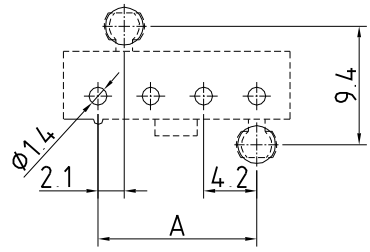
Available Number of Circuits : 1x02 - 1x06

Material : Regular Thermoplastic 94V-2

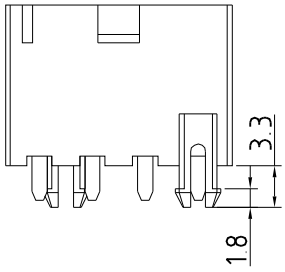
Mates with : TY4281 Series Single Row Housing

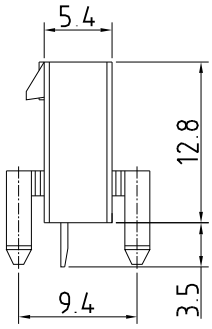
Contact : 0.25mm(.0098") Copper Alloy, Tin-plated





P.C.B LAYOUT





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY4282WNV-1x02F-*-*	4.20	9.60
3	TY4282WNV-1x03F-*-*	8.40	13.80
4	TY4282WNV-1x04F-*-*	12.60	18.00
5	TY4282WNV-1x05F-*-*	16.80	22.20
6	TY4282WNV-1x06F-*-*	21.00	26.40

TY4281/2 SERIES

4.20mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical Single Row

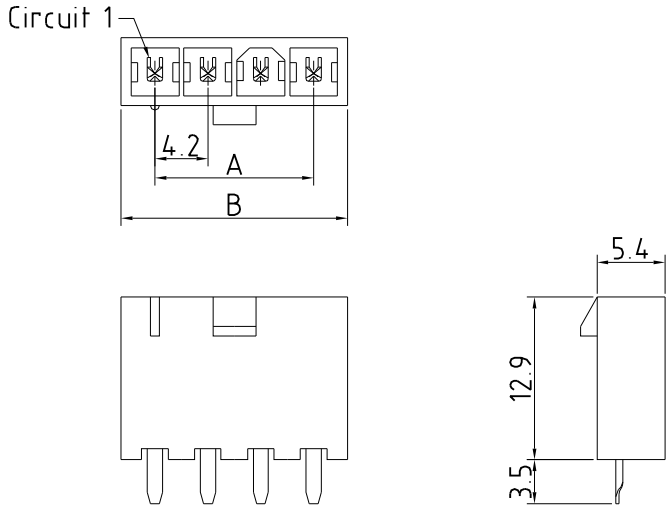
Features

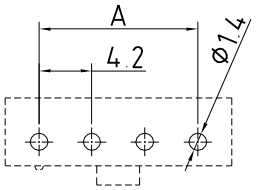
Available Number of Circuits : 1x02 - 1x06

Material : Regular Thermoplastic 94V-2

Mates with : TY4281 Series Single Row Housing

Contact : 0.25mm(.0098") Copper Alloy,Tin-plated





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY4282WNV-1x02-*-*	4.20	9.60
3	TY4282WNV-1x03-*-*	8.40	13.80
4	TY4282WNV-1x04-*-*	12.60	18.00
5	TY4282WNV-1x05-*-*	16.80	22.20
6	TY4282WNV-1x06-*-*	21.00	26.40

Wafer Right Angle Dual Row E-Type

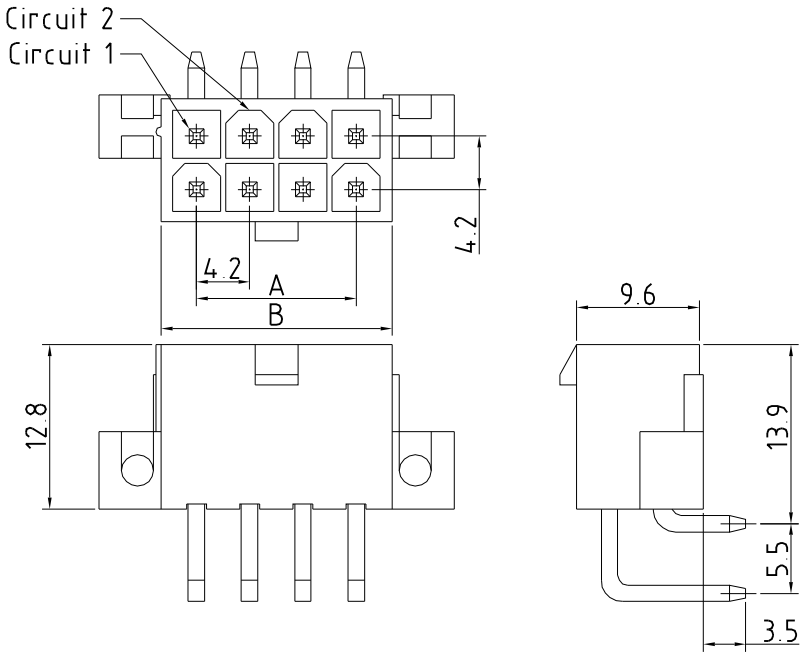
Features

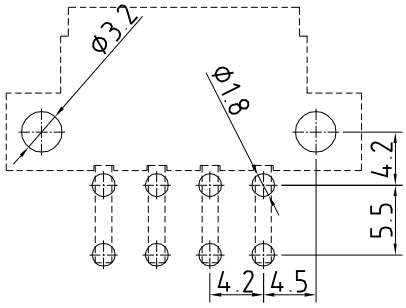
Available Number of Circuits : 2x01 - 2x12

Material : High Temperature Thermoplastic 94V-0 or Regular Thermoplastic 94V-2

Contact: 1.14mm(.045") Copper Alloy, Tin-plated

Mates with : TY4281 Series Dual Row Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY4282WNR-2x01E-*-*	--	5.40
4	TY4282WNR-2x02E-*-*	4.20	9.60
6	TY4282WNR-2x03E-*-*	8.40	13.80
8	TY4282WNR-2x04E-*-*	12.60	18.00
10	TY4282WNR-2x05E-*-*	16.80	22.20
12	TY4282WNR-2x06E-*-*	21.00	26.40
14	TY4282WNR-2x07E-*-*	25.20	30.60
16	TY4282WNR-2x08E-*-*	29.40	34.80
18	TY4282WNR-2x09E-*-*	33.60	39.00
20	TY4282WNR-2x10E-*-*	37.80	43.20
22	TY4282WNR-2x11E-*-*	42.00	47.40
24	TY4282WNR-2x12E-*-*	46.20	51.60

TY4281/2 SERIES

4.20mm Pitch Wire To Board Connector

Unit : mm

Wafer

Vertical Dual Row

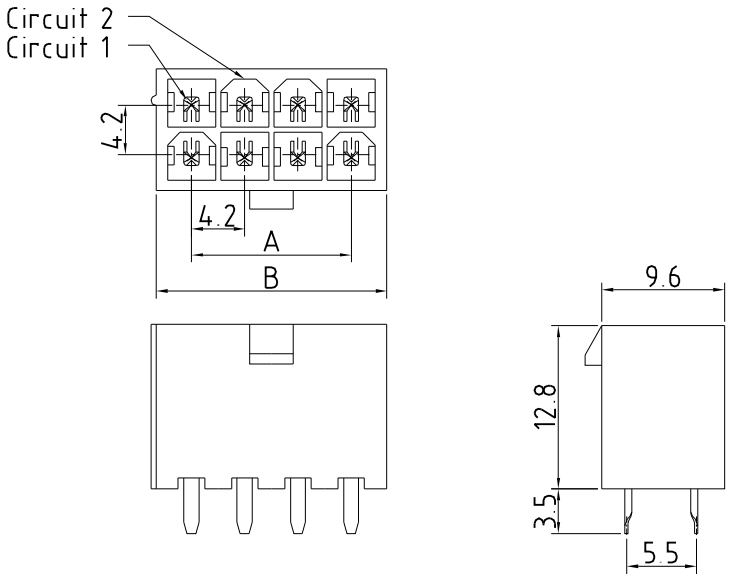
Features

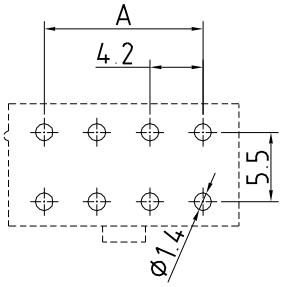
Available Number of Circuits : 2x01 - 2x12

Material : High Temperature Thermoplastic 94V-0 or Regular Thermoplastic 94V-2

Contact: 0.3mm(0.12") Copper Alloy,Tin-plated

Mates with : TY4281 Series Dual Row Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY4282WNV-2x01-*-*	--	5.40
4	TY4282WNV-2x02-*-*	4.20	9.60
6	TY4282WNV-2x03-*-*	8.40	13.80
8	TY4282WNV-2x04-*-*	12.60	18.00
10	TY4282WNV-2x05-*-*	16.80	22.20
12	TY4282WNV-2x06-*-*	21.00	26.40
14	TY4282WNV-2x07-*-*	25.20	30.60
16	TY4282WNV-2x08-*-*	29.40	34.80
18	TY4282WNV-2x09-*-*	33.60	39.00
20	TY4282WNV-2x10-*-*	37.80	43.20
22	TY4282WNV-2x11-*-*	42.00	47.40
24	TY4282WNV-2x12-*-*	46.20	51.60

Wafer

Vertical Dual Row

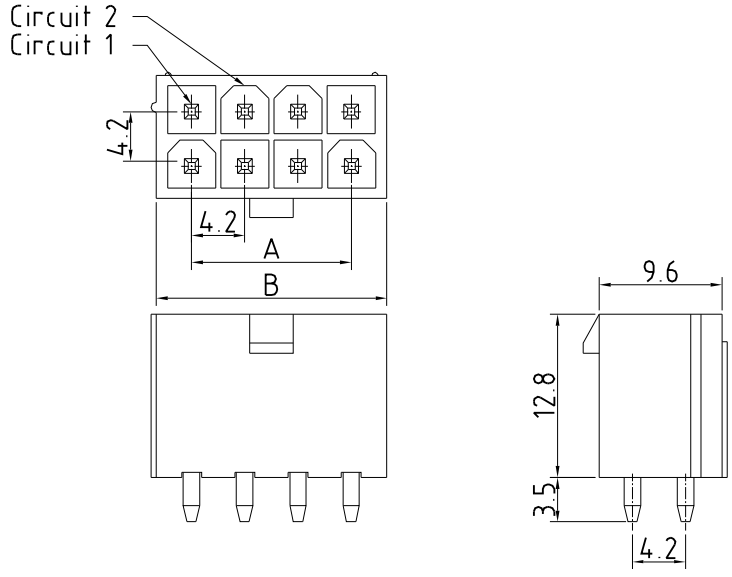
Features

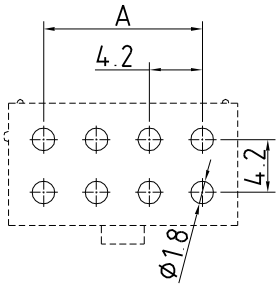
Available Number of Circuits : 2x01 - 2x12

Material : High Temperature Thermoplastic 94V-0 or Regular Thermoplastic 94V-2

Contact: WNV:1.14mm(.045") Copper Alloy, Tin-plated
WGV:1.14mm(.045") High Current, Tin-plated

Mates with : TY4281 Series Dual Row Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY4282W*V-2x01-SP-*-*	--	5.40
4	TY4282W*V-2x02-SP-*-*	4.20	9.60
6	TY4282W*V-2x03-SP-*-*	8.40	13.80
8	TY4282W*V-2x04-SP-*-*	12.60	18.00
10	TY4282W*V-2x05-SP-*-*	16.80	22.20
12	TY4282W*V-2x06-SP-*-*	21.00	26.40
14	TY4282W*V-2x07-SP-*-*	25.20	30.60
16	TY4282W*V-2x08-SP-*-*	29.40	34.80
18	TY4282W*V-2x09-SP-*-*	33.60	39.00
20	TY4282W*V-2x10-SP-*-*	37.80	43.20
22	TY4282W*V-2x11-SP-*-*	42.00	47.40
24	TY4282W*V-2x12-SP-*-*	46.20	51.60

TY4281/2 SERIES

4.20mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical Dual Row F-Type

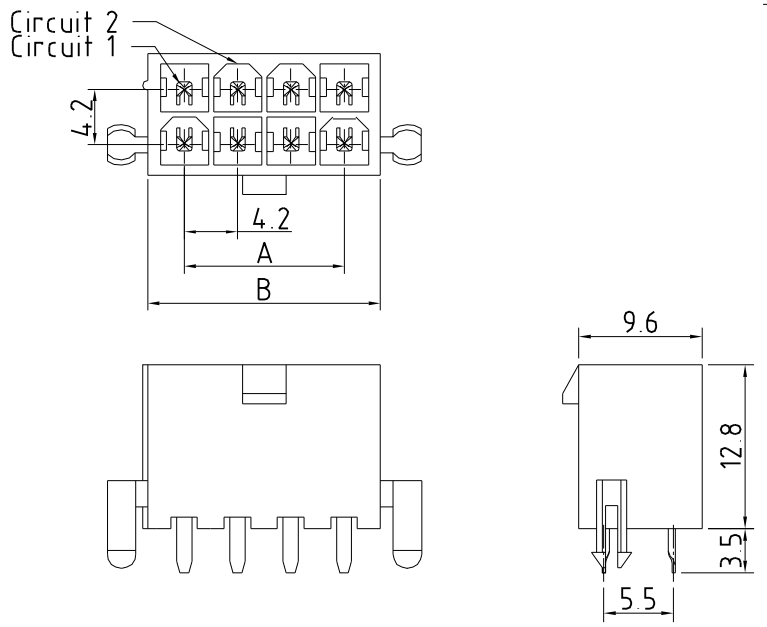
Features

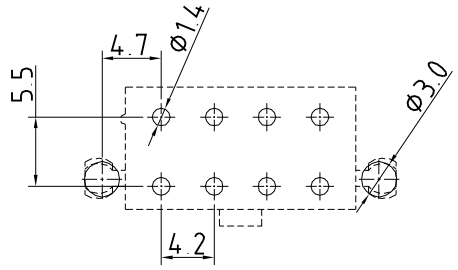
Available Number of Circuits : 2x01 - 2x12

Material : Regular Thermoplastic 94V-2

Contact: 0.3mm(0.12") Copper Alloy, Tin-plated

Mates with : TY4281 Series Dual Row Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY4282WNV-2x01F-*-*	--	5.40
4	TY4282WNV-2x02F-*-*	4.20	9.60
6	TY4282WNV-2x03F-*-*	8.40	13.80
8	TY4282WNV-2x04F-*-*	12.60	18.00
10	TY4282WNV-2x05F-*-*	16.80	22.20
12	TY4282WNV-2x06F-*-*	21.00	26.40
14	TY4282WNV-2x07F-*-*	25.20	30.60
16	TY4282WNV-2x08F-*-*	29.40	34.80
18	TY4282WNV-2x09F-*-*	33.60	39.00
20	TY4282WNV-2x10F-*-*	37.80	43.20
22	TY4282WNV-2x11F-*-*	42.00	47.40
24	TY4282WNV-2x12F-*-*	46.20	51.60

Wafer Right Angle Dual Row

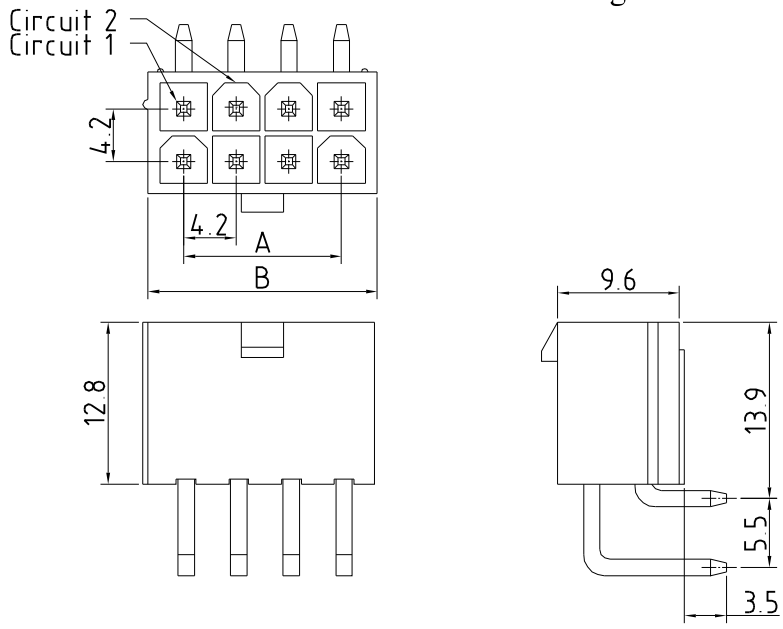
Features

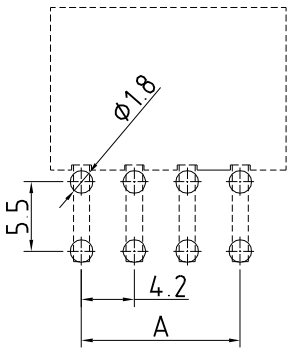
Available Number of Circuits : 2x01 - 2x12

Material : High Temperature Thermoplastic 94V-0 or Regular Thermoplastic 94V-2

Contact: 1.14mm(.045") Copper Alloy, Tin-plated

Mates with : TY4281 Series Dual Row Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY4282WNR-2x01-*-*	--	5.40
4	TY4282WNR-2x02-*-*	4.20	9.60
6	TY4282WNR-2x03-*-*	8.40	13.80
8	TY4282WNR-2x04-*-*	12.60	18.00
10	TY4282WNR-2x05-*-*	16.80	22.20
12	TY4282WNR-2x06-*-*	21.00	26.40
14	TY4282WNR-2x07-*-*	25.20	30.60
16	TY4282WNR-2x08-*-*	29.40	34.80
18	TY4282WNR-2x09-*-*	33.60	39.00
20	TY4282WNR-2x10-*-*	37.80	43.20
22	TY4282WNR-2x11-*-*	42.00	47.40
24	TY4282WNR-2x12-*-*	46.20	51.60

TY4281,2 SERIES

4.20mm Pitch Wire To Board Connector

Unit : mm

Wafer

Right Angle Dual Row F-TYPE

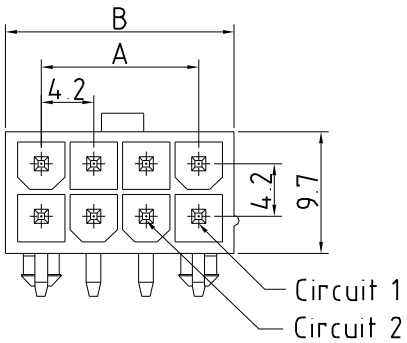
Features

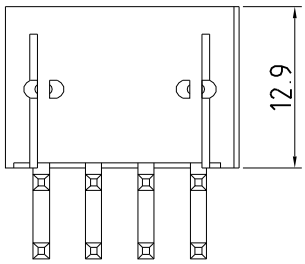
Available Number of Circuits : 2x01 - 2x12

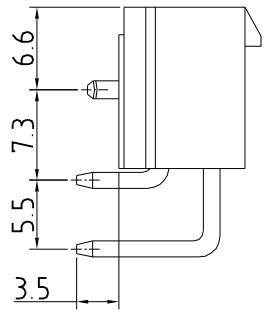
Material : High Temperature Thermoplastic 94V-0 or
Regular Thermoplastic 94V-2

Contact: 1.14mm(.045") Copper Alloy, Tin-plated

Mates with : TY4281 Series Dual Row Housing

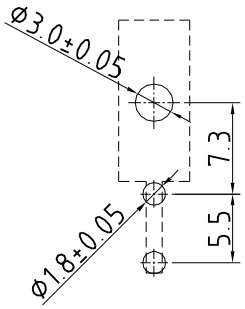




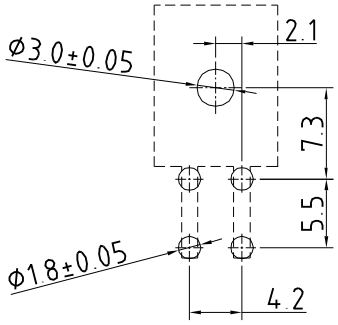


Dimension and Order Information

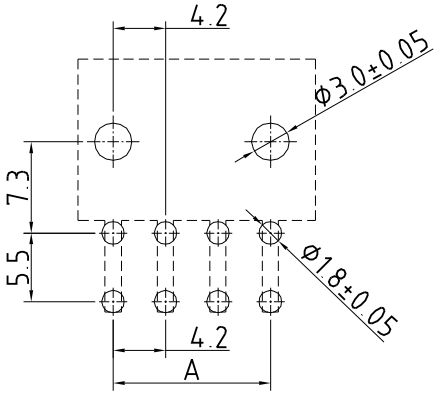
Circuits	Part No.	DIM.(mm)	
		A	B
2	TY4282WNR-2x01F	--	5.70
4	TY4282WNR-2x02F	4.20	9.90
6	TY4282WNR-2x03F	8.40	14.10
8	TY4282WNR-2x04F	12.60	18.30
10	TY4282WNR-2x05F	16.80	22.50
12	TY4282WNR-2x06F	21.00	26.70
14	TY4282WNR-2x07F	25.20	30.90
16	TY4282WNR-2x08F	29.40	35.10
18	TY4282WNR-2x09F	33.60	39.30
20	TY4282WNR-2x10F	37.80	43.50
22	TY4282WNR-2x11F	42.00	47.70
24	TY4282WNR-2x12F	46.20	51.90



2x01



2x02



2x03-2x12

P.C.B LAYOUT

TY4281

TY4281/2 SERIES

4.20mm Pitch Wire To Board Connector

Unit : mm

Wafer

Right Angle Dual Row E-Type

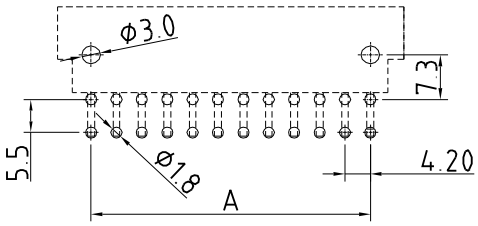
Features

Available Number of Circuits : 2x01 - 2x12

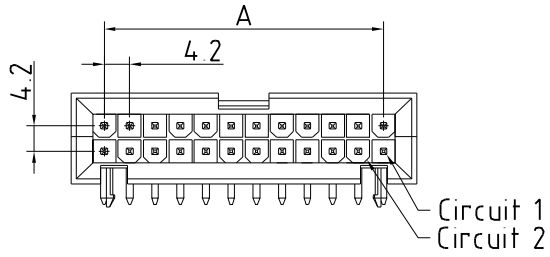
Material : Regular Thermoplastic 94V-0

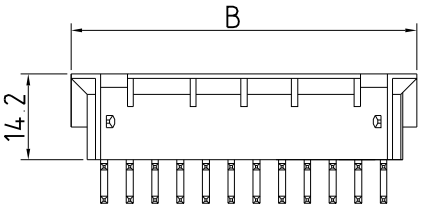
Contact : 1.14mm(.045") Copper Alloy, Tin-plated

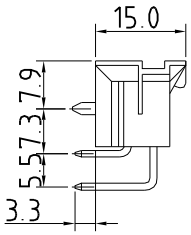
Mates with : TY4281 Series Dual Row Housing



P.C.B LAYOUT







Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY4282WNR-2x01EF	--	15.50
4	TY4282WNR-2x02EF	4.20	19.70
6	TY4282WNR-2x03EF	8.40	23.90
8	TY4282WNR-2x04EF	12.60	28.10
10	TY4282WNR-2x05EF	16.80	32.30
12	TY4282WNR-2x06EF	21.00	36.50
14	TY4282WNR-2x07EF	25.20	36.20
16	TY4282WNR-2x08EF	29.40	40.70
18	TY4282WNR-2x09EF	33.60	44.90
20	TY4282WNR-2x10EF	37.80	49.10
22	TY4282WNR-2x11EF	42.00	53.30
24	TY4282WNR-2x12EF	46.20	57.50

Wafer

Vertical Dual Row

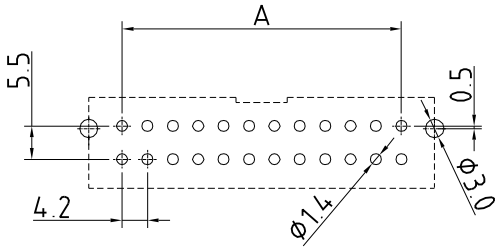
Features

Available Number of Circuits : 2x01 - 2x12

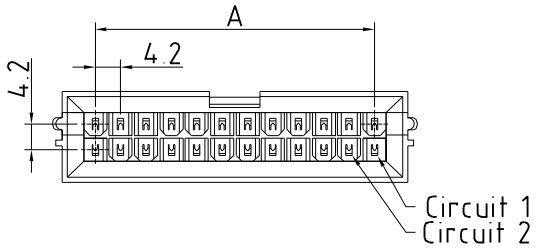
Material : Regular Thermoplastic 94V-0

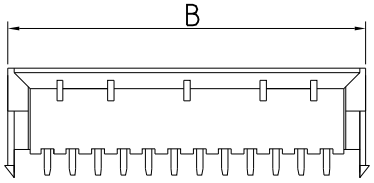
Contact: 0.25mm(.0098") Copper Alloy, Tin-plated

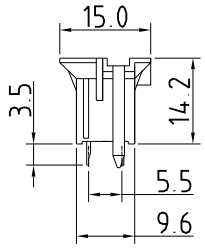
Mates with : TY4281 Series Dual Row Housing



P.C.B LAYOUT





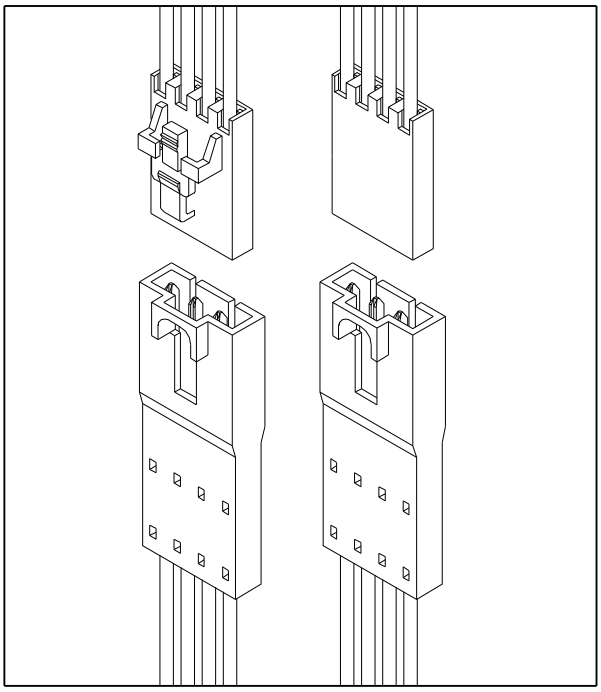


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TY4282WNV-2x01EF	--	11.10
4	TY4282WNV-2x02EF	4.20	15.20
6	TY4282WNV-2x03EF	8.40	19.40
8	TY4282WNV-2x04EF	12.60	23.60
10	TY4282WNV-2x05EF	16.80	27.80
12	TY4282WNV-2x06EF	21.00	32.00
14	TY4282WNV-2x07EF	25.20	36.20
16	TY4282WNV-2x08EF	29.40	40.40
18	TY4282WNV-2x09EF	33.60	44.60
20	TY4282WNV-2x10EF	37.80	48.80
22	TY4282WNV-2x11EF	42.00	53.00
24	TY4282WNV-2x12EF	46.20	57.20

TY5006 SERIES

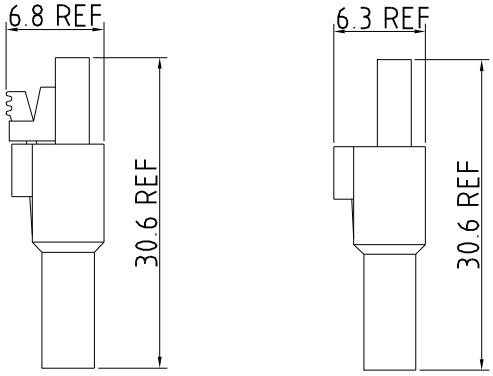
2.54mm Pitch Wire To Wire Connector



Specification

Circuits	02 - 25
Pitch	2.54mm
Current Rating	3A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	800V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #22 - #30

Assembly Layout



TY5006 * - NP
① ② ③

① Part No. TY5006		
② Connection Type: HNO : Terminal Socket		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TY5006 SERIES

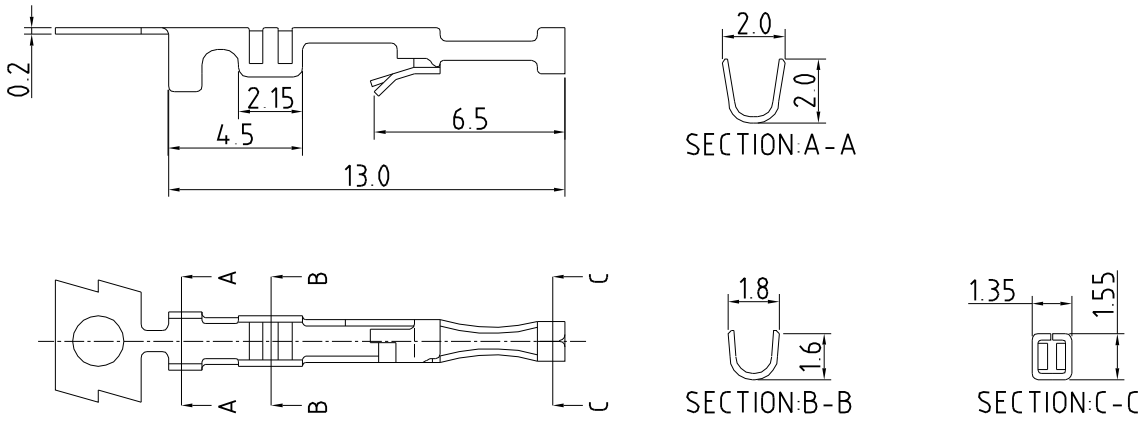
2.54mm Pitch Wire To Wire Connector

Unit : mm

Terminal

Features

Use with: TU5006 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TU5006TPO-2*	AWG #24-#30	1.50mm(MAX.)	Phosphor bronze	See note	10,000 pcs

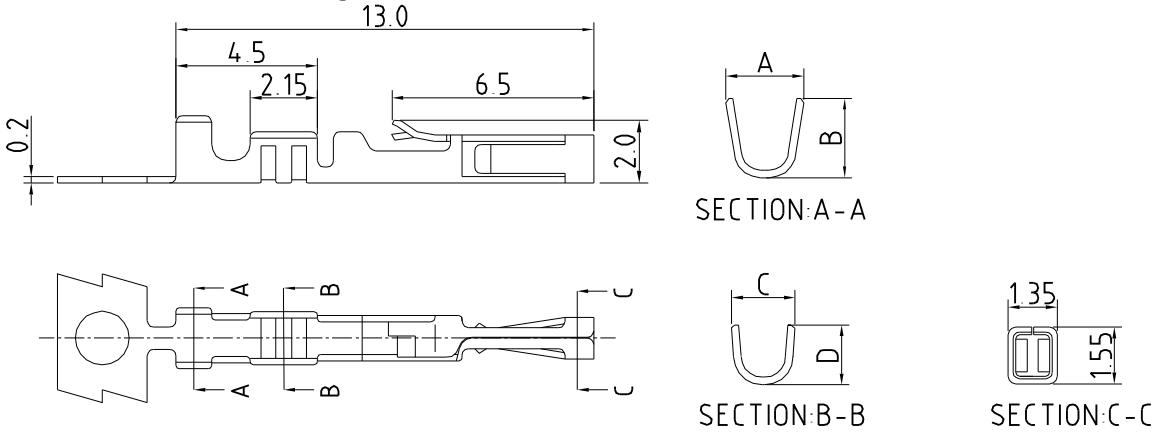
Note:

For this product in a different specification please contact TYU for more information

Terminal

Features

Use with: TU5006 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TU5006TPO-3*	AWG #24-#30	1.50mm(MAX.)	2.0	2.0	1.8	1.5	Phosphor bronze	See note	15,000 pcs
TU5006TPH-3*	AWG #22-#24	1.60mm(MAX.)	2.0	2.3	1.9	1.7			

Note:

For this product in a different specification please contact TYU for more information

TY5006 SERIES

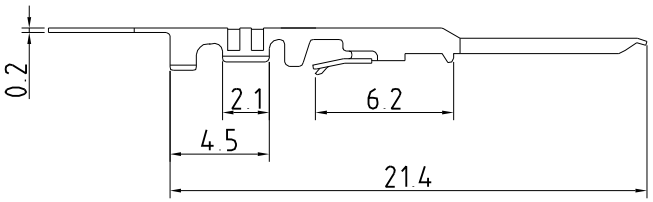
2.54mm Pitch Wire To Wire Connector

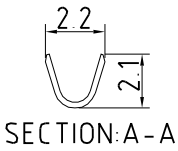
Unit : mm

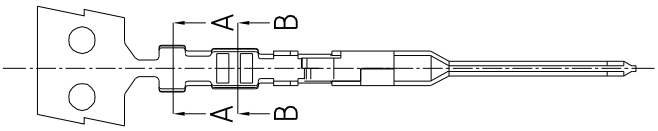
Terminal

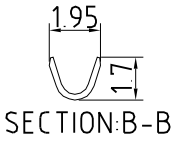
Features

Use with: TY5006 Series Housing









CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TY5006TPO-*	AWG #22-#30	1.70mm(MAX.)	Phosphor bronze	See note	15,000 pcs

Note:

For this product in a different specification please contact TYU for more information

Housing

Female

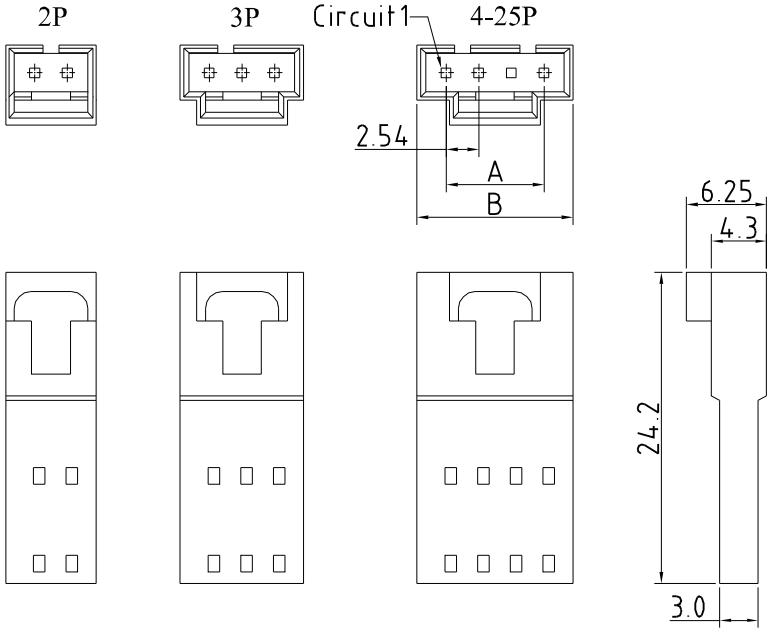
Features

Available Number of Circuits: 02 - 25

Material: Regular Thermoplastic 94V-0

Use with: TY5006 Crimp Terminal

Mates with : TU5006 Series Housing



Dimension and Order Information

Circuits	Part No	DIM:(mm)	
		A	B
2	TY5006HNO-1x02-*-*	2.54	7.12
3	TY5006HNO-1x03-*-*	5.08	9.66
4	TY5006HNO-1x04-*-*	7.62	12.20
5	TY5006HNO-1x05-*-*	10.16	14.74
6	TY5006HNO-1x06-*-*	12.70	17.28
7	TY5006HNO-1x07-*-*	15.24	19.82
8	TY5006HNO-1x08-*-*	17.78	22.36
9	TY5006HNO-1x09-*-*	20.32	24.90
10	TY5006HNO-1x10-*-*	22.86	27.44
11	TY5006HNO-1x11-*-*	25.40	29.98
12	TY5006HNO-1x12-*-*	27.94	32.52
13	TY5006HNO-1x13-*-*	30.48	35.06
14	TY5006HNO-1x14-*-*	33.02	37.60
15	TY5006HNO-1x15-*-*	35.56	40.14
16	TY5006HNO-1x16-*-*	38.10	42.68
17	TY5006HNO-1x17-*-*	40.64	45.22
18	TY5006HNO-1x18-*-*	43.18	47.76
19	TY5006HNO-1x19-*-*	45.72	50.30
20	TY5006HNO-1x20-*-*	48.26	52.84
21	TY5006HNO-1x21-*-*	50.80	55.38
22	TY5006HNO-1x22-*-*	53.34	57.92
23	TY5006HNO-1x23-*-*	55.88	60.64
24	TY5006HNO-1x24-*-*	58.42	63.00
25	TY5006HNO-1x25-*-*	60.96	65.54

TY5006 SERIES

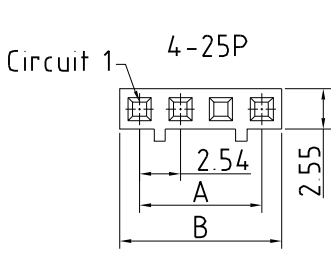
2.54mm Pitch Wire To Wire Connector

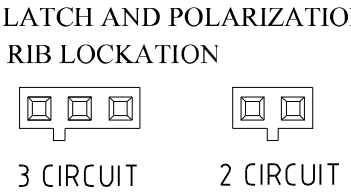
Unit : mm

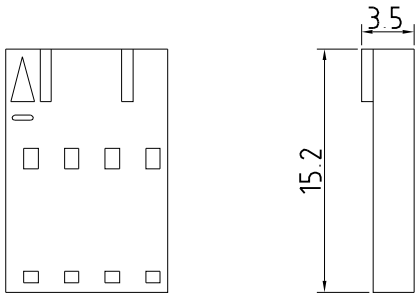
Housing Single Row F-TYPE

Features

Available Number of Circuits: 02 - 25
Material: Regular Thermoplastic 94V-0
Use with: TU5006 Crimp Terminal
Mates with : TU5006 Series Wafer or TY5006 Series Housing







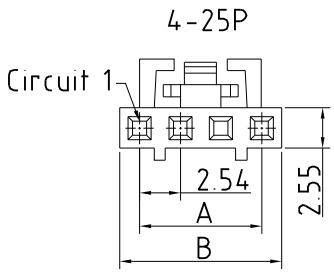
Dimension and Order Information

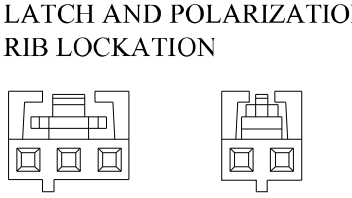
Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5006HNO-1x02F	2.54	5.05
3	TU5006HNO-1x03F	5.08	7.59
4	TU5006HNO-1x04F	7.62	10.13
5	TU5006HNO-1x05F	10.16	12.67
6	TU5006HNO-1x06F	12.70	15.21
7	TU5006HNO-1x07F	15.24	17.75
8	TU5006HNO-1x08F	17.78	20.29
9	TU5006HNO-1x09F	20.32	22.83
10	TU5006HNO-1x10F	22.86	25.37
11	TU5006HNO-1x11F	25.40	27.91
12	TU5006HNO-1x12F	27.94	30.45
13	TU5006HNO-1x13F	30.48	32.99
14	TU5006HNO-1x14F	33.02	35.53
15	TU5006HNO-1x15F	35.56	38.07
16	TU5006HNO-1x16F	38.10	40.61
17	TU5006HNO-1x17F	40.64	43.15
18	TU5006HNO-1x18F	43.18	45.69
19	TU5006HNO-1x19F	45.72	48.23
20	TU5006HNO-1x20F	48.26	50.77
21	TU5006HNO-1x21F	50.80	53.31
22	TU5006HNO-1x22F	53.34	55.85
23	TU5006HNO-1x23F	55.88	58.39
24	TU5006HNO-1x24F	58.42	60.93
25	TU5006HNO-1x25F	60.96	63.47

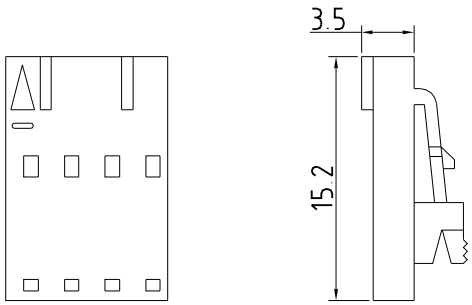
Housing Single Row With Lock

Features

Available Number of Circuits: 02 - 25
Material: Regular Thermoplastic 94V-0
Use with: TU5006 Crimp Terminal
Mates with : TU5006 Series Wafer or TY5006 Series Housing





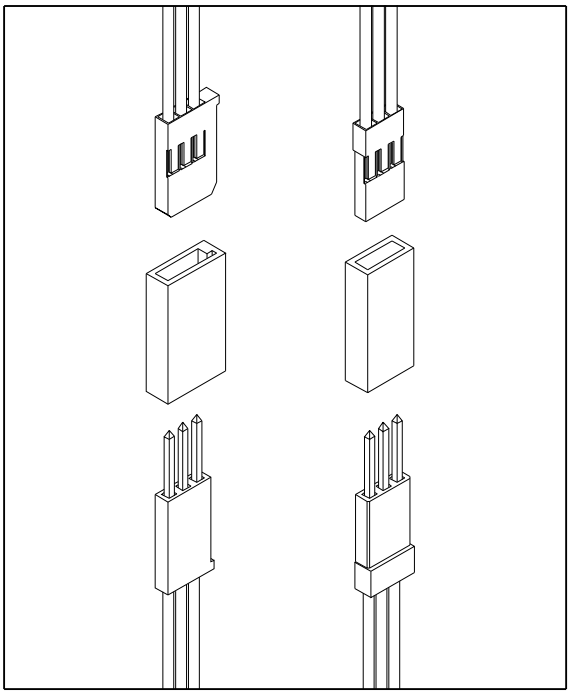


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5006HNO-1x02K	2.54	5.00
3	TU5006HNO-1x03K	5.08	7.54
4	TU5006HNO-1x04K	7.62	10.08
5	TU5006HNO-1x05K	10.16	12.62
6	TU5006HNO-1x06K	12.70	15.16
7	TU5006HNO-1x07K	15.24	17.70
8	TU5006HNO-1x08K	17.78	20.24
9	TU5006HNO-1x09K	20.32	22.78
10	TU5006HNO-1x10K	22.86	25.32
11	TU5006HNO-1x11K	25.40	27.86
12	TU5006HNO-1x12K	27.94	30.40
13	TU5006HNO-1x13K	30.48	32.49
14	TU5006HNO-1x14K	33.02	35.48
15	TU5006HNO-1x15K	35.56	38.02
16	TU5006HNO-1x16K	38.10	40.56
17	TU5006HNO-1x17K	40.64	43.10
18	TU5006HNO-1x18K	43.18	45.64
19	TU5006HNO-1x19K	45.72	48.18
20	TU5006HNO-1x20K	48.26	50.72
21	TU5006HNO-1x21K	50.80	53.26
22	TU5006HNO-1x22K	53.34	55.80
23	TU5006HNO-1x23K	55.88	58.34
24	TU5006HNO-1x24K	58.42	60.88
25	TU5006HNO-1x25K	60.96	63.42

TY5081/2/3/4 SERIES

2.54mm Pitch Wire To Wire Connector



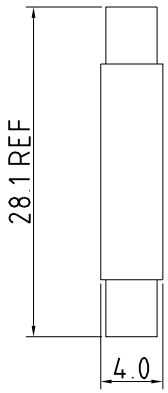
Specification

Circuits	03
Pitch	2.54mm
Current Rating	3A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	1500V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #22 - #28

Assembly Layout

TY5084CNO

TY5084HNO



TY5083 * - NP ① ② ③	TY5084 * - NP ① ② ③	
① Part No. TY5083,4		
② Connection Type: CNO : Terminal Crust HNO : Terminal Socket		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TY5081/2/3/4 SERIES

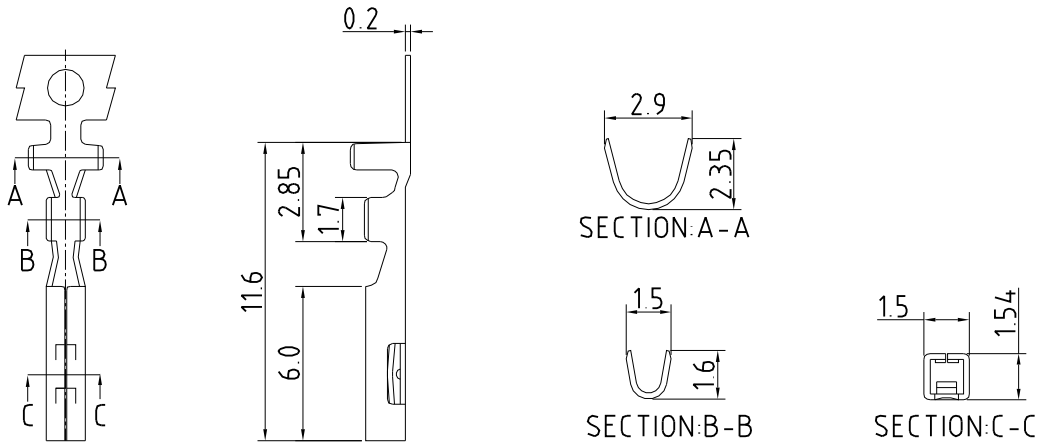
2.54mm Pitch Wire To Wire Connector

Unit : mm

Terminal Female

Features

Use with: TY5083,TY5084 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TY5081TPO-*	AWG #22-#28	1.60mm(MAX.)	Phosphor bronze	See note	10,000 pcs

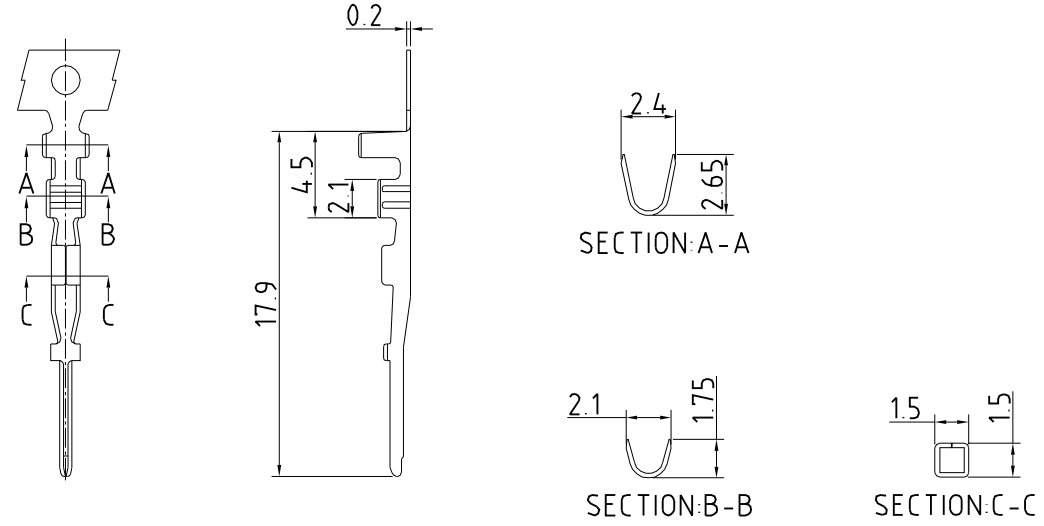
Note:

For this product in a different specification please contact TYU for more information

Terminal Male

Features

Use with: TY5083,TY5084 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TY5082TBO-*	AWG #22-#28	1.60mm(MAX.)	Brass	See note	10,000 pcs

Note:

For this product in a different specification please contact TYU for more information

TY5081/2/3/4 SERIES

2.54mm Pitch Wire To Wire Connector

Unit : mm

Crust

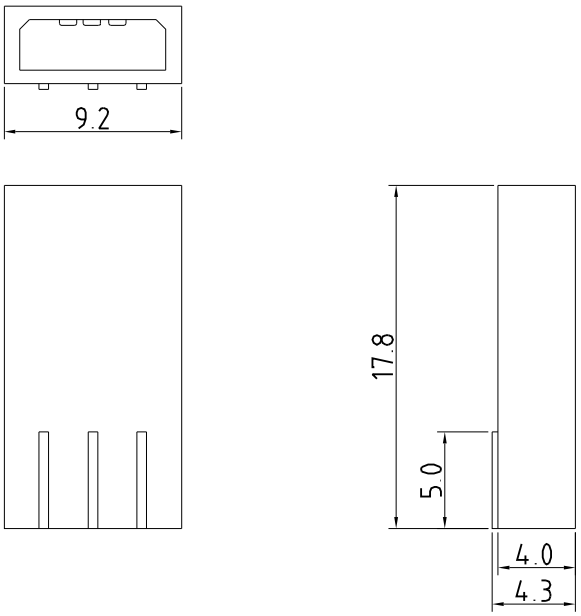
Features

Available Number of Circuits : 03

Material : Regular Thermoplastic 94V-0

Mates with : TY5083 Series Male Housing

Part No. TY5083CNO-03-*



Housing

Features

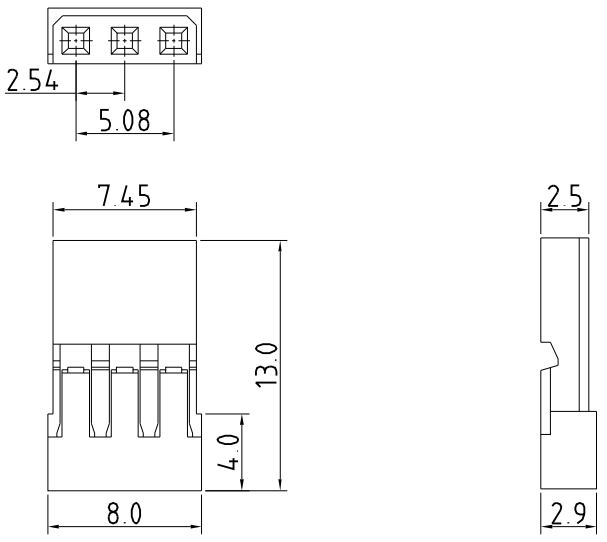
Available Number of Circuits : 03

Material : Regular Thermoplastic 94V-0

Use with : TY5081 , TY5082 Crimp Terminal

Mates with : TY5083CNO Series

Part No. TY5083HNO-03-*



TY5081/2/3/4 SERIES

2.54mm Pitch Wire To Wire Connector

Unit : mm

Crust

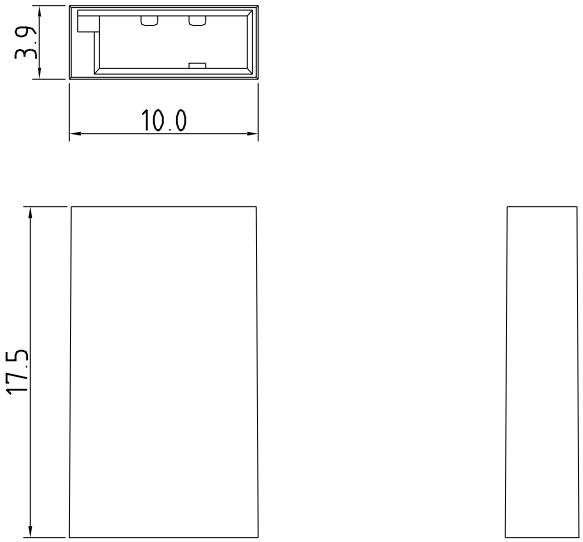
Features

Available Number of Circuits : 03

Material : Regular Thermoplastic 94V-0

Mates with : TY5084 Series Male Housing

Part No. TY5084CNO-03-*



Housing

Features

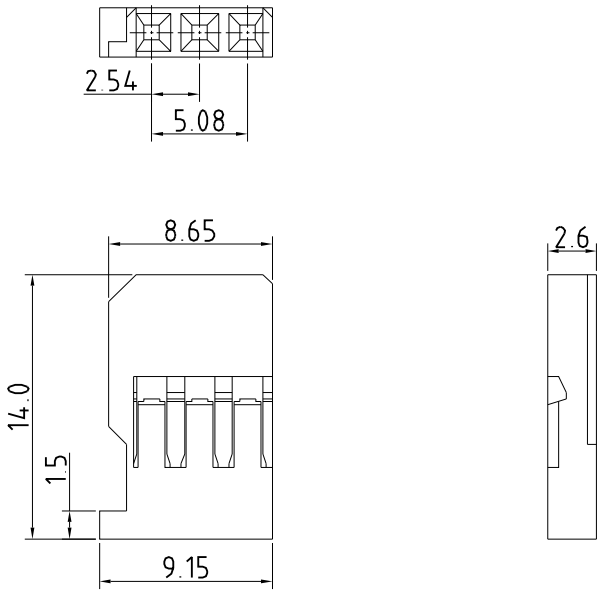
Available Number of Circuits : 03

Material : Regular Thermoplastic 94V-0

Use with : TY5081 , TY5082 Crimp Terminal

Mates with : TY5084CNO Series

Part No. TY5084HNO-03A-*



TY5081/2/3/4 SERIES

2.54mm Pitch Wire To Wire Connector

Unit : mm

Housing

Features

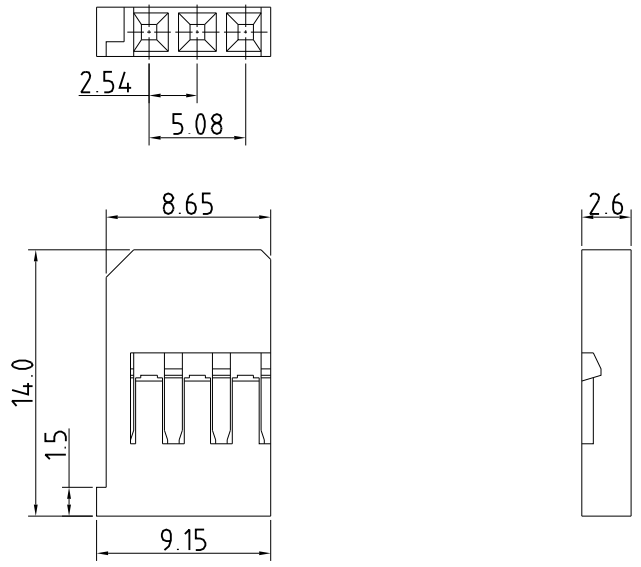
Available Number of Circuits : 03

Material : Regular Thermoplastic 94V-0

Use with : TY5081 , TY5082 Crimp Terminal

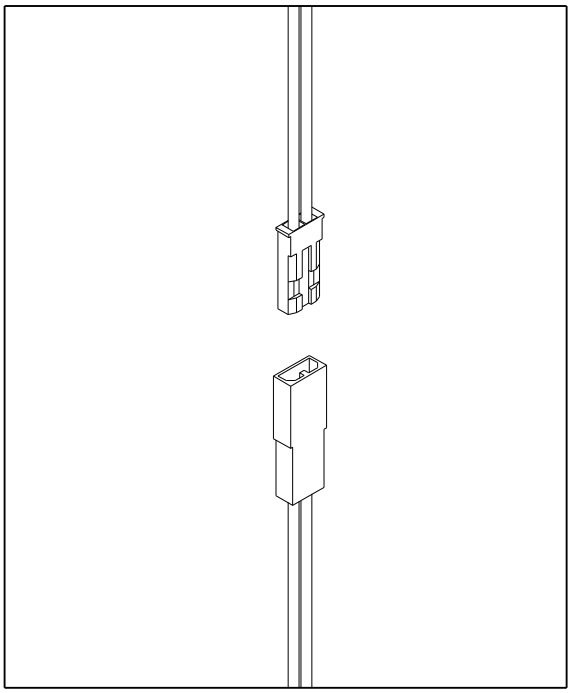
Mates with : TY5084CNO Series

Part No. TY5084HNO-03-*



TY5085/6 SERIES

2.54mm Pitch Wire To Wire Connector

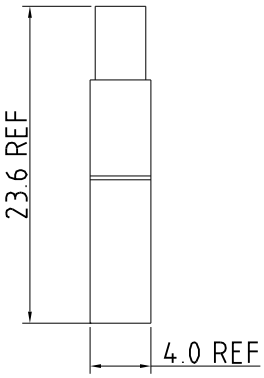


Specification

Circuits	02
Pitch	2.54mm
Current Rating	3A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	1500V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #22 - #28

Assembly Layout

TY5085HNO
TY5086HNO



TY5085 * - NP (① ② ③)		TY5086 * - NP (① ② ③)
① Part No. TY5085,6		
② Connection Type: HNO : Terminal Socket		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TY5085/6 SERIES

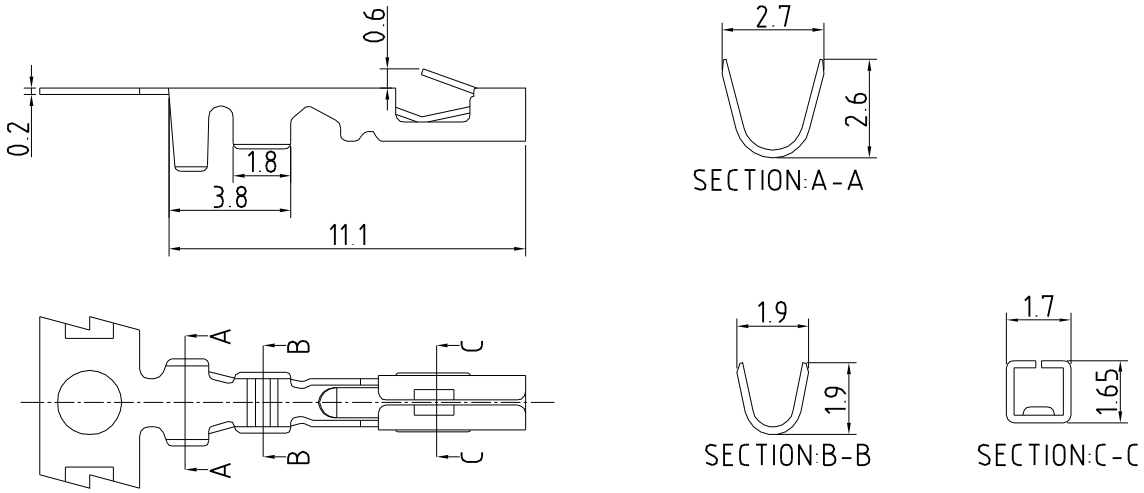
2.54mm Pitch Wire To Wire Connector

Unit : mm

Terminal Female

Features

Use with : TY5085 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TY5085TPO-*	AWG #22-#28	1.60mm(MAX.)	Phosphor bronze	See note	10,000 pcs

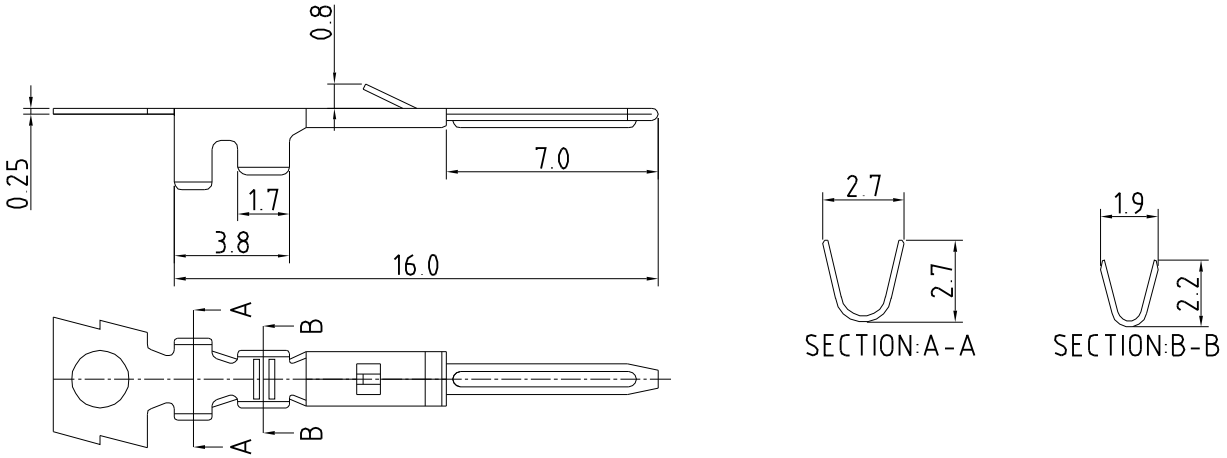
Note:

For this product in a different specification please contact TYU for more information

Terminal Male

Features

Use with: TY3082 Series Female Housing , TY5086 Series Male Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TY3082TBO-*	AWG #22-#28	1.70mm(MAX.)	Brass	See note	7,000 pcs

Note:

For this product in a different specification please contact TYU for more information

TY5085/6 SERIES

2.54mm Pitch Wire To Wire Connector

Unit : mm

Housing Male

Features

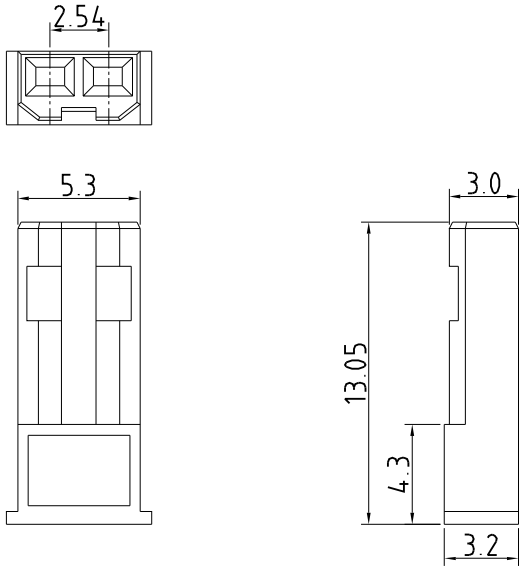
Available Number of Circuits : 02

Material : Regular Thermoplastic 94V-2

Use with : TY5085 Crimp Terminal

Mates with : TY5086 Series Female Housing

Part No. TY5085HNO-02



Housing Female

Features

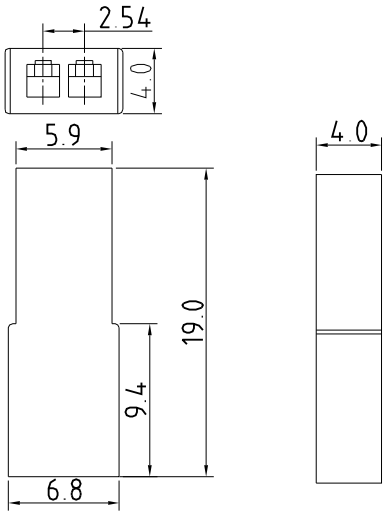
Available Number of Circuits : 02

Material : Regular Thermoplastic 94V-2

Use with : TY3082 Crimp Terminal

Mates with : TY5085 Series Male Housing

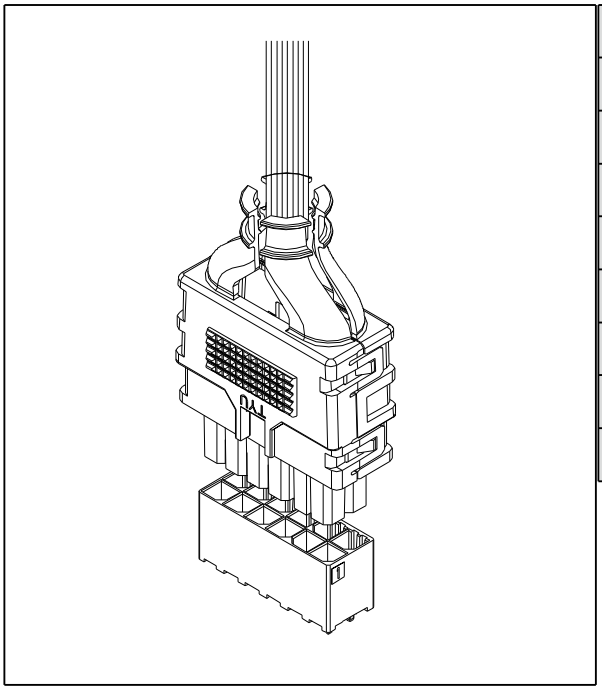
Part No. TY5086HNO-02



TY5701/2 SERIES

5.70mm Pitch Wire To Wire Connector

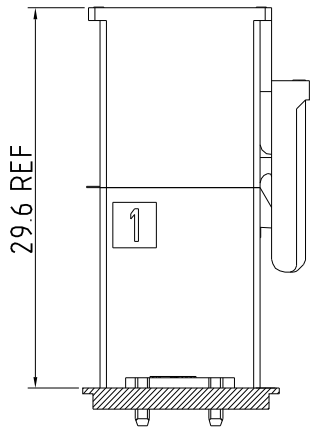
Specification



Circuits	2x01 - 2x06
Pitch	5.70mm
Current Rating	18A AC/DC (AWG 12 or 4.0 mm^2)
Voltage Rating	600V AC/DC
Contact Resistance	5mΩ MAX.
Withstand Voltage	2200V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #12 - #16

Assembly Layout

Vertical Type



TY5701 ①*-②2xNP③ TY5702 ①*-②2xNP③*-④*⑤0⑥*

① Part No. TY5701,2	④ Mount Type V0 : DIP Type Wafer	⑥ Product Color 0 : Black
② Connection Type: CNO : Terminal Backshell HNO : Terminal Socket WGV : High Current Vertical Wafer	⑤ Finish D : Bright-Tin 4 : Gold 15u" plated 5 : Gold 30u" plated	
③ Number of Contacts: 2xNP : Dual row		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TY5701/2 SERIES

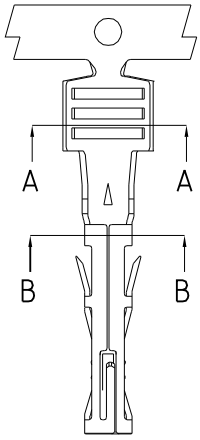
2.54mm Pitch Wire To Wire Connector

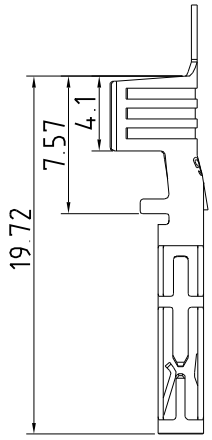
Unit : mm

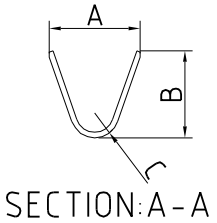
Terminal

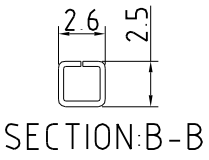
Features

Use with: TY5701 Series Housing









CONTACT INFORMATION

Part No.	Wire Range	DIM.(mm)			Material	Finish	Q'ty/Reel
		A	B	C			
TY5701TGO-*	AWG #14-#16	3.4	3.55	1.25	Phosphor bronze	See note	15,000 pcs
TY5701TGH-*	AWG #12	5.0	4.8	1.35			

Note:
For this product in a different specification please contact TYU for more information

Housing

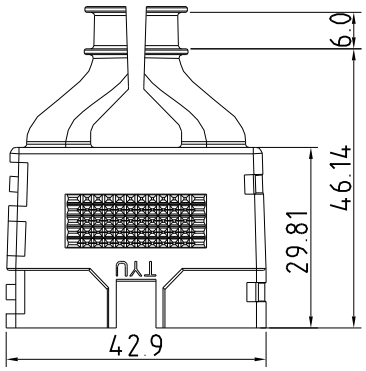
Backshell

Features

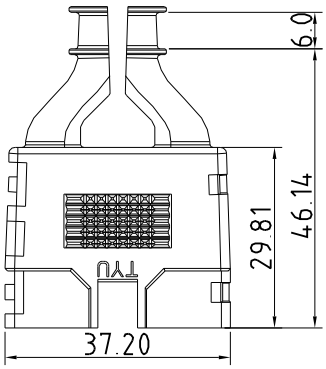
Available Number of Circuits: 2x01 - 2x06

Material: Regular Thermoplastic 94V-0

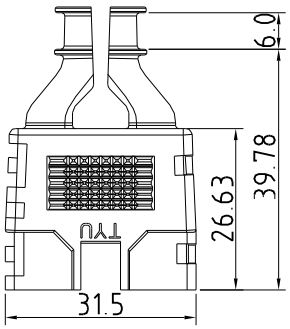
Mates with : TY5701 Series Housing



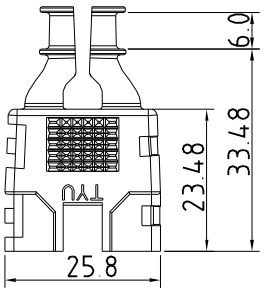
2x06



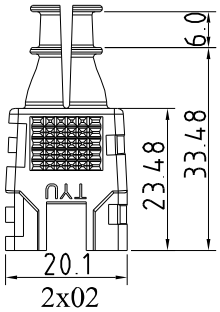
2x05



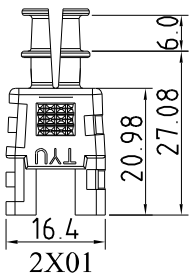
2x04



2x03



2x02



2X01

TY5701

TY5701/2 SERIES

5.70mm Pitch Wire To Wire Connector

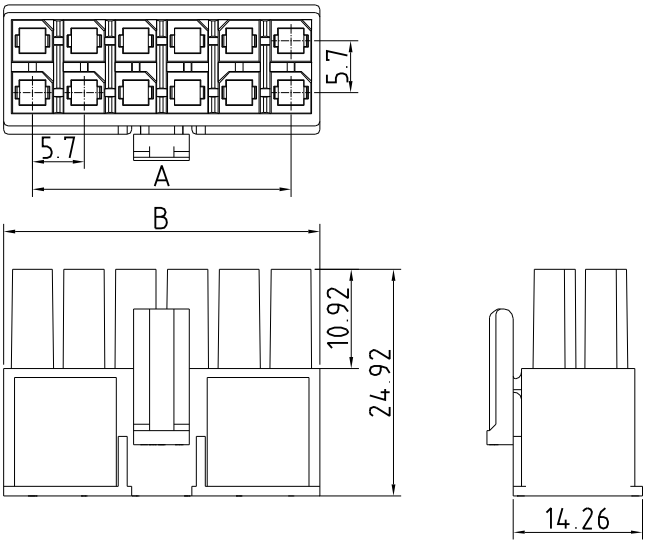
Unit : mm

Housing

Male

Features

Available Number of Circuits: 2x01 - 2x06
Material: Regular Thermoplastic 94V-0
Use with: TY5701 Crimp Terminal
Mates with : TY5702 Series Wafer



Dimension and Order Information

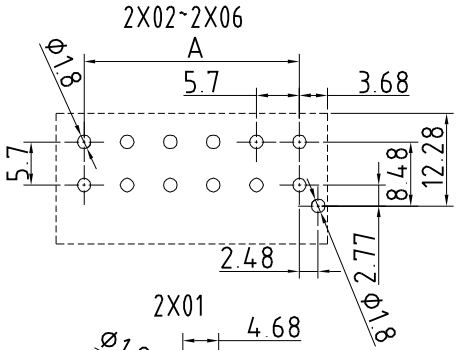
Circuits	Part No	DIM:(mm)	
		A	B
2	TY5701HNO-2x01	--	8.34
4	TY5701HNO-2x02	5.70	12.04
6	TY5701HNO-2x03	11.40	17.74
8	TY5701HNO-2x04	17.10	23.44
10	TY5701HNO-2x05	22.80	29.14
12	TY5701HNO-2x06	28.50	34.84

Wafer

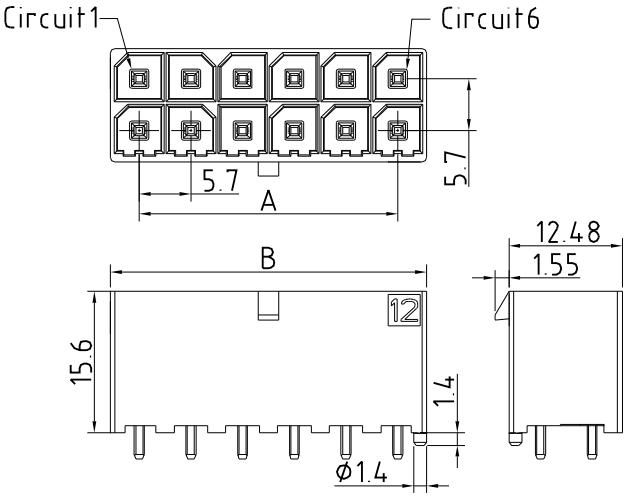
Vertical Type

Features

Available Number of Circuits : 2x01 - 2x06
Material : High Temperature Thermoplastic 94V-0
Contact : 1.10mm(.043") Copper Alloy, Tin-plated
Mates with : TY5701 Series Housing



P.C.B LAYOUT

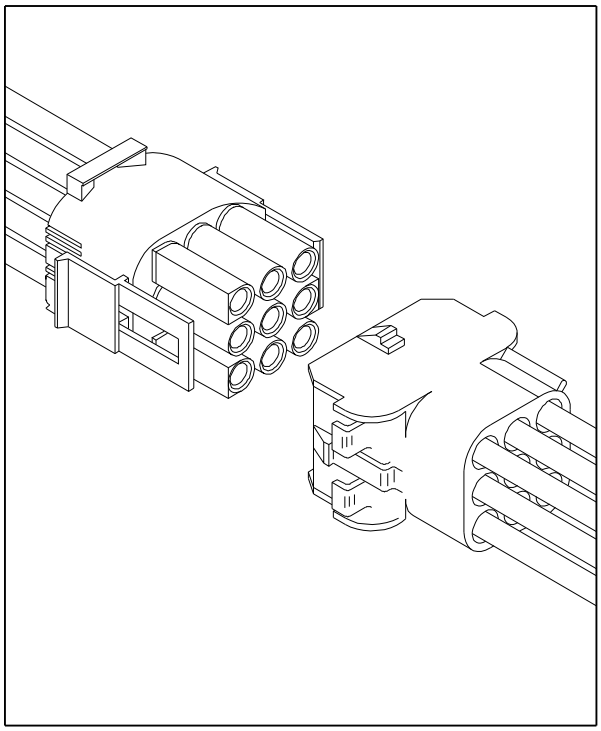


Dimension and Order Information

Circuits	Part No	DIM:(mm)	
		A	B
2	TY5702WGV-2x01*0-*0*	--	8.35
4	TY5702WGV-2x02*0-*0*	5.70	12.05
6	TY5702WGV-2x03*0-*0*	11.40	17.75
8	TY5702WGV-2x04*0-*0*	17.10	23.45
10	TY5702WGV-2x05*0-*0*	22.80	29.15
12	TY5702WGV-2x06*0-*0*	28.50	34.85

TY6351/2 SERIES

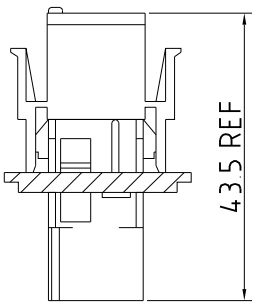
6.35mm Pitch Wire To Wire or Board Connector



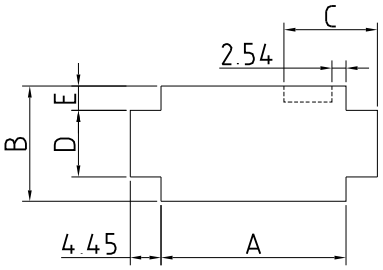
Specification

Circuits	01 - 15
Pitch	6.35mm
Current Rating	13A AC/DC(2.Circuit)
Voltage Rating	650V AC/DC
Contact Resistance	5mΩ MAX.
Withstand Voltage	1500V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #12 - #22

Assembly Layout



Panel Layout



Dimension and Order Information

Circuits	DIM.(mm)				
	A	B	C	D	E
1x02	14.35	13.45	6.35	8.65	2.40
1x03	20.70	13.45	6.35	8.65	2.40
1x04	27.05	13.45	6.35	8.65	2.40
2x03	20.70	26.15	6.35	12.20	7.00
3x03	20.70	26.15	6.35	12.20	7.00
3x04	27.05	26.15	8.90	12.20	7.00
3x05	33.40	26.15	8.90	12.20	7.00

TY6351 * - NP * (① ② ③ ④)　　TY6352 * - NP * (① ② ③ ④)

① Part No. TY6351,2

② Connection Type:
HNO : Terminal Socket
WNV : Vertical Wafer

③ Number of Contacts:
1xNP : Single row
2xNP : Dual row
3xNP : Triple row

④ Mount Type
F : F-Type Water

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TY6351/2 SERIES

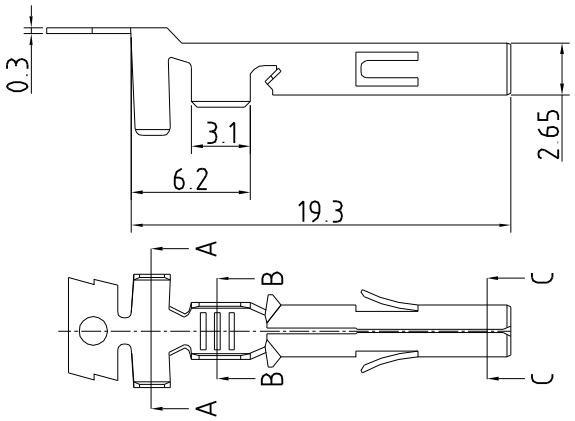
6.35mm Pitch Wire To Wire Connector

Unit : mm

Terminal Female

Features

Use with: TY6351 Series Male Housing



SECTION:A-A

SECTION:B-B

SECTION:C-C

CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TY6351TBL-*	AWG #18-#22	2.80mm(MAX.)	3.4	3.4	2.4	2.4	Brass	See note	3,500 pcs
TY6351TBO-*	AWG #16-#20	3.00mm(MAX.)	4.5	4.5	2.9	3.5			3,500 pcs
TY6351TBH-*	AWG #12-#14	3.70mm(MAX.)	5.8	5.8	2.9	3.4			2,500 pcs

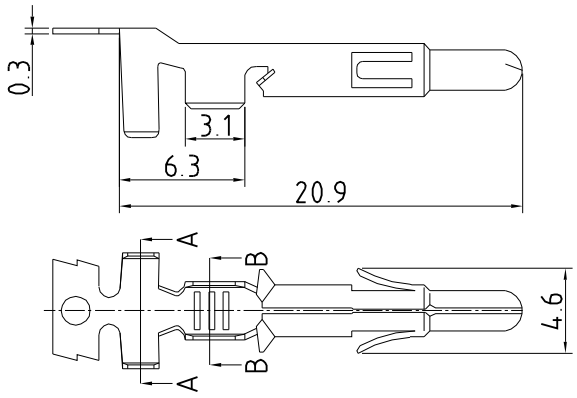
Note:

For this product in a different specification please contact TYU for more information

Terminal Male

Features

Use with: TY6352 Series 1-5P Female Housing



SECTION:A-A

SECTION:B-B

CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TY6352TBL-*	AWG #18-#22	2.80mm(MAX.)	3.3	3.4	2.3	2.4	Brass	See note	3,500 pcs
TY6352TBO-*	AWG #16-#20	3.00mm(MAX.)	4.5	4.5	2.9	3.5			3,500 pcs
TY6352TBH-*	AWG #12-#14	3.70mm(MAX.)	5.8	5.8	2.9	3.5			2,500 pcs

Note:

For this product in a different specification please contact TYU for more information

TY6351/2 SERIES

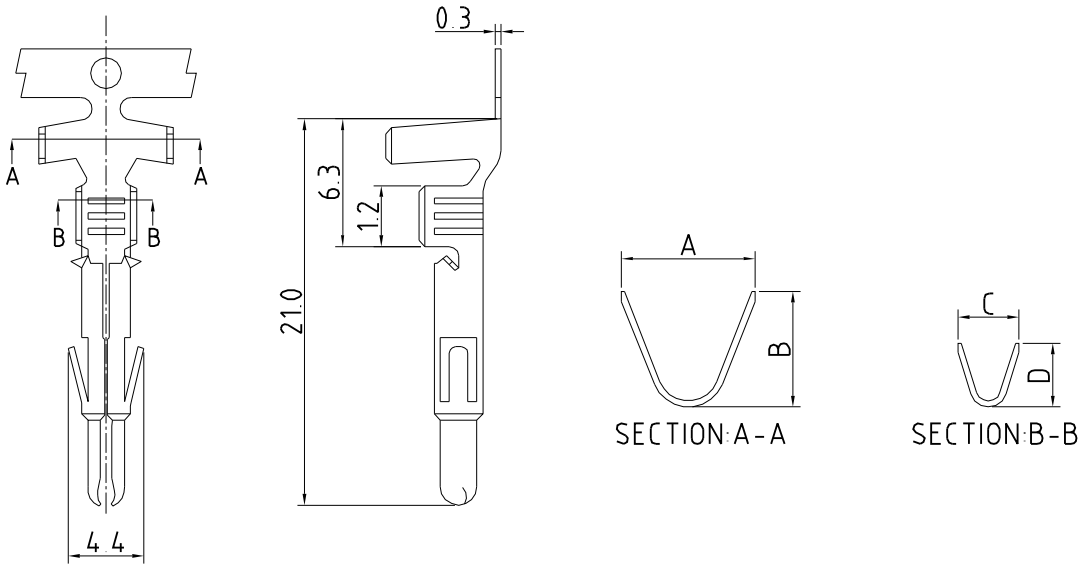
6.35mm Pitch Wire To Wire Connector

Unit : mm

Terminal Male

Features

Use with: TY6352 Series 6-15P Female Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TY6352TBL-*L	AWG #18-#22	2.80mm(MAX.)	3.3	3.3	2.4	2.4	Brass	See note	3,500 pcs
TY6352TBO-*L	AWG #16-#20	3.00mm(MAX.)	4.0	4.5	3.5	3.2			3,500 pcs
TY6352TBH-*L	AWG #12-#14	3.70mm(MAX.)	5.5	5.9	3.5	3.2			2,500 pcs

Note:

For this product in a different specification please contact TYU for more information

TY6351/2 SERIES

6.35mm Pitch Wire To Wire Connector

Unit : mm

Housing

Male and Female

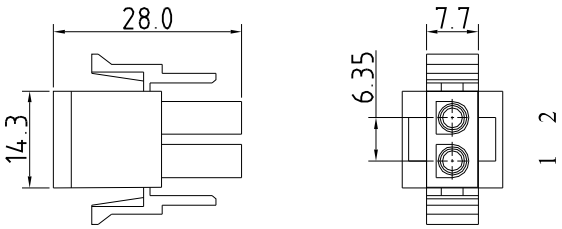
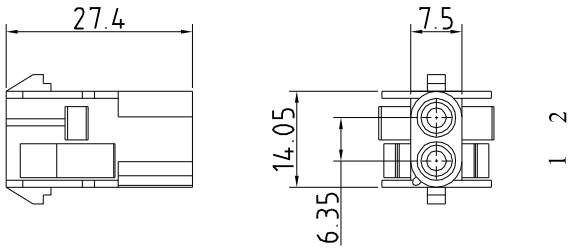
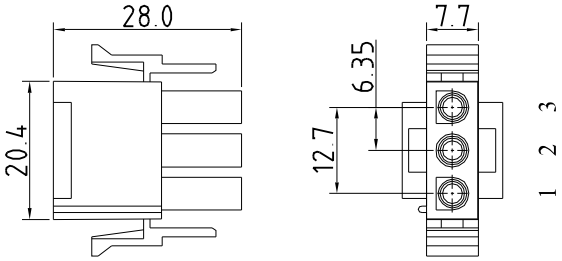
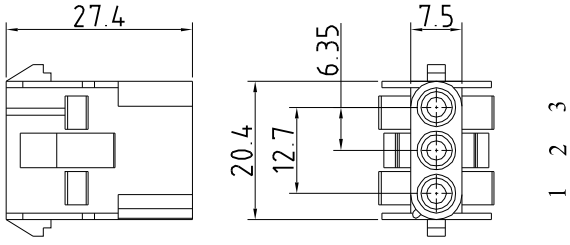
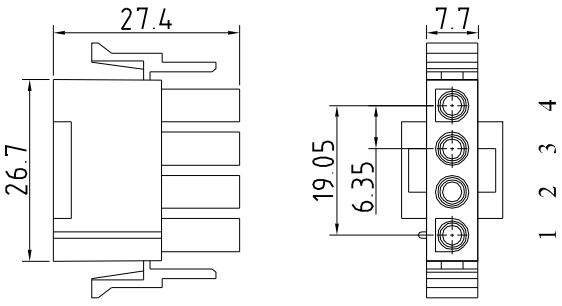
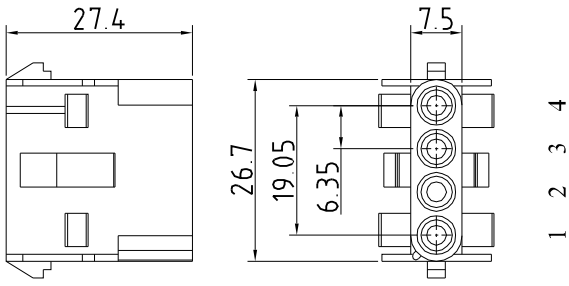
Features

Available Number of Circuits: 01 - 15

Material: Regular Thermoplastic 94V-2

Use with: TY6351H for TY6351 Crimp Terminal , TY6352H for TY6352 Crimp Terminal

Mates with : TY6351H for TY6352H

MALE HOUSING PITCH 6.35mm	FEMALE HOUSING PITCH 6.35mm
 TY6351HNO-1x01	 TY6352HNO-1x01
 TY6351HNO-1x02	 TY6352HNO-1x02
 TY6351HNO-1x03	 TY6352HNO-1x03
 TY6351HNO-1x04	 TY6352HNO-1x04

TY6351

TY6351/2 SERIES

6.35mm Pitch Wire To Wire Connector

Unit : mm

Housing

Male and Female

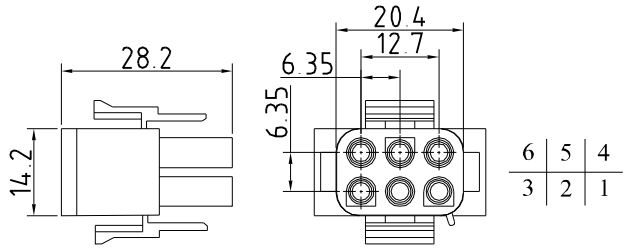
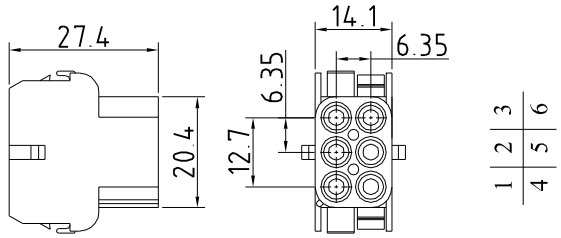
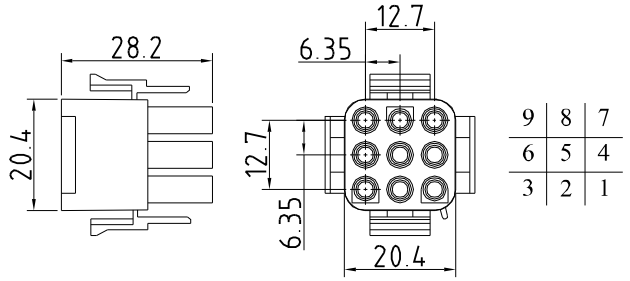
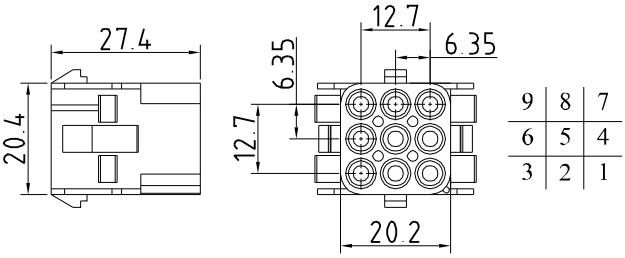
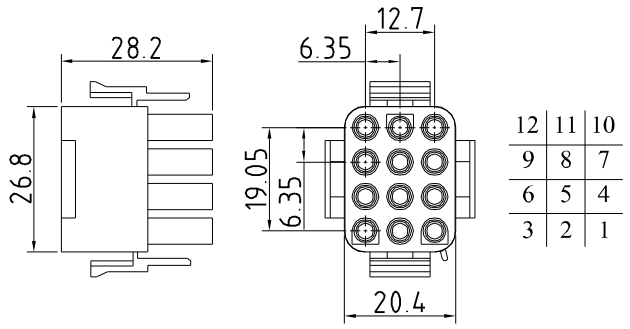
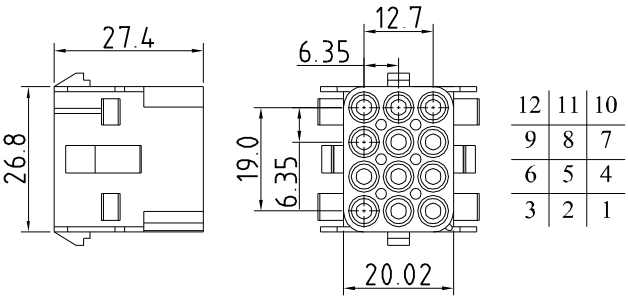
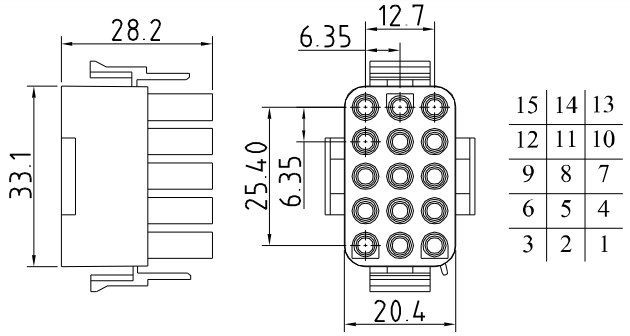
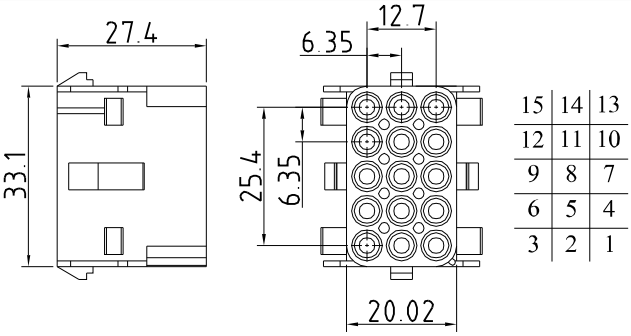
Features

Available Number of Circuits: 01 - 15

Material: Regular Thermoplastic 94V-2

Use with: TY6351H for TY6351 Crimp Terminal , TY6352H for TY6352 Crimp Terminal

Mates with : TY6351H for TY6352H

MALE HOUSING PITCH 6.35mm	FEMALE HOUSING PITCH 6.35mm
 TY6351HNO-3x02	 TY6352HNO-3x02
 TY6351HNO-3x03	 TY6352HNO-3x03
 TY6351HNO-3x04	 TY6352HNO-3x04
 TY6351HNO-3x05	 TY6352HNO-3x05

TY6351/2 SERIES

6.35mm Pitch Wire To Board Connector

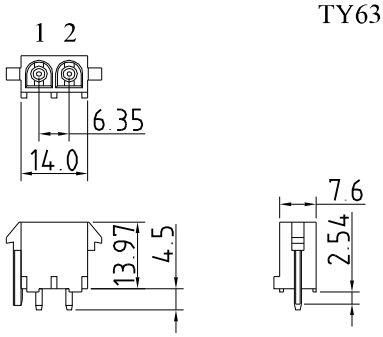
Unit : mm

Wafer

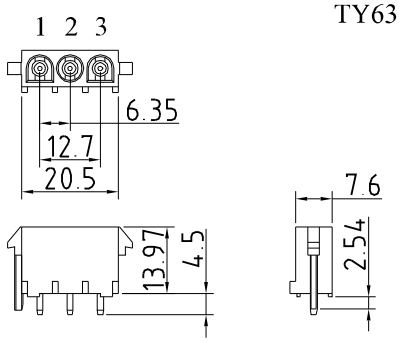
Features

Available Number of Circuits: 02 - 15
Material: Regular Thermoplastic 94V-2
Contact : Copper Alloy, Tin-plated
Mates with : TY6351 Series Housing

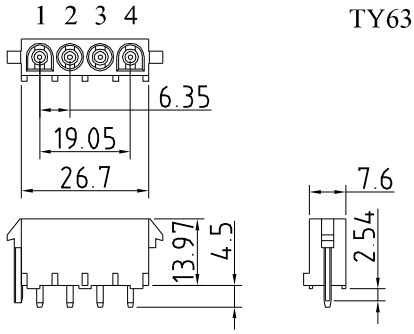
TY6352WNV-1x02F

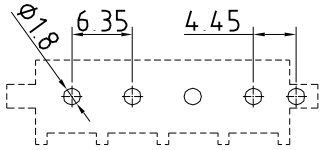


TY6352WNV-1x03F



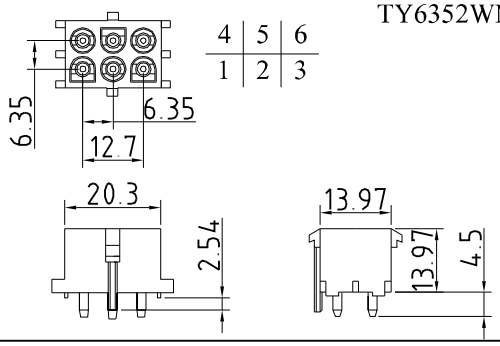
TY6352WNV-1x04F

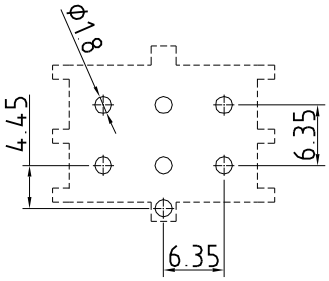




P.C.B LAYOUT

TY6352WNV-3x02F





P.C.B LAYOUT

TY6351

TY6351/2 SERIES

6.35mm Pitch Wire To Board Connector

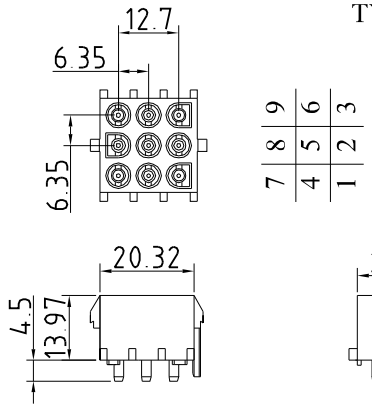
Unit : mm

Wafer

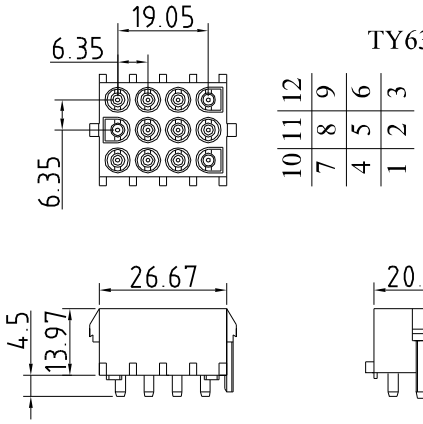
Features

Available Number of Circuits: 02 - 15
Material: Regular Thermoplastic 94V-2
Contact : Copper Alloy, Tin-plated
Mates with : TY6351 Series Housing

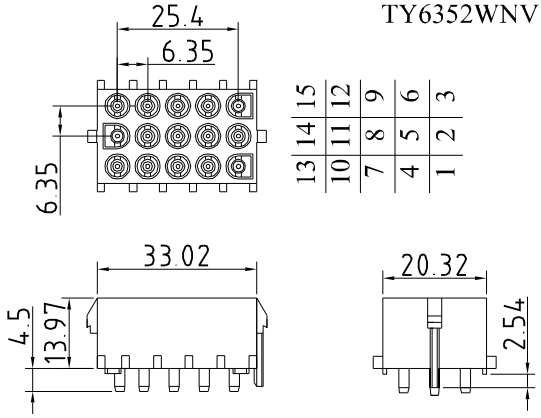
TY6352WNV-3x03F

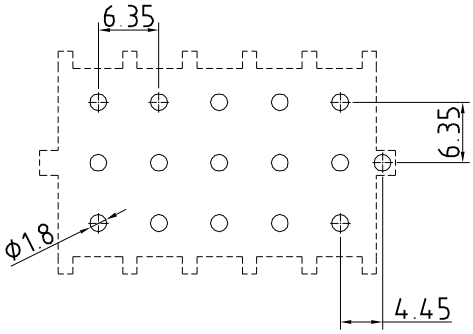


TY6352WNV-3x04F



TY6352WNV-3x05F





P.C.B LAYOUT

TY6351

TY6351/2 SERIES

6.35mm Pitch Board To Board Connector

Wafer Receptacle-Type

Unit : mm

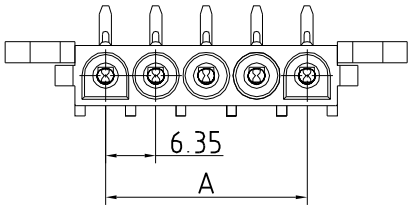
Features

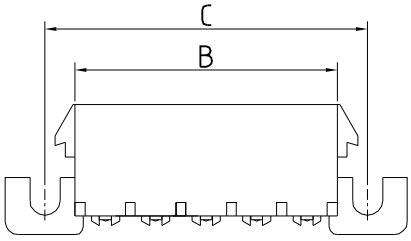
Available Number of Circuits : 02 - 10

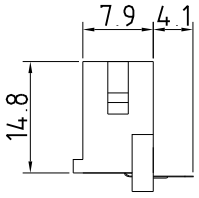
Material : High Temperature Thermoplastic 94V-0

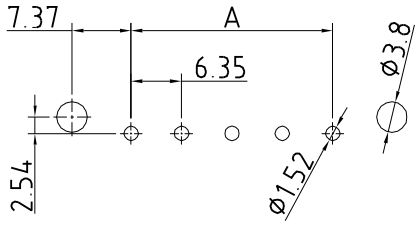
Contact : 0.2mm(.008") Copper Alloy, Matte-Tin

Mates with : TY6351 Series Housing









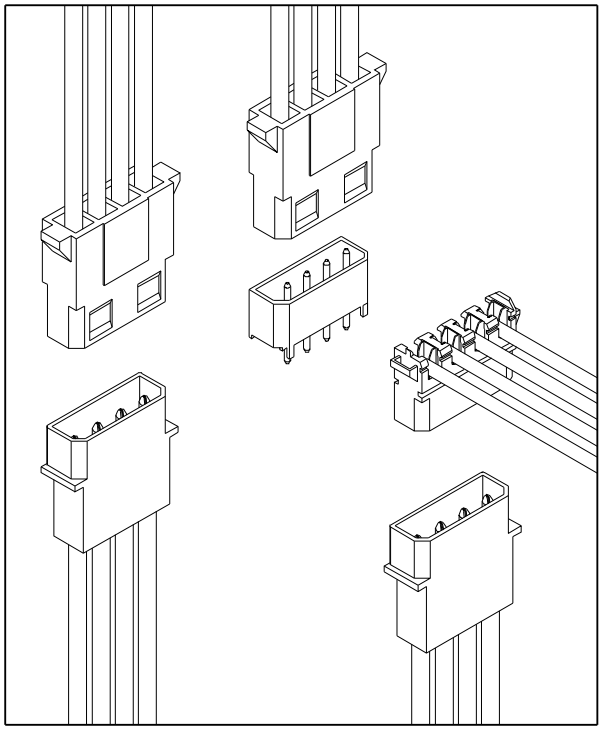
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
02	TY6352WNR-02E-*-*	6.35	13.97	21.08
03	TY6352WNR-03E-*-*	12.70	20.32	27.43
04	TY6352WNR-04E-*-*	19.05	26.67	33.78
05	TY6352WNR-05E-*-*	25.40	33.02	40.13
06	TY6352WNR-06E-*-*	31.75	39.37	46.48
07	TY6352WNR-07E-*-*	38.10	45.72	52.83
08	TY6352WNR-08E-*-*	44.45	52.07	59.18
09	TY6352WNR-09E-*-*	50.80	58.42	65.53
10	TY6352WNR-10E-*-*	57.15	64.77	71.88

TY8081/2 SERIES

5.08mm Pitch Wire To Wire or Board Connector

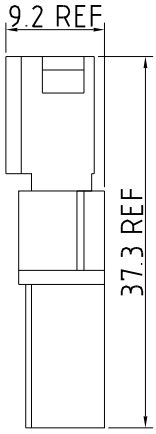


Specification

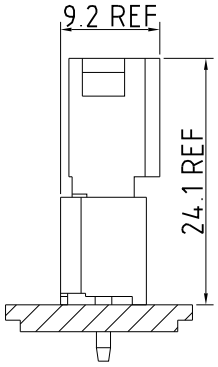
Circuits	04
Pitch	5.08mm
Current Rating	5A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	25mΩ MAX.
Withstand Voltage	1,500V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #16 - #24
Applicable P.C.B Thickness	0.8mm - 1.6mm
Applicable P.C.B Hole Dia.	Ø1.8mm ± 0.05

Assembly Layout

Vertical Type



Vertical Dip Type



TY8081* - NP * (① ② ③ ④)		TY8082* - NP * (① ② ③ ④)
① Part No. TY8081,2	④ Mount Type R : R-Type Wafer T : T-Type Wafer	
② Connection Type: HNO : Terminal Socket WNV : Vertical Wafer WNR : Right Angle Wafer		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TY8081/2 SERIES

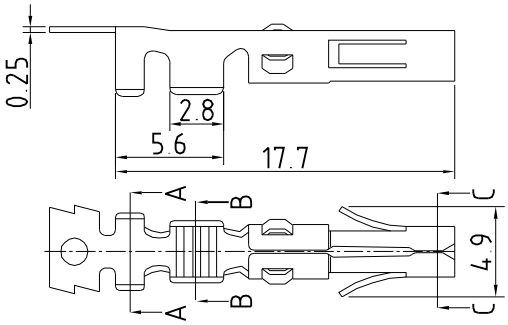
5.08mm Pitch Wire To Wire Connector

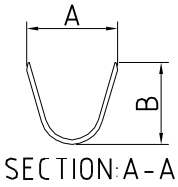
Unit : mm

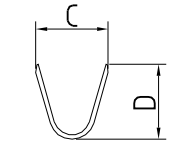
Terminal — Female

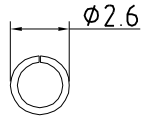
Features

Use with: TY8081 Series Male Housing









CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TY8081TBL-*	AWG #20-#24	2.30mm(MAX.)	3.8	3.2	2.7	2.2	Brass	See note	6,000 pcs
TY8081TBH-*	AWG #16-#20	2.50mm(MAX.)	3.9	3.5	3.1	3.2			
TY8081TPL-*	AWG #20-#24	2.30mm(MAX.)	3.8	3.2	2.7	2.2	Phosphor bronze	See note	6,000 pcs
TY8081TPH-*	AWG #16-#20	2.50mm(MAX.)	3.9	3.5	3.1	3.2			

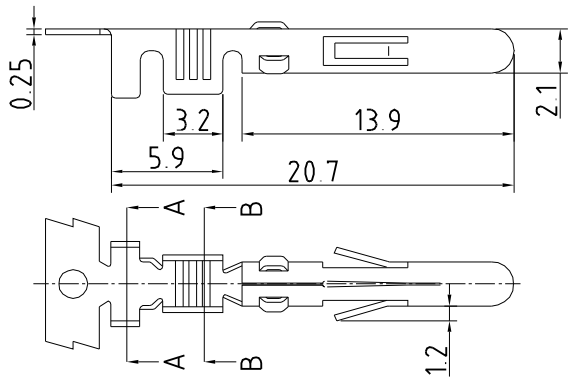
Note:

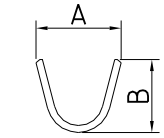
For this product in a different specification please contact TYU for more information

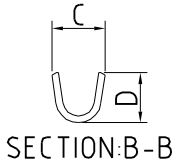
Terminal — Male

Features

Use with: TY8082 Series Female Housing







CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	DIM.(mm)				Material	Finish	Q'ty/Reel
			A	B	C	D			
TY8082TBL-*	AWG #20-#24	2.30mm(MAX.)	3.3	3.5	2.3	2.4	Brass	See note	5,000 pcs
TY8082TBH-*	AWG #16-#20	2.50mm(MAX.)	3.5	3.9	2.9	3.4			
TY8082TPL-*	AWG #20-#24	2.30mm(MAX.)	3.3	3.5	2.3	2.4	Phosphor bronze	See note	5,000 pcs
TY8082TPH-*	AWG #16-#20	2.50mm(MAX.)	3.5	3.9	2.9	3.4			

Note:

For this product in a different specification please contact TYU for more information

TY8081/2 SERIES

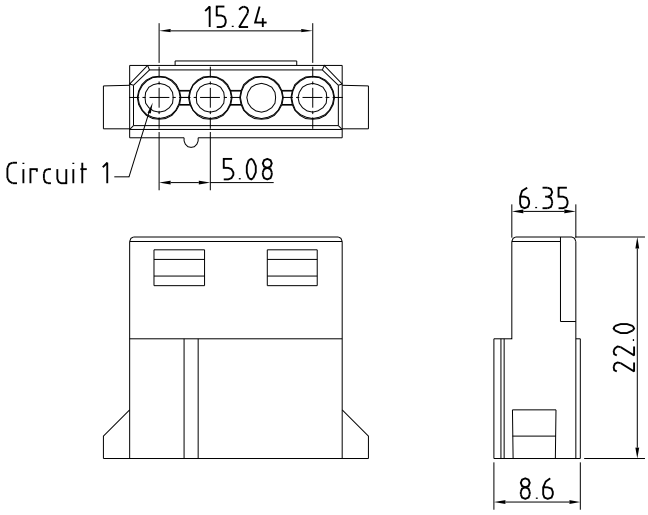
5.08mm Pitch Wire To Wire Connector

Unit : mm

Housing Male

Features

Available Number of Circuits: 04
Material: Regular Thermoplastic 94V-2
Use with: TY8081 Crimp Terminal
Mates with : TY8082 Series Wafer or Housing
Part No. : TY8081HNO-04

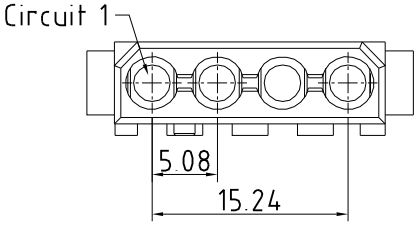


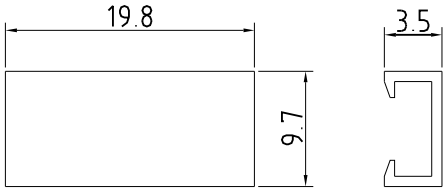
Housing IDC-TYPE

Features

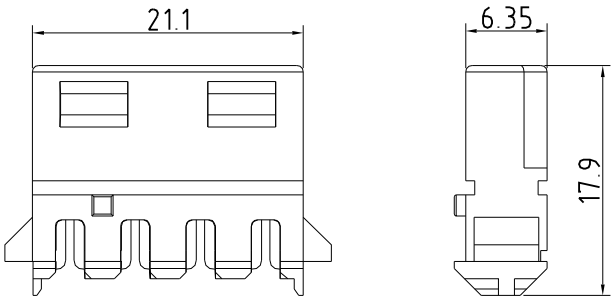
Available Number of Circuits: 04
Material: Regular Thermoplastic 94V-2
Mates with : TY8082 Series Wafer
Part No. : TY8081HNO-04T- *

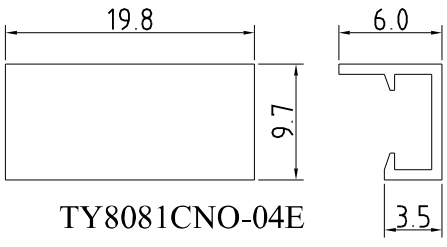
TY8081HNO-04T- *
18: AWG #18
20: AWG #20
22: AWG #22





TY8081CNO-04T





TY8081CNO-04E

TY8081

TY8081/2 SERIES

5.08mm Pitch Wire To Board Connector

Unit : mm

Housing

Female

Features

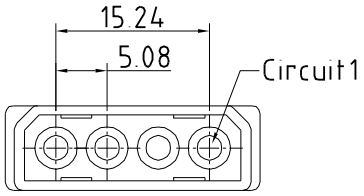
Available Number of Circuits: 04

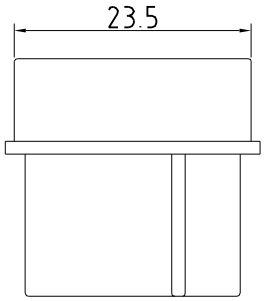
Material: Regular Thermoplastic 94V-2

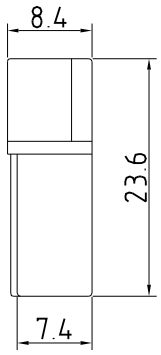
Use with: TY8082 Crimp Terminal

Mates with : TY8081 Series Housing

Part No. : TY8082HNO-04







Wafer

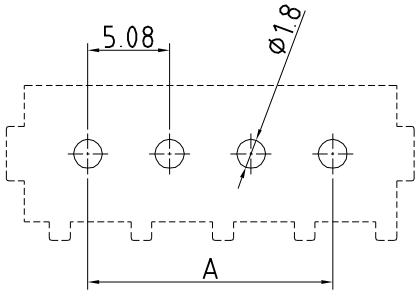
Features

Available Number of Circuits : 04

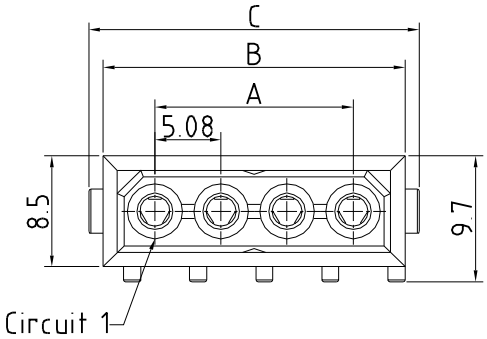
Material : Regular Thermoplastic 94V-2

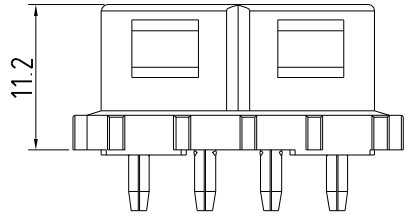
Contact : Copper Alloy, Tin-plated

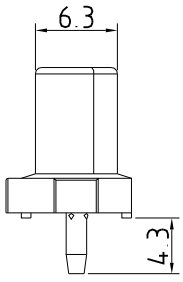
Mates with : TY8082 Series Housing



P.C.B LAYOUT







Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
2	TY8081WNV-02	5.08	10.84	15.24
3	TY8081WNV-03	10.16	15.92	20.32
4	TY8081WNV-04	15.24	21.00	25.40

TY8081/2 SERIES

5.08mm Pitch Wire To Board Connector

Unit : mm

Wafer Vertical

Features

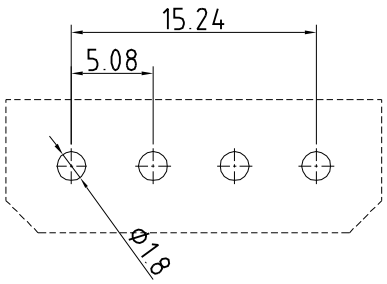
Available Number of Circuits : 04

Material : Regular Thermoplastic 94V-2

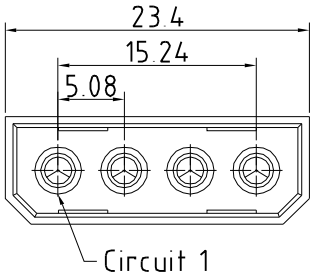
Contact : Copper Alloy, Tin-plated

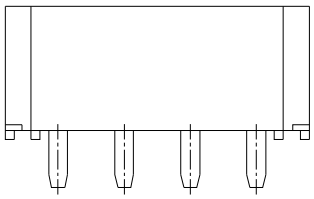
Mates with : TY8081 Series Housing

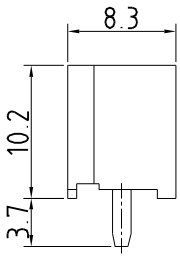
Part No. : TY8082WNV-04



P.C.B LAYOUT







Wafer Vertical R-Type

Features

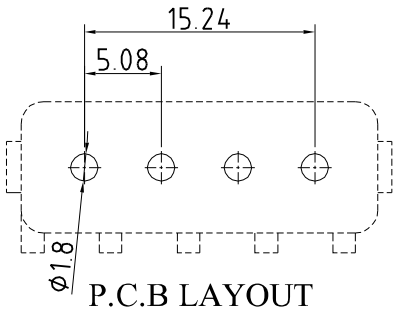
Available Number of Circuits : 04

Material : Regular Thermoplastic 94V-2

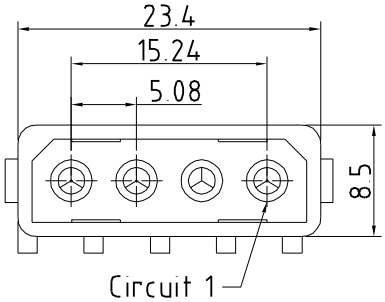
Contact : Copper Alloy, Tin-plated

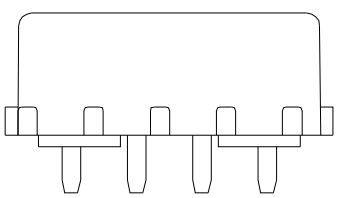
Mates with : TY8081 Series Housing

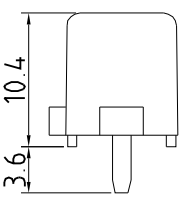
Part No. : TY8082WNV-04R



P.C.B LAYOUT







TY8081/2 SERIES

5.08mm Pitch Wire To Board Connector

Unit : mm

Wafer

Right Angle

Features

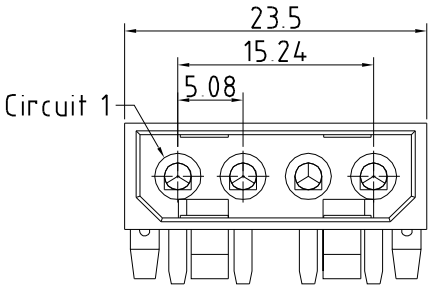
Available Number of Circuits : 04

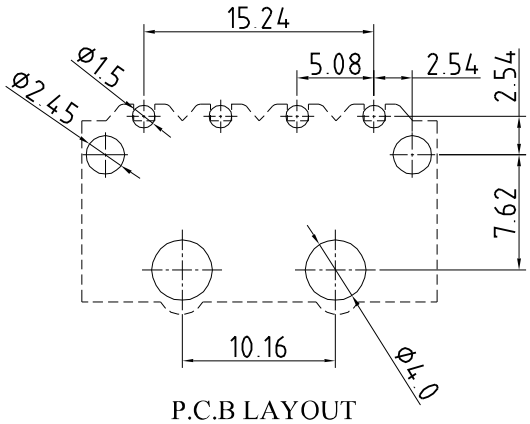
Material : Regular Thermoplastic 94V-2

Contact : Copper Alloy, Tin-plated

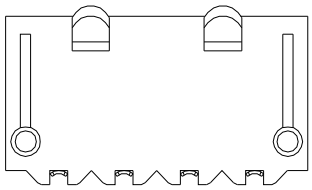
Mates with : TY8081 Series Housing

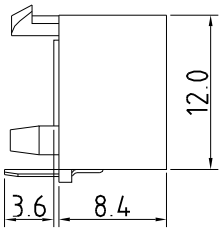
Part No. : TY8082WNR-04





P.C.B LAYOUT





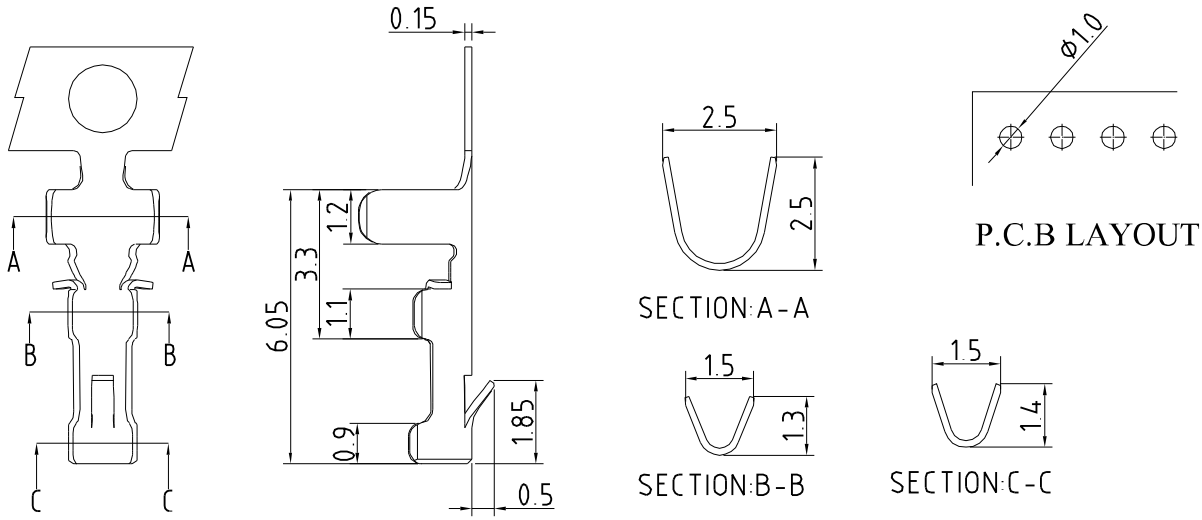
TY8081

TB1261 SERIES

Ø1.0,1.2 Board-in Crimp Style Terminal

Unit : mm

Ø1.0 - 1.2 Crimp Terminal



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TB1261TBO-*	AWG#24-#28	1.60mm(MAX.)	Brass	See note	14,000 pcs
TB1261TPO-*			Phosphor bronze		

Note:

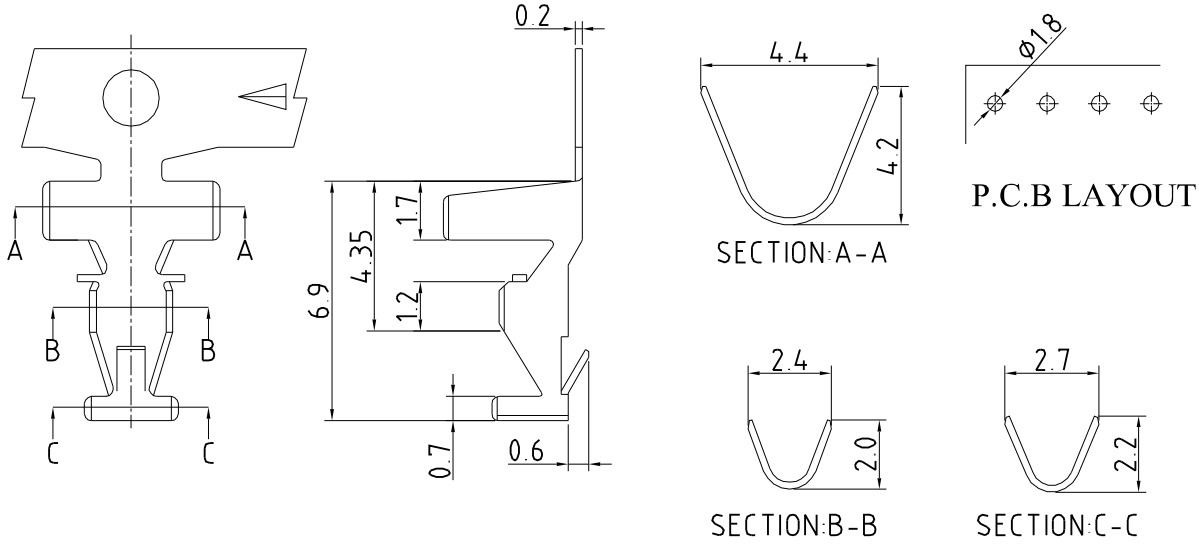
For this product in a different specification please contact TYU for more information

TB1861/2 SERIES

Ø1.8mm Board-in Crimp Style Terminal

Unit : mm

Ø1.8 Crimp Terminal



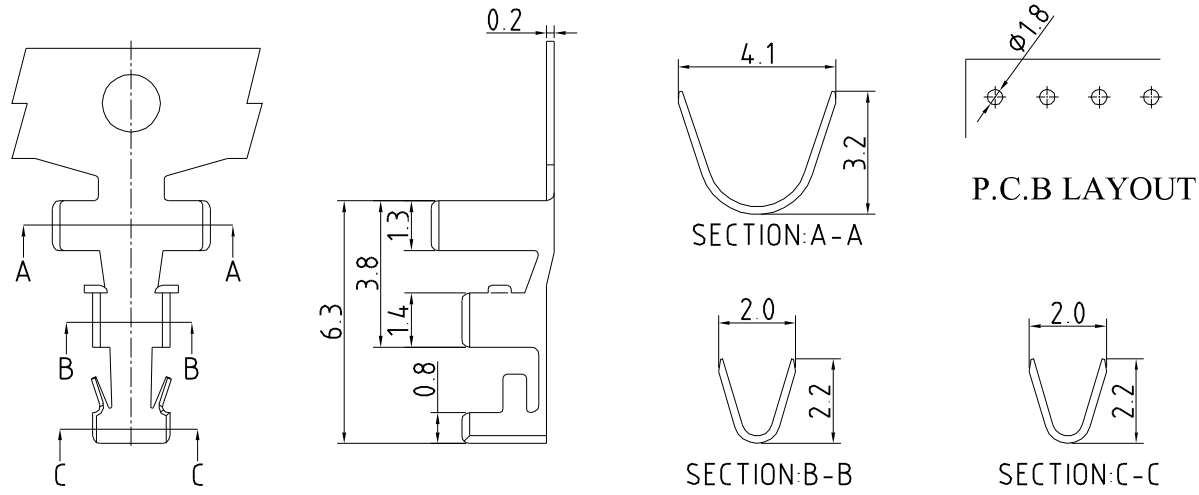
CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TB1861TBO-*	AWG#18-#22	3.00mm(MAX.)	Brass	See note	4,000 pcs
TB1861TPO-*			Phosphor bronze		

Note:

For this product in a different specification please contact TYU for more information

Ø1.8 Crimp Terminal



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TB1862TBO-*	AWG#18-#22	3.00mm(MAX.)	Brass	See note	4,000 pcs
TB1862TPO-*			Phosphor bronze		

Note:

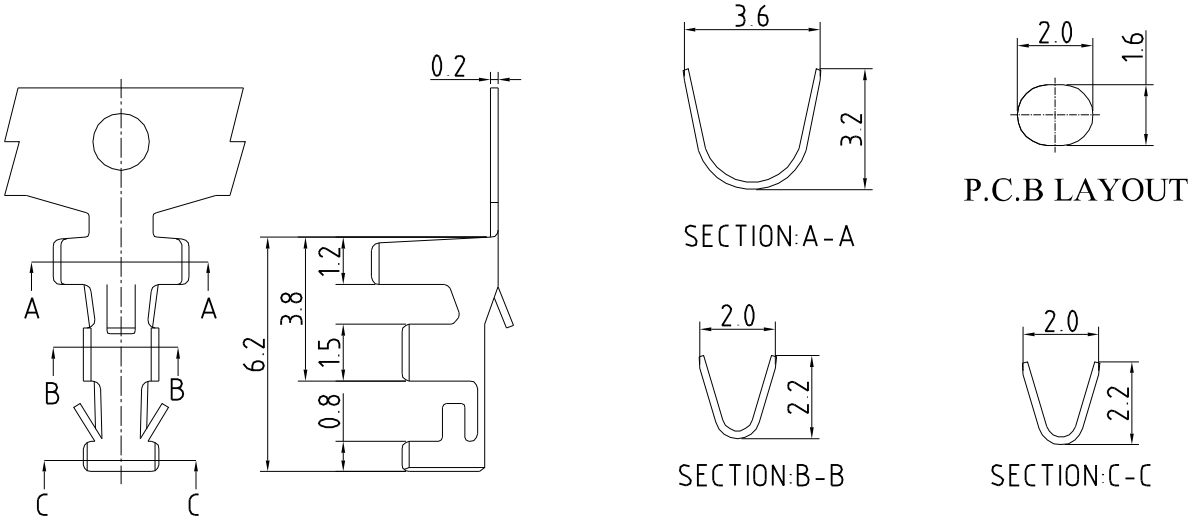
For this product in a different specification please contact TYU for more information

TB1861/2 SERIES

Ø1.8mm Board-in Crimp Style Terminal

Unit : mm

Ø1.8 Crimp Terminal



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TB1862TBO-2*	AWG#18-#22	3.00mm(MAX.)	Brass	See note	4,000 pcs
TB1862TPO-2*			Phosphor bronze		

Note:

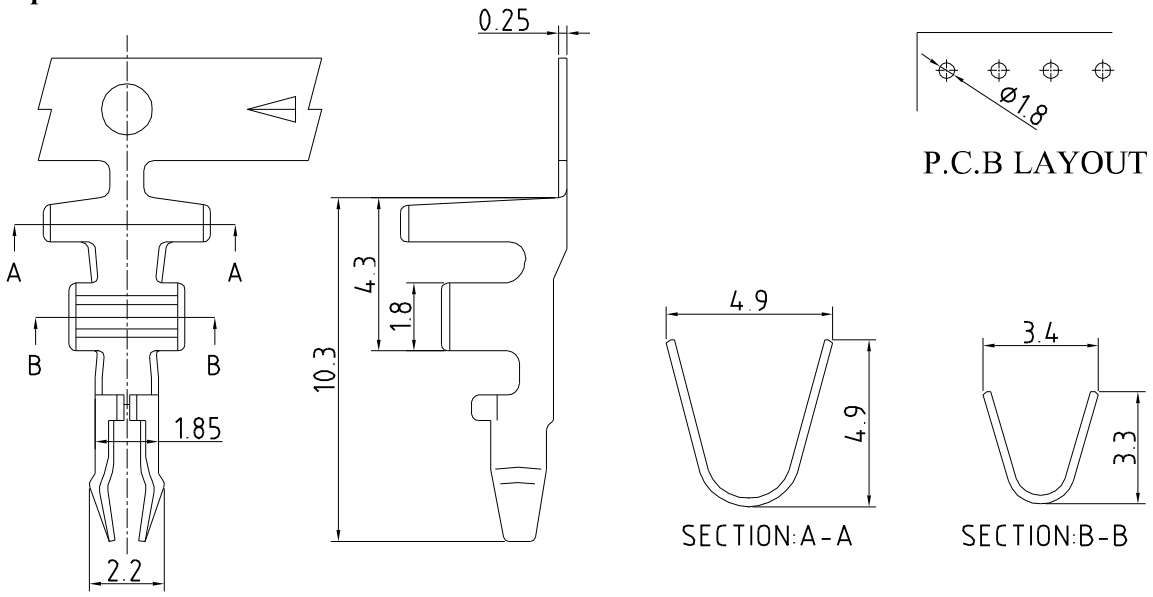
For this product in a different specification please contact TYU for more information

TB1863 SERIES

Ø1.8mm Board-in Crimp Style Terminal

Unit : mm

Ø1.8 Crimp Terminal



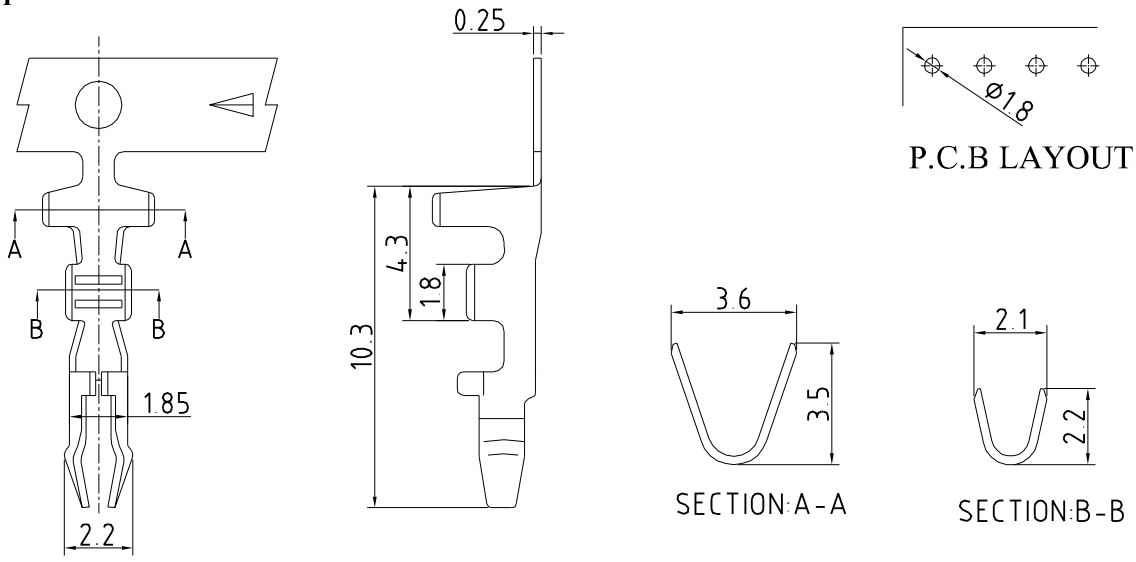
CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TB1863TBH-*	AWG#16-#20	3.00mm(MAX.)	Brass	See note	3,500 pcs
TB1863TPH-*			Phosphor bronze		

Note:

For this product in a different specification please contact TYU for more information

Ø1.8 Crimp Terminal



CONTACT INFORMATION

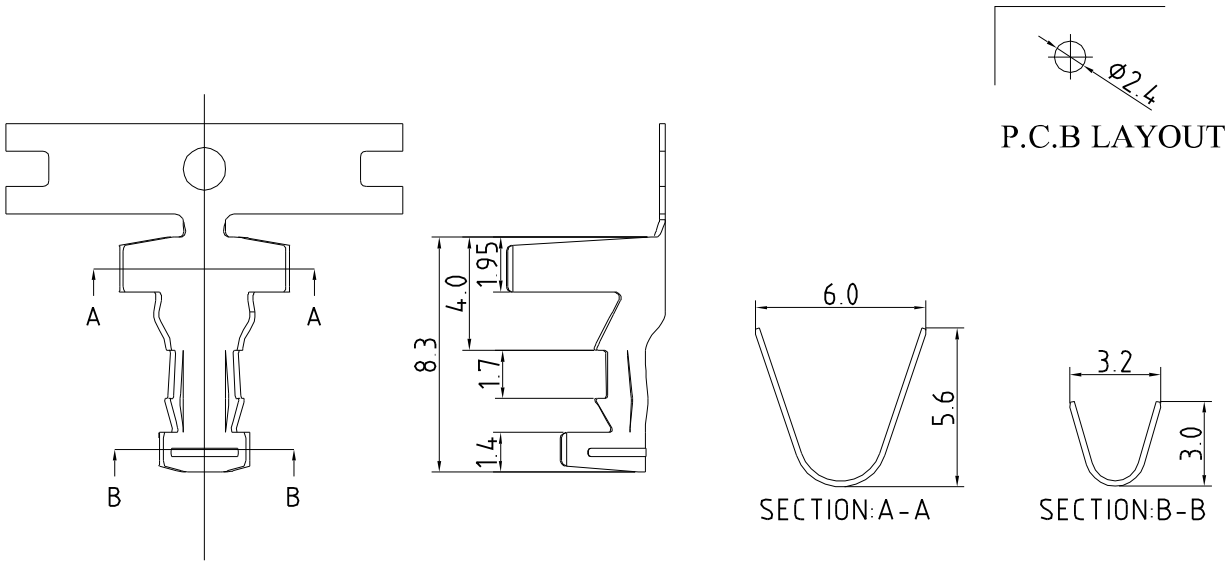
Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TB1863TBL-*	AWG#18-#22	2.50mm(MAX.)	Brass	See note	6,000 pcs
TB1863TPL-*			Phosphor bronze		

TB2405 SERIES

Ø2.4mm Board-in Crimp Style Terminal

Unit : mm

Ø2.4 Crimp Terminal



CONTACT INFORMATION

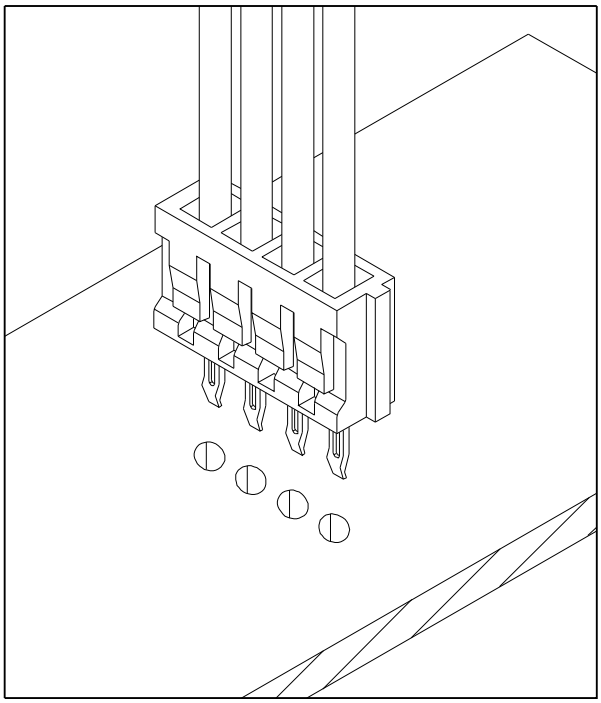
Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TB2405TGH-*	AWG#16-#20	3.00mm(MAX.)	High current	See note	3,500 pcs

Note:

For this product in a different specification please contact TYU for more information

TB1262 SERIES

1.25mm Pitch Board-in Connector

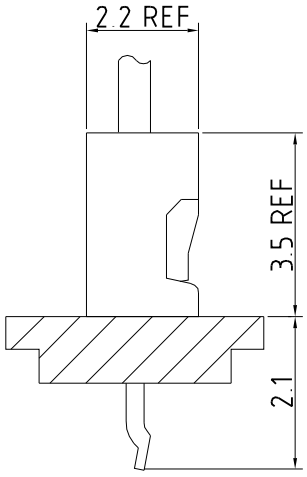


Specification

Circuits	02 - 15
Pitch	1.25mm
Current Rating	1A AC/DC
Voltage Rating	125V AC/DC
Withstand Voltage	500V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #28 - #32
Applicable P.C.B Thickness	0.8mm - 1.6mm
Applicable P.C.B Hole Dia.	Ø0.5mm ± 0.05

Assembly Layout

Vertical Type



TB1262 * - NP
① ② ③

① Part No. TB1262		
② Connection Type: HNO : Terminal Socket		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TB1262 SERIES

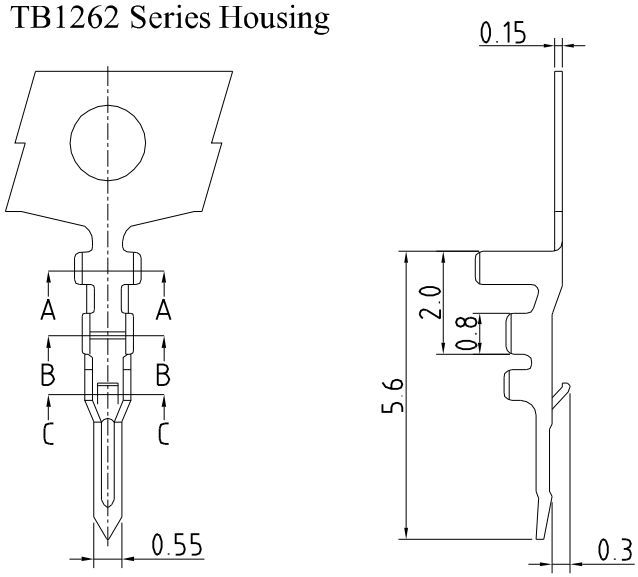
1.25mm Pitch Board-in Connector

Unit : mm

Terminal

Features

Use with: TB1262 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TB1262TPO-*	AWG#28-#32	1.00mm(MAX.)	Phosphor bronze	See note	15,000 pcs

Note:

For this product in a different specification please contact TYU for more information

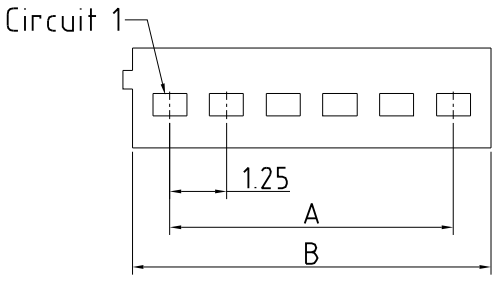
Housing

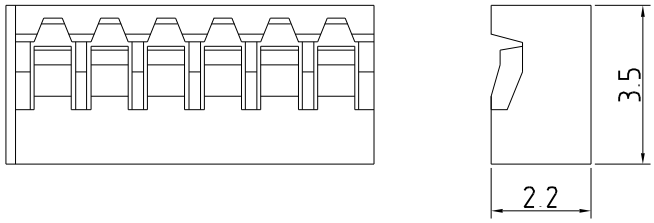
Features

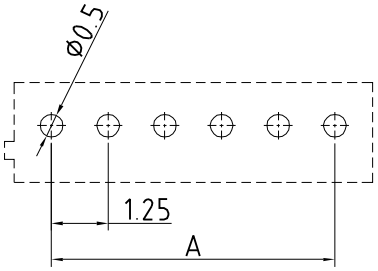
Available Number of Circuits: 02 - 15

Material: Regular Thermoplastic 94V-0

Use with: TB1262 Crimp Terminal







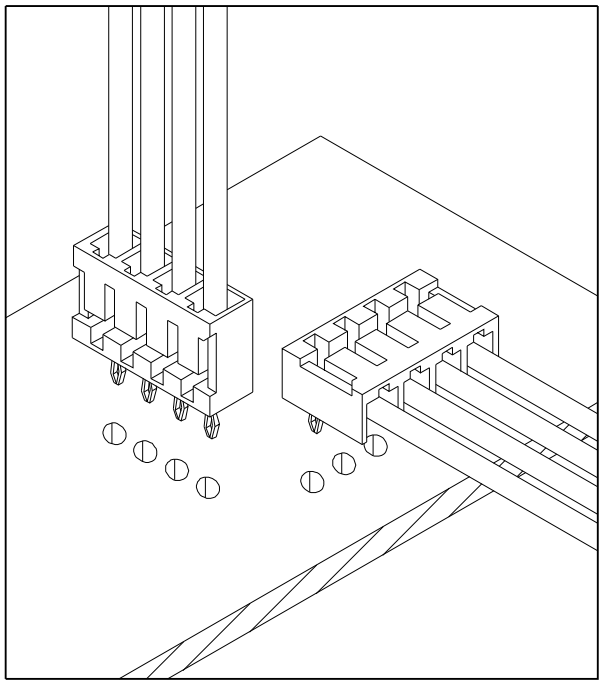
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TB1262HNO-02	1.25	2.90
3	TB1262HNO-03	2.50	4.15
4	TB1262HNO-04	3.75	5.40
5	TB1262HNO-05	5.00	6.65
6	TB1262HNO-06	6.25	7.90
7	TB1262HNO-07	7.50	9.15
8	TB1262HNO-08	8.75	10.40
9	TB1262HNO-09	10.00	11.65
10	TB1262HNO-10	11.25	12.90
11	TB1262HNO-11	12.50	14.15
12	TB1262HNO-12	13.75	15.40
13	TB1262HNO-13	15.00	16.65
14	TB1262HNO-14	16.25	17.90
15	TB1262HNO-15	17.50	19.15

TB1561 SERIES

1.50mm Pitch Board-in Connector

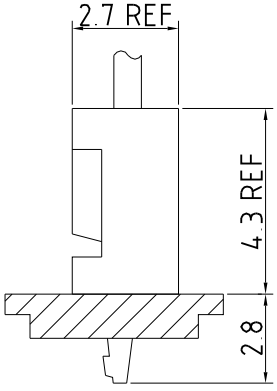


Specification

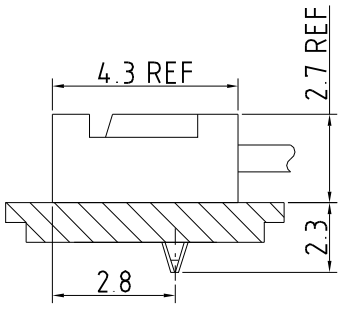
Circuits	02 - 15
Pitch	1.50mm
Current Rating	1A AC/DC
Voltage Rating	50V AC/DC
Withstand Voltage	500V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-25°C - +85°C
Applicable Wire Range	AWG #26 - #30
Applicable P.C.B Thickness	0.8mm - 1.6mm
Applicable P.C.B Hole Dia.	Ø 0.7mm ± 0.05

Assembly Layout

Vertical Type



Right Angle Type



TB1561 ① * ② - NP ③

① Part No. TB1561		
② Connection Type: HNV : Vertical Housing HNR : Right Angle Housing		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TB1561 SERIES

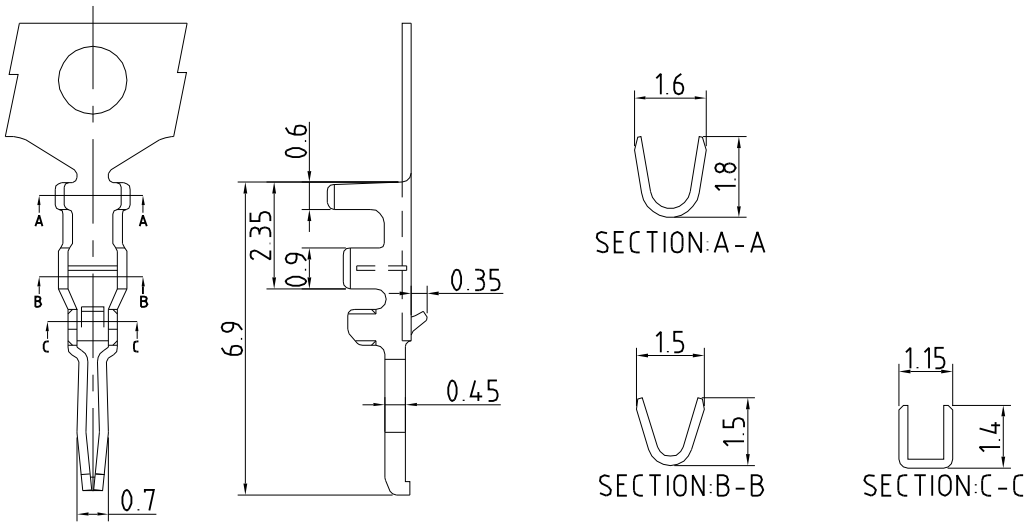
1.50mm Pitch Board-in Connector

Unit : mm

Terminal Vertical

Features

Use with: TB1561 Series Housing Vertical Type



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TB1561TPV-*	AWG#26-#30	1.00mm(MAX.)	Phosphor bronze	See note	15,000 pcs

Note:

For this product in a different specification please contact TYU for more information

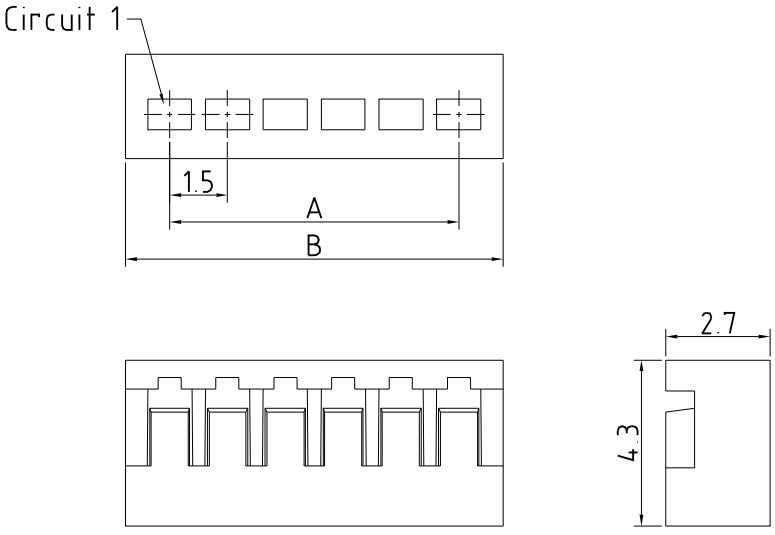
Housing Vertical

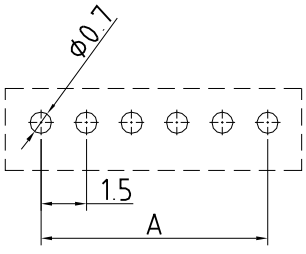
Features

Available Number of Circuits: 02 - 15

Material: Regular Thermoplastic 94V-0

Use with: TB1561 Crimp Terminal Vertical Type





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TB1561HNV-02	1.50	3.80
3	TB1561HNV-03	3.00	5.30
4	TB1561HNV-04	4.50	6.80
5	TB1561HNV-05	6.00	8.30
6	TB1561HNV-06	7.50	9.80
7	TB1561HNV-07	9.00	11.30
8	TB1561HNV-08	10.50	12.80
9	TB1561HNV-09	12.00	14.30
10	TB1561HNV-10	13.50	15.80
11	TB1561HNV-11	15.00	17.30
12	TB1561HNV-12	16.50	18.80
13	TB1561HNV-13	18.00	20.30
14	TB1561HNV-14	19.50	21.80
15	TB1561HNV-15	21.00	23.30

TB1561 SERIES

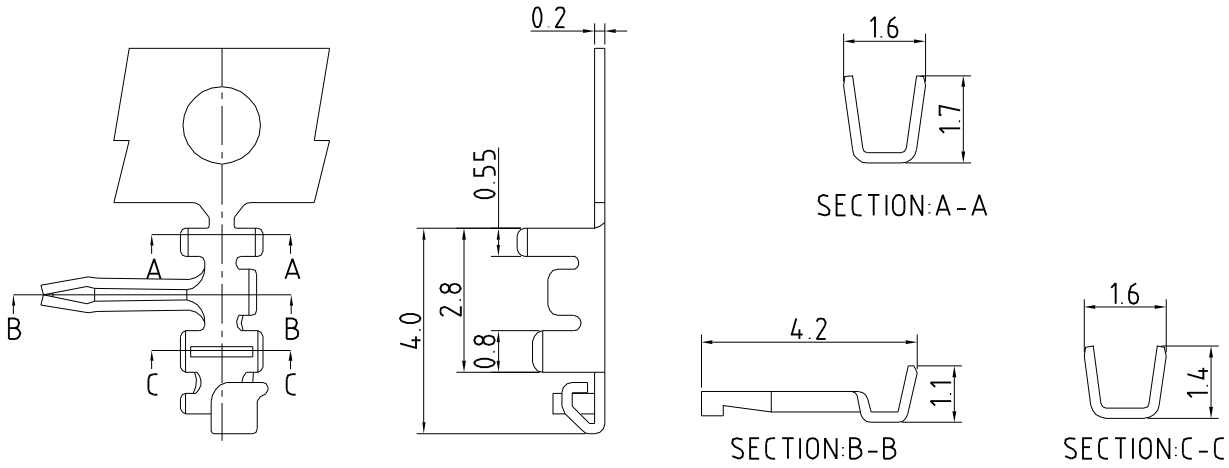
1.50mm Pitch Board-in Connector

Unit : mm

Terminal Right Angle

Features

Use with: TB1561 Series Housing Right Angle Type



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TB1561TPR-*	AWG#26-#30	1.00mm(MAX.)	Phosphor bronze	See note	15,000 pcs

Note:

For this product in a different specification please contact TYU for more information

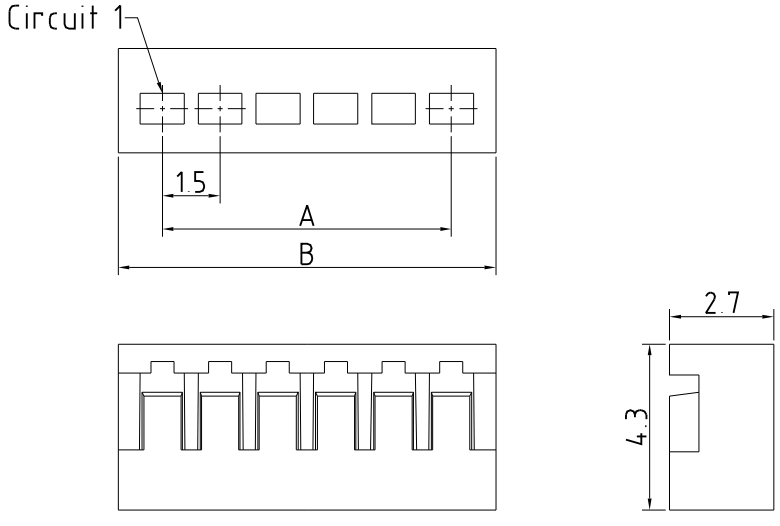
Housing Right Angle

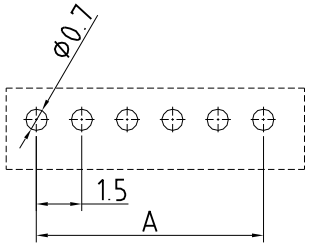
Features

Available Number of Circuits: 02 - 15

Material: Regular Thermoplastic 94V-0

Use with: TB1561 Crimp Terminal Right Angle Type





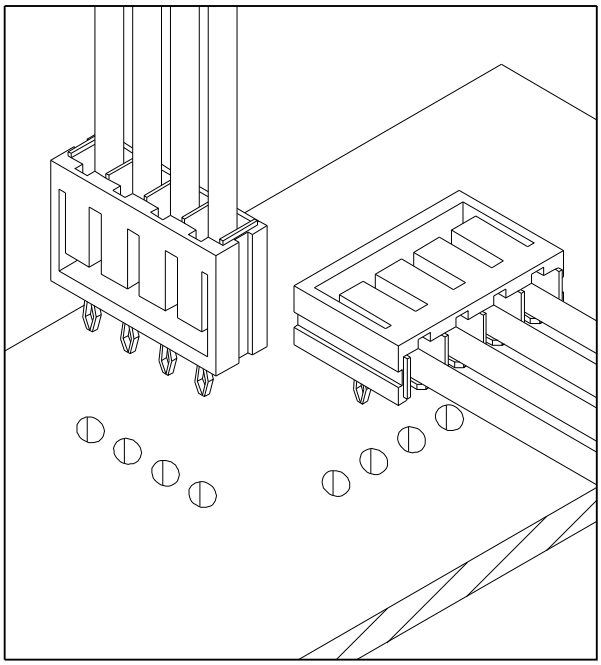
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm) A	DIM.(mm) B
2	TB1561HNR-02	1.50	3.80
3	TB1561HNR-03	3.00	5.30
4	TB1561HNR-04	4.50	6.80
5	TB1561HNR-05	6.00	8.30
6	TB1561HNR-06	7.50	9.80
7	TB1561HNR-07	9.00	11.30
8	TB1561HNR-08	10.50	12.80
9	TB1561HNR-09	12.00	14.30
10	TB1561HNR-10	13.50	15.80
11	TB1561HNR-11	15.00	17.30
12	TB1561HNR-12	16.50	18.80
13	TB1561HNR-13	18.00	20.30
14	TB1561HNR-14	19.50	21.80
15	TB1561HNR-15	21.00	23.30

TB2061 SERIES

2.00mm Pitch Board-in Connector

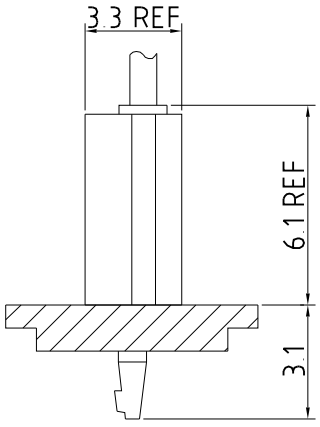


Specification

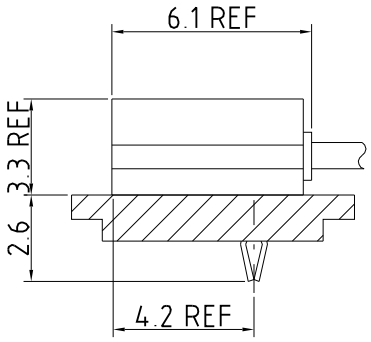
Circuits	02 - 16
Pitch	2.00mm
Current Rating	2A AC/DC
Voltage Rating	250V AC/DC
Withstand Voltage	800V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #24 - #30
Applicable P.C.B Thickness	0.8mm - 1.6mm
Applicable P.C.B Hole Dia.	Ø0.9mm ± 0.05

Assembly Layout

Vertical Type



Right Angle Type



TB2061 ① * - ② NP ③

① Part No. TB2061		
② Connection Type: HNV : Vertical Housing HNR : Right Angle Housing		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TB2061 SERIES

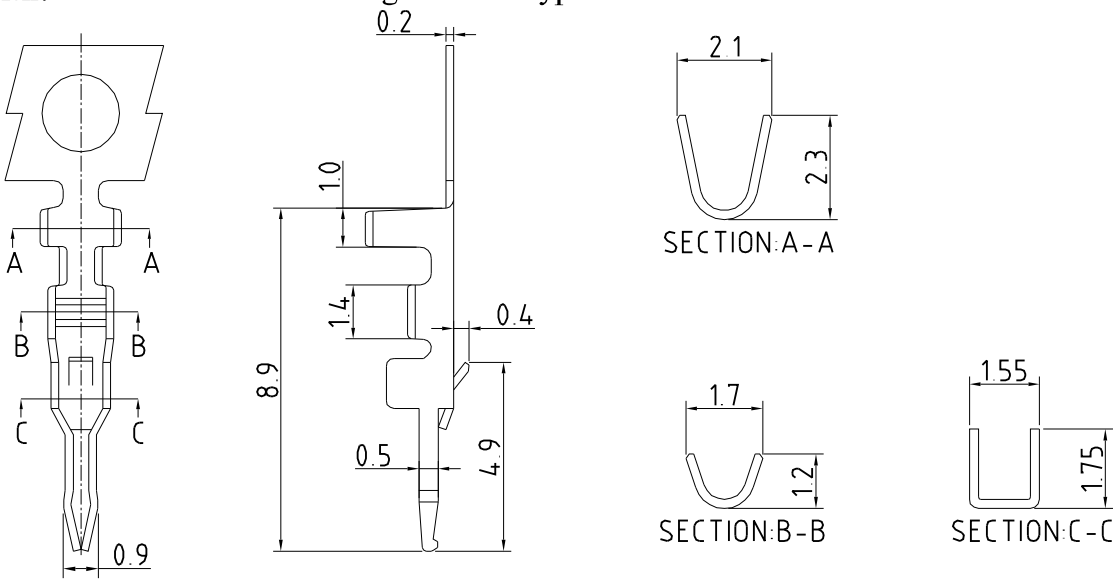
2.00mm Pitch Board-in Connector

Unit : mm

Terminal Vertical

Features

Use with: TB2061 Series Housing Vertical Type



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TB2061TPV-*	AWG#24-#30	1.40mm(MAX.)	Phosphor bronze	See note	10,000 pcs
TB2061TBV-*			Brass		

Note:

For this product in a different specification please contact TYU for more information

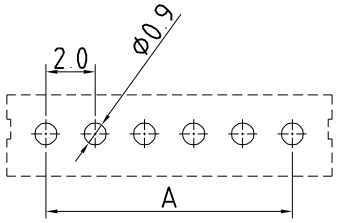
Housing Vertical

Features

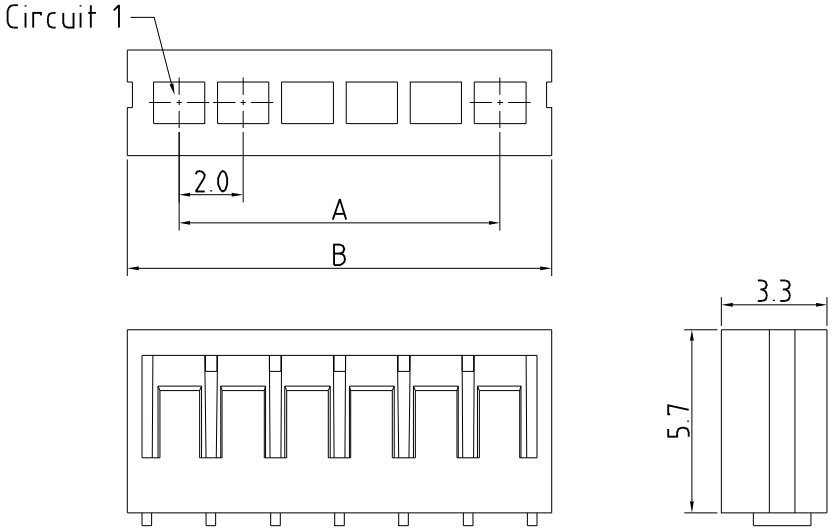
Available Number of Circuits: 02 - 16

Material: Regular Thermoplastic 94V-0

Use with: TB2061 Crimp Terminal Vertical Type



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TB2061HNV-02	2.00	5.20
3	TB2061HNV-03	4.00	7.20
4	TB2061HNV-04	6.00	9.20
5	TB2061HNV-05	8.00	11.20
6	TB2061HNV-06	10.00	13.20
7	TB2061HNV-07	12.00	15.20
8	TB2061HNV-08	14.00	17.20
9	TB2061HNV-09	16.00	19.20
10	TB2061HNV-10	18.00	21.20
11	TB2061HNV-11	20.00	23.20
12	TB2061HNV-12	22.00	25.20
13	TB2061HNV-13	24.00	27.20
14	TB2061HNV-14	26.00	29.20
15	TB2061HNV-15	28.00	31.20
16	TB2061HNV-16	30.00	33.20

TB2061 SERIES

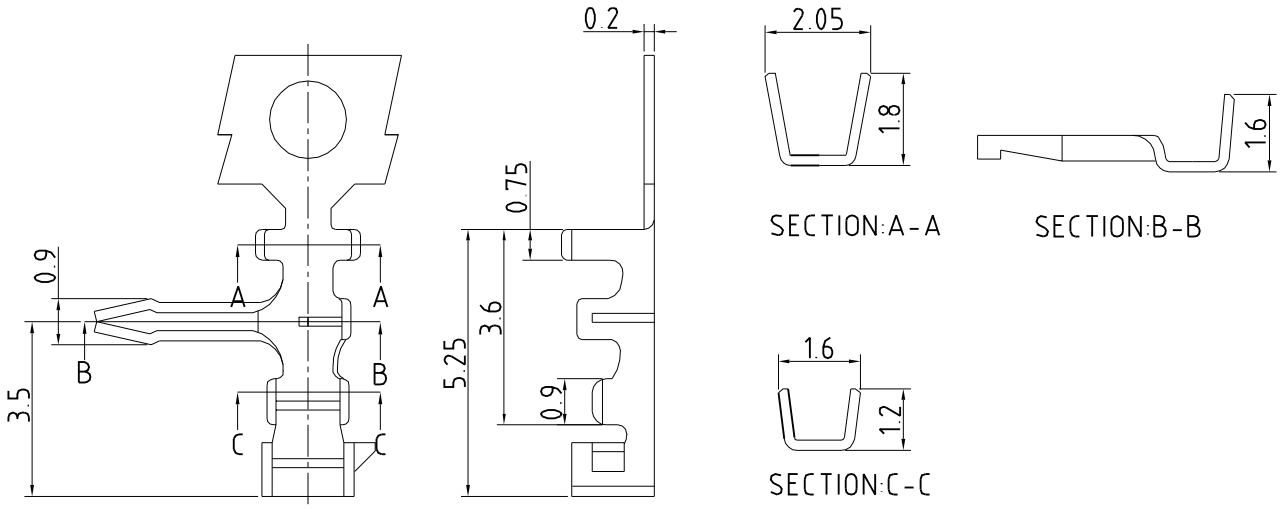
2.00mm Pitch Board-in Connector

Unit : mm

Terminal Right Angle

Features

Use with: TB2061 Series Housing Right Angle Type



CONTACT INFORMATION

Part NO	Wire Range	Insulation O.D.	Material	Finish	Q'ty/reel
TB2061TPR-*	AWG#24-#30	1.40mm(MAX.)	Phosphor bronze	See note	15,000 pcs
TB2061TBR-*			Brass		

Note:

For this product in a different specification please contact TYU for more information

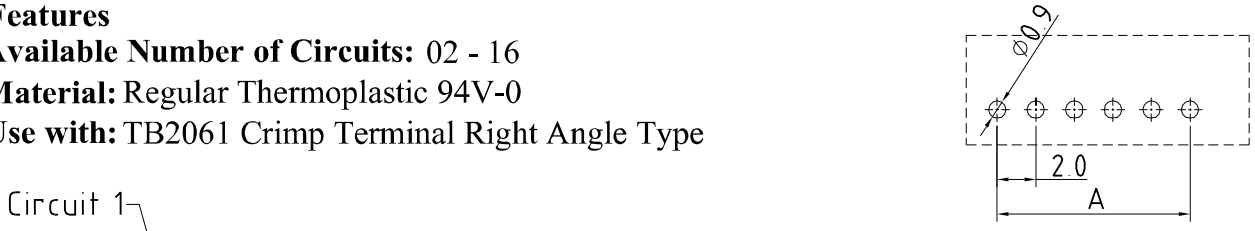
Housing Right Angle

Features

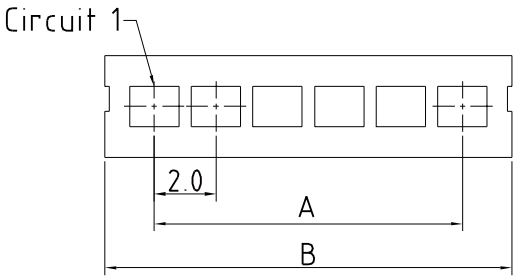
Available Number of Circuits: 02 - 16

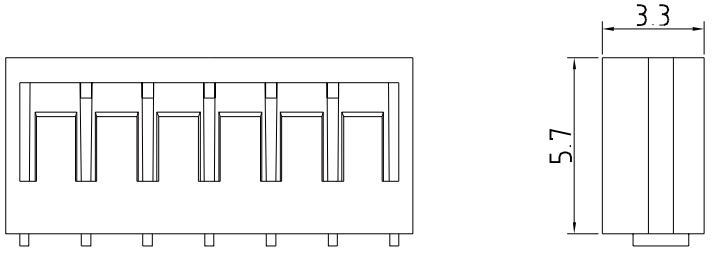
Material: Regular Thermoplastic 94V-0

Use with: TB2061 Crimp Terminal Right Angle Type



P.C.B LAYOUT



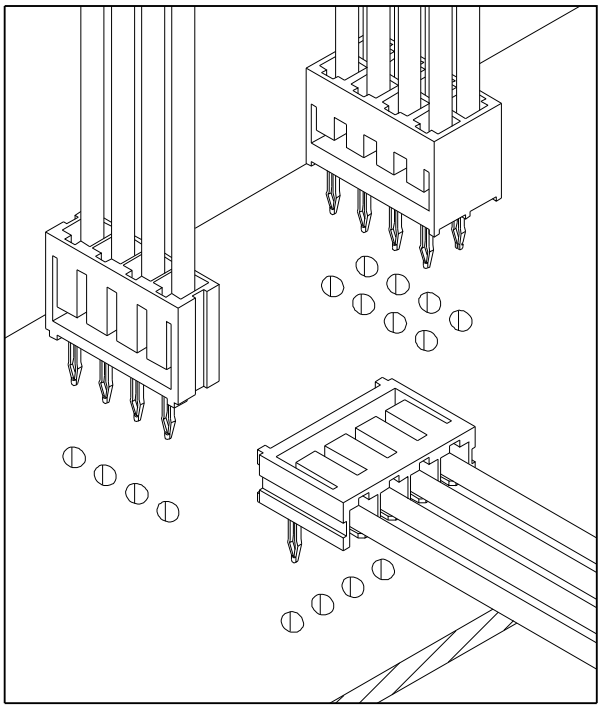


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TB2061HNR-02	2.00	5.20
3	TB2061HNR-03	4.00	7.20
4	TB2061HNR-04	6.00	9.20
5	TB2061HNR-05	8.00	11.20
6	TB2061HNR-06	10.00	13.20
7	TB2061HNR-07	12.00	15.20
8	TB2061HNR-08	14.00	17.20
9	TB2061HNR-09	16.00	19.20
10	TB2061HNR-10	18.00	21.20
11	TB2061HNR-11	20.00	23.20
12	TB2061HNR-12	22.00	25.20
13	TB2061HNR-13	24.00	27.20
14	TB2061HNR-14	26.00	29.20
15	TB2061HNR-15	28.00	31.20
16	TB2061HNR-16	30.00	33.20

TB3061 SERIES

2.50mm Pitch Board-in Connector

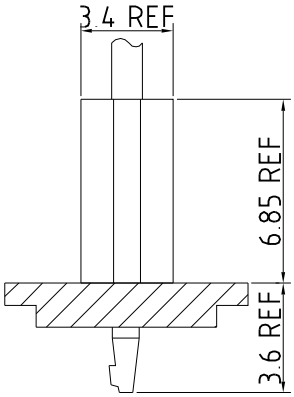


Specification

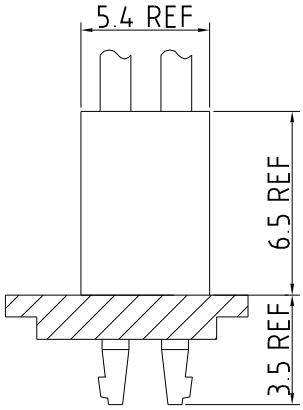
Circuits	02-16 2x02 -2x16
Pitch	2.50mm
Current Rating	3A AC/DC
Voltage Rating	250V AC/DC
Withstand Voltage	800V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #22 - #28
Applicable P.C.B Thickness	0.8mm - 1.6mm
Applicable P.C.B Hole Dia.	Ø1.0mm ± 0.05

Assembly Layout

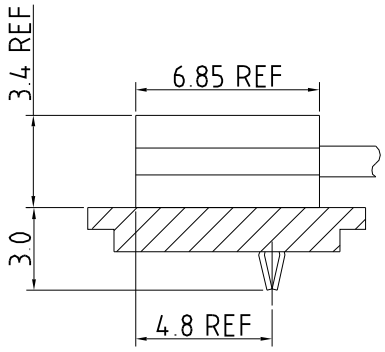
Vertical Type



Vertical Type



Right Angle Type



TB3061 * - NP
① ② ③

① Part No. TB3061		
② Connection Type: HNO : Terminal Socket HNV : Vertical Wafer HNR : Right Angle Wafer		
③ Number of Contacts: NP : Circuits 2xNP : Dual row		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TB3061 SERIES

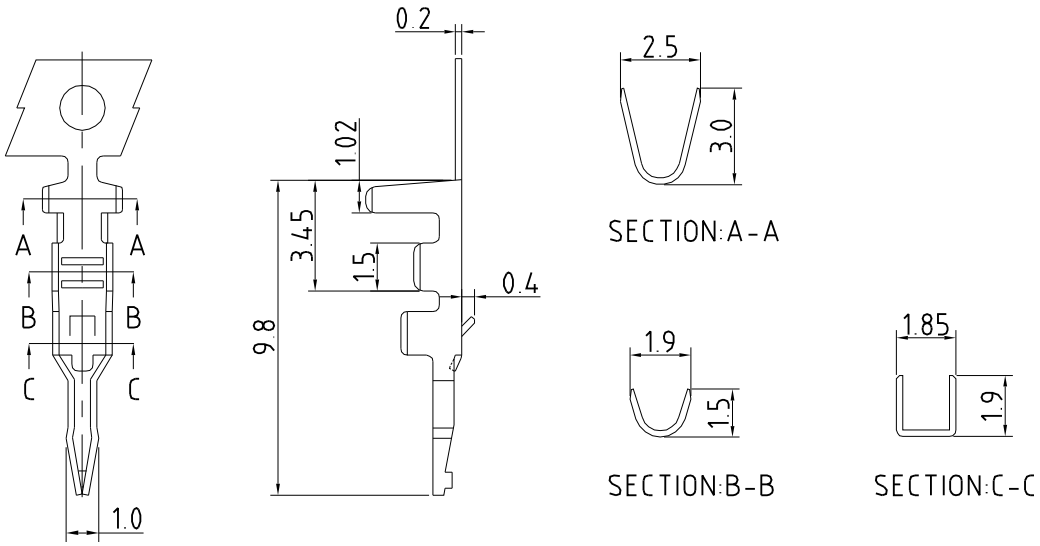
2.50mm Pitch Board-in Connector

Unit : mm

Terminal Vertical

Features

Use with: TB3061 Series Housing Vertical Type



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TB3061TBV-*	AWG#22-#28	1.70mm(MAX.)	Brass	See note	10,000 pcs
TB3061TPV-*			Phosphor bronze		

Note:

For this product in a different specification please contact TYU for more information

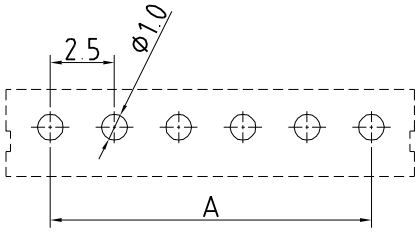
Housing Vertical

Features

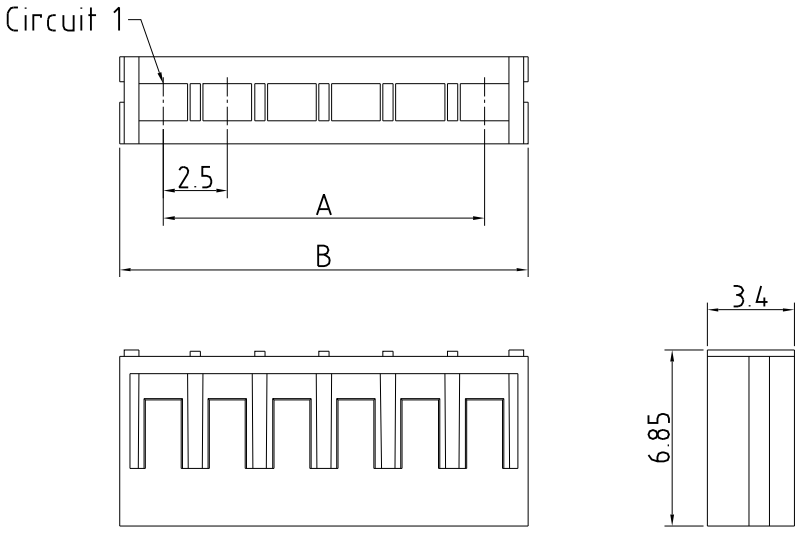
Available Number of Circuits: 02 - 16

Material: Regular Thermoplastic 94V-0

Use with: TB3061 Crimp Terminal Vertical Type



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TB3061HNV-02	2.50	5.90
3	TB3061HNV-03	5.00	8.40
4	TB3061HNV-04	7.50	10.90
5	TB3061HNV-05	10.00	13.40
6	TB3061HNV-06	12.50	15.90
7	TB3061HNV-07	15.00	18.40
8	TB3061HNV-08	17.50	20.90
9	TB3061HNV-09	20.00	23.40
10	TB3061HNV-10	22.50	25.90
11	TB3061HNV-11	25.00	28.40
12	TB3061HNV-12	27.50	30.90
13	TB3061HNV-13	30.00	33.40
14	TB3061HNV-14	32.50	35.90
15	TB3061HNV-15	35.00	38.40
16	TB3061HNV-16	37.50	40.90

TB3061 SERIES

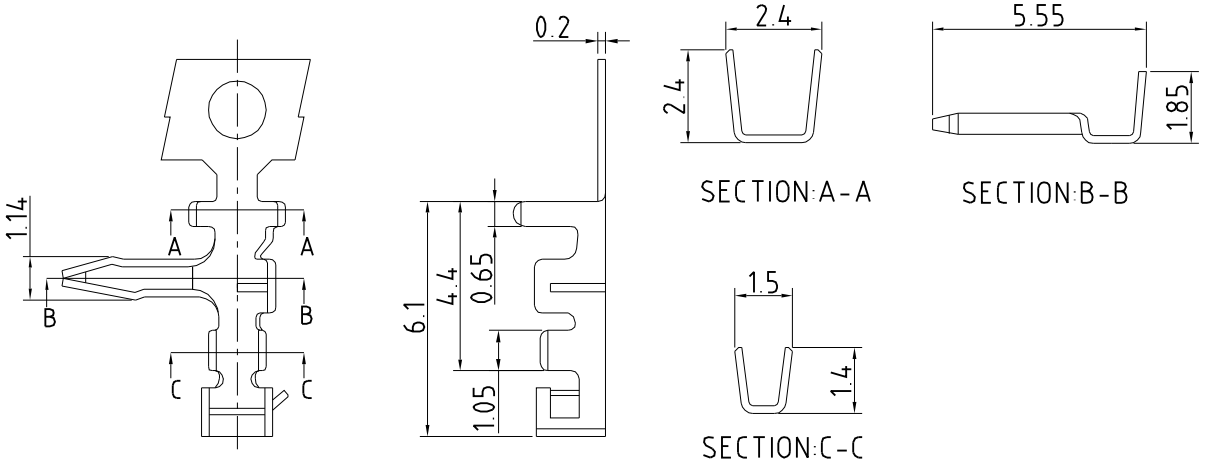
2.50mm Pitch Board-in Connector

Unit : mm

Terminal Right Angle

Features

Use with: TB3061 Series Housing Right Angle Type



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TB3061TBR-*	AWG#22-#28	1.70mm(MAX.)	Brass	See note	10,000 pcs
TB3061TPR-*			Phosphor bronze		

Note:

For this product in a different specification please contact TYU for more information

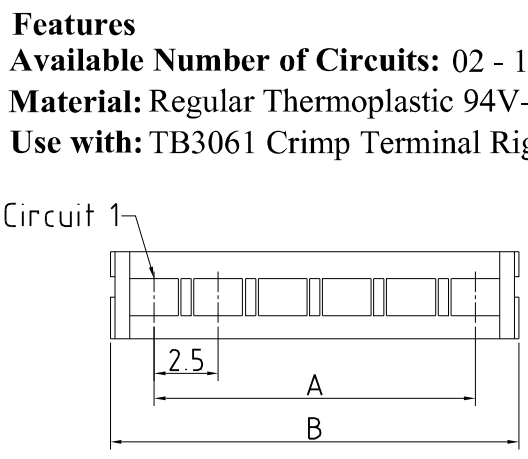
Housing Right Angle

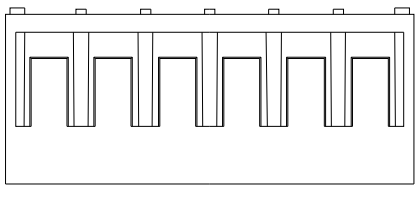
Features

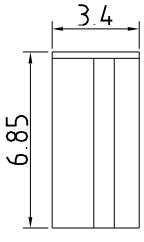
Available Number of Circuits: 02 - 16

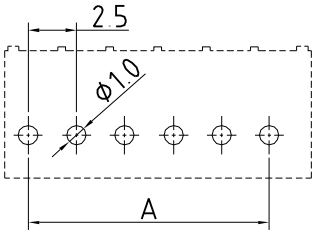
Material: Regular Thermoplastic 94V-0

Use with: TB3061 Crimp Terminal Right Angle Type









P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm) A	DIM.(mm) B
2	TB3061HNR-02	2.50	5.90
3	TB3061HNR-03	5.00	8.40
4	TB3061HNR-04	7.50	10.90
5	TB3061HNR-05	10.00	13.40
6	TB3061HNR-06	12.50	15.90
7	TB3061HNR-07	15.00	18.40
8	TB3061HNR-08	17.50	20.90
9	TB3061HNR-09	20.00	23.40
10	TB3061HNR-10	22.50	25.90
11	TB3061HNR-11	25.00	28.40
12	TB3061HNR-12	27.50	30.90
13	TB3061HNR-13	30.00	33.40
14	TB3061HNR-14	32.50	35.90
15	TB3061HNR-15	35.00	38.40
16	TB3061HNR-16	37.50	40.90

TB3061 SERIES

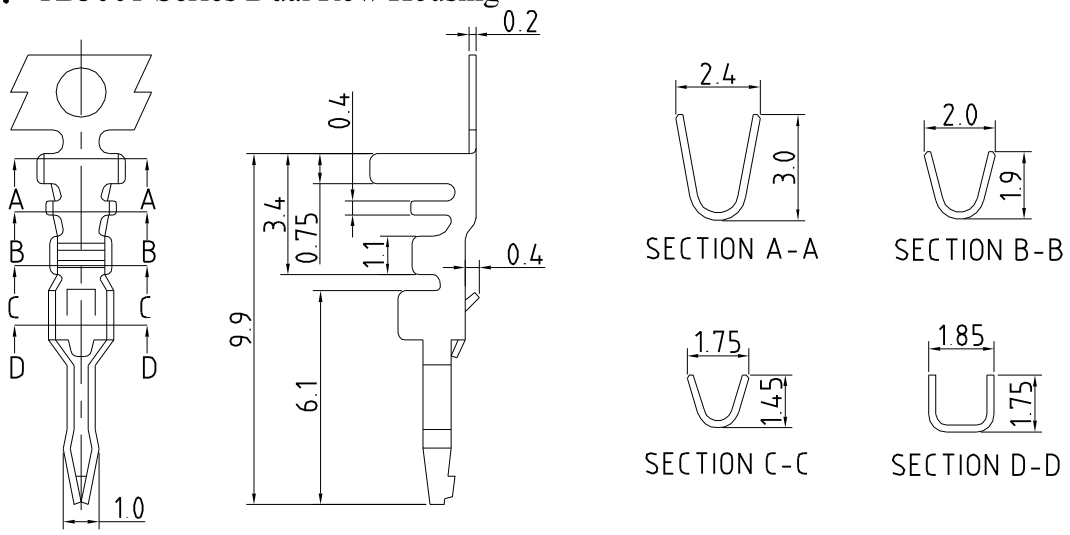
2.50mm Pitch Board-in Connector

Unit : mm

Terminal D-TYPE

Features

Use with: TB3061 Series Dual Row Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TB3061TBV-*D	AWG#22-#28	1.90mm(MAX.)	Brass	See note	10,000 pcs

Note:

For this product in a different specification please contact TYU for more information

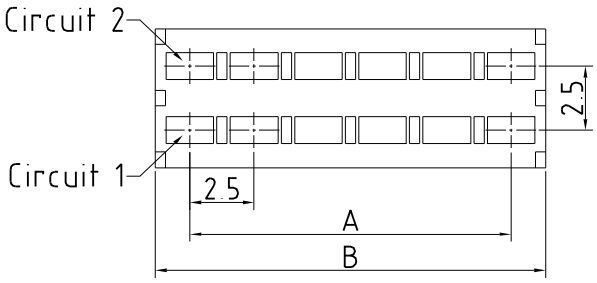
Housing Dual Row

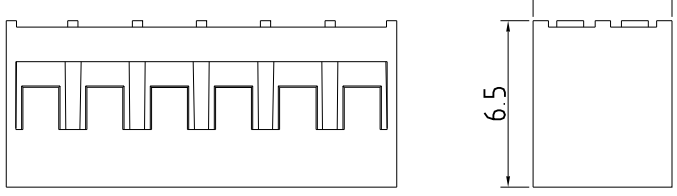
Features

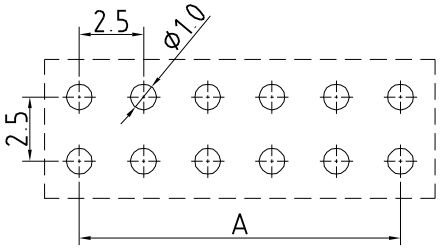
Available Number of Circuits: 2x02 - 2x16

Material: Regular Thermoplastic 94V-0

Use with: TB3061 D-Type Crimp Terminal







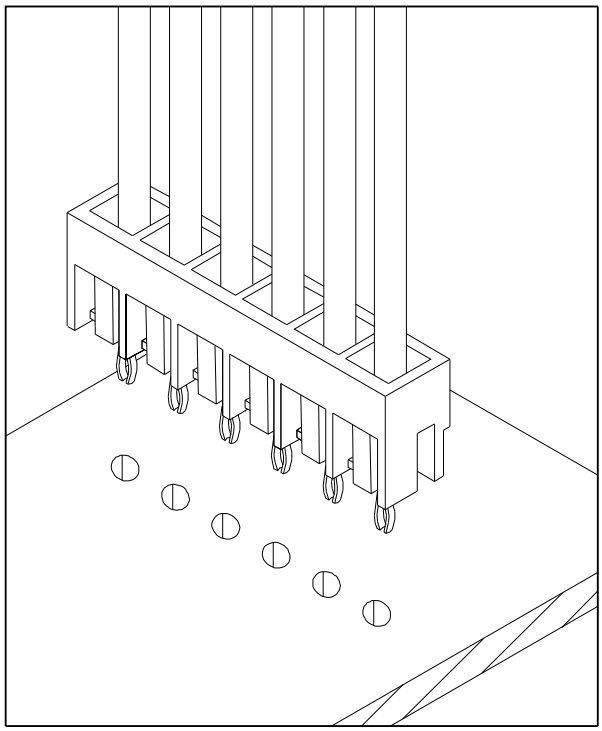
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm) A	DIM.(mm) B
4	TB3061HNO-2x02	2.50	5.20
6	TB3061HNO-2x03	5.00	7.70
8	TB3061HNO-2x04	7.50	10.20
10	TB3061HNO-2x05	10.00	12.70
12	TB3061HNO-2x06	12.50	15.20
14	TB3061HNO-2x07	15.00	17.70
16	TB3061HNO-2x08	17.50	20.20
18	TB3061HNO-2x09	20.00	22.70
20	TB3061HNO-2x10	22.50	25.20
22	TB3061HNO-2x11	25.00	27.70
24	TB3061HNO-2x12	27.50	30.20
26	TB3061HNO-2x13	30.00	32.70
28	TB3061HNO-2x14	32.50	35.20
30	TB3061HNO-2x15	35.00	37.70
32	TB3061HNO-2x16	37.50	40.20

TB6061 SERIES

3.96mm Pitch Board-in Connector

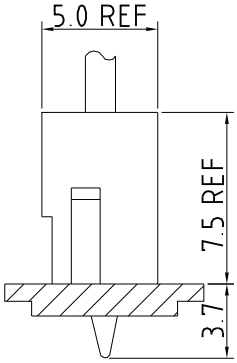


Specification

Circuits	02 - 15
Pitch	3.96mm
Current Rating	7A AC/DC
Voltage Rating	250V AC/DC
Withstand Voltage	800V AC/minute
Insulation Resistance	1,000MΩ MIN.
Temperature Range	-40°C - +105°C
Applicable Wire Range	AWG #16 - #22
Applicable P.C.B Thickness	1.6mm
Applicable P.C.B Hole Dia.	Ø1.8mm ± 0.05

Assembly Layout

Vertical Type



TB6061 * - NP
① ② ③

① Part No. TB6061		
② Connection Type: HNO : Terminal Socket		
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TB6061 SERIES

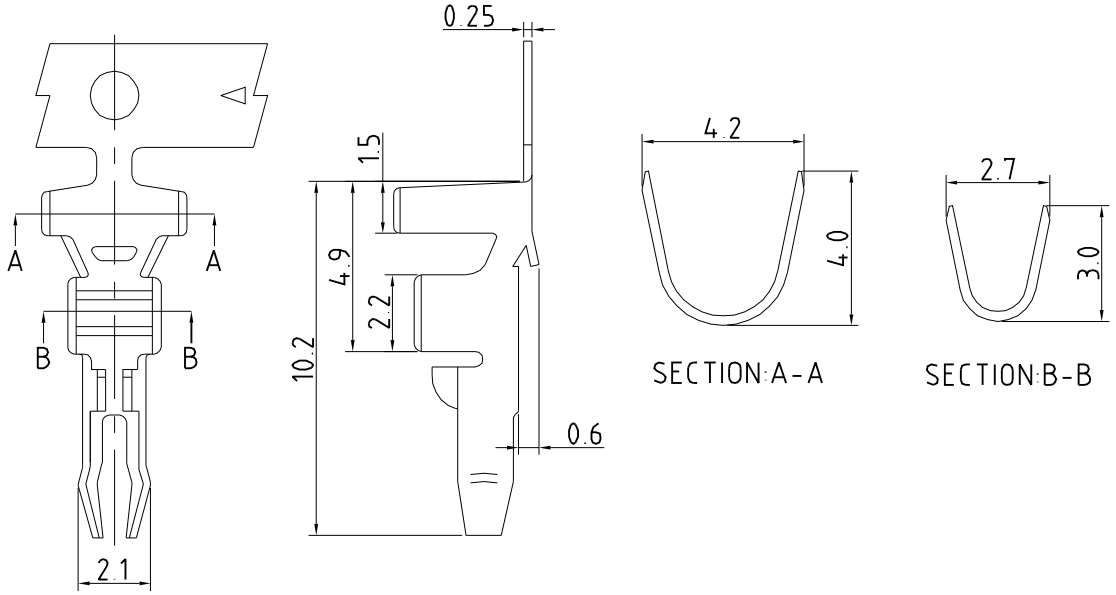
3.96mm Pitch Board-in Connector

Unit : mm

Terminal

Features

Use with: TB6061 Series Housing



CONTACT INFORMATION

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/Reel
TB6061TBO-*	AWG#16-#22	3.10mm(MAX.)	Brass	See note	4,500 pcs

Note:

For this product in a different specification please contact TYU for more information

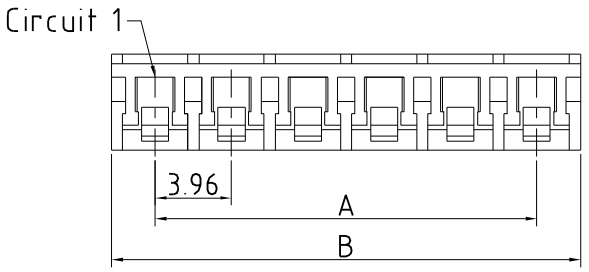
Housing

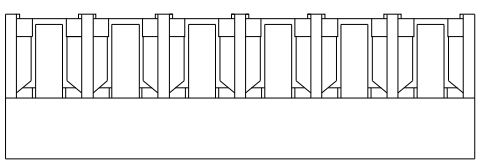
Features

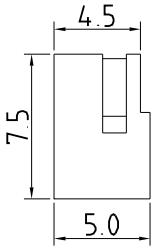
Available Number of Circuits: 02 - 15

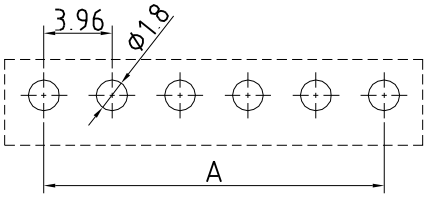
Material: Regular Thermoplastic 94V-0

Use with: TB6061 Crimp Terminal









P.C.B LAYOUT

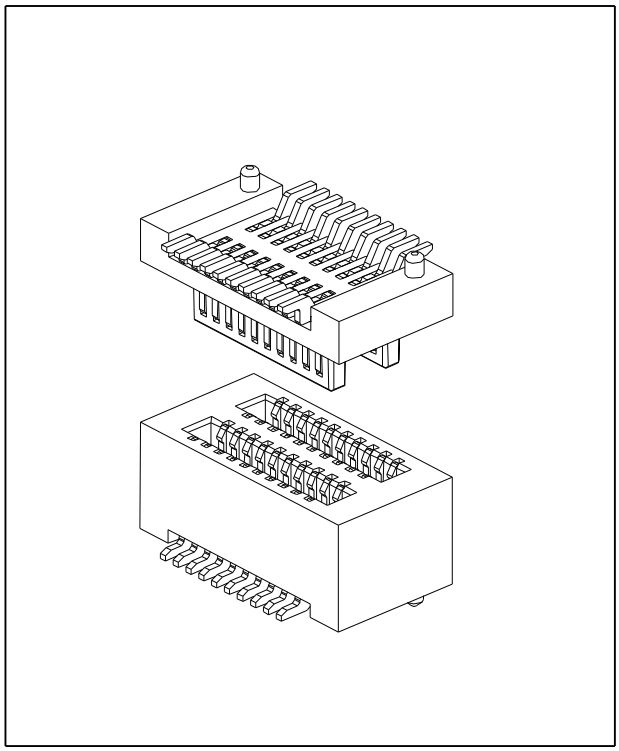
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TB6061HNO-02	3.96	8.50
3	TB6061HNO-03	7.92	12.46
4	TB6061HNO-04	11.88	16.42
5	TB6061HNO-05	15.84	20.38
6	TB6061HNO-06	19.80	24.34
7	TB6061HNO-07	23.76	38.30
8	TB6061HNO-08	27.72	32.26
9	TB6061HNO-09	31.68	36.22
10	TB6061HNO-10	35.64	40.18
11	TB6061HNO-11	39.60	44.14
12	TB6061HNO-12	43.56	48.10
13	TB6061HNO-13	47.52	52.06
14	TB6061HNO-14	51.48	52.06
15	TB6061HNO-15	55.44	59.98

TP0521 SERIES

0.50mm Pitch Board To Board Connector

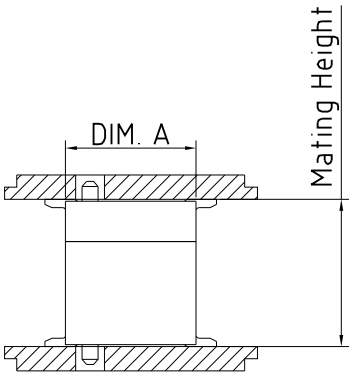
TP0521



Specification

Circuits	2x05 - 2x 60
Pitch	0.50mm
Current Rating	0.5A AC/DC
Voltage Rating	50V AC/DC
Contact Resistance	30mΩ MAX.
Withstand Voltage	100V AC/minute
Insulation Resistance	100MΩ MIN.
Temperature Range	-40°C - +105°C

Assembly Layout



Header	Receptacle	DIM. A	Mating Height
TP0521PV-2*NPSF-*-H240	TP0521RV-2*NPSF-*-H220	4.00mm	3.00mm
TP0521PV-2*NPSFA-*-H240	TP0521RV-2*NPSFA-*-H220	5.20mm	
TP0521PV-2*NPSF-*-H290	TP0521RV-2*NPSF-*-H220	4.00mm	3.50mm
TP0521PV-2*NPSFA-*-H290	TP0521RV-2*NPSFA-*-H220	5.20mm	
TP0521PV-2*NPSF-*-H290	TP0521RV-2*NPSF-*-H270	4.00mm	4.00mm
TP0521PV-2*NPSFA-*-H290	TP0521RV-2*NPSFA-*-H270	5.20mm	
TP0521PV-2*NPSF-*-H290	TP0521RV-2*NPSF-*-H320	4.00mm	4.50mm
TP0521PV-2*NPSFA-*-H290	TP0521RV-2*NPSFA-*-H320	5.20mm	
TP0521PV-2*NPSF-*-H390	TP0521RV-2*NPSF-*-H300	4.00mm	5.00mm
TP0521PV-2*NPSFA-*-H390	TP0521RV-2*NPSFA-*-H300	5.20mm	
TP0521PV-2*NPSF-*-H440	TP0521RV-2*NPSF-*-H300	4.00mm	5.50mm
TP0521PV-2*NPSFA-*-H440	TP0521RV-2*NPSFA-*-H300	5.20mm	
TP0521PV-2*NPSF-*-H440	TP0521RV-2*NPSF-*-H350	4.00mm	6.00mm
TP0521PV-2*NPSFA-*-H440	TP0521RV-2*NPSFA-*-H350	5.20mm	

TP0521 * - NP * - *
① ② ③ ④ ⑤

① Part No. TP0521

② Connection Type:
RV : Receptacle
PV : Header

③ Number of Contacts:
NP : Circuits

④ Mount Type
SF : SMT Type Wafer With Post
SFA: SMT A Type Wafer With Post

⑤ Contact Plating Code
GO : Gold-flash over Nickel

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TP0521 SERIES

0.50mm Pitch Board To Board Connector

Unit : mm

Housing

Header - Type

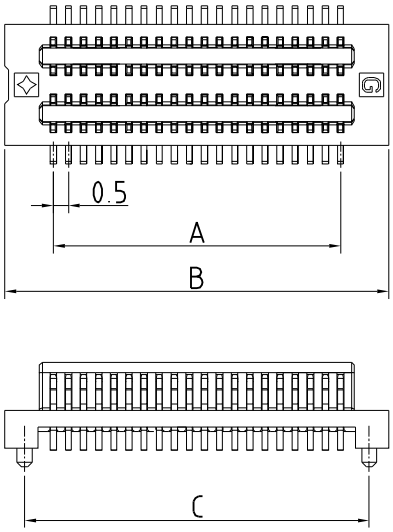
Features

Available Number of Circuits : 2x05 - 2x60

Material : High Temperature Thermoplastic 94V-0

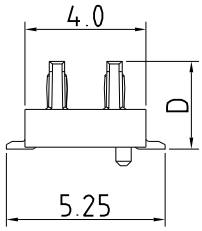
Contact : 0.2mm(.008") Copper Alloy , Gold-plated

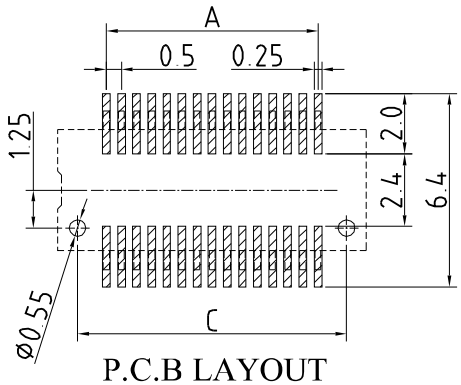
Mates with : TP0521 Series Dual Row Receptacle -Type



TP0521PV-2*NPSF-*-*

H240--DIM. D: 2.40mm
H290--DIM. D: 2.90mm
H390--DIM. D: 3.90mm
H440--DIM. D: 4.40mm





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
10	TP0521PV-2*05SF-*	2.00	5.20	3.90
12	TP0521PV-2*06SF-*	2.50	5.70	4.40
14	TP0521PV-2*07SF-*	3.00	6.20	4.90
≀	≀	≀	≀	≀
46	TP0521PV-2*23SF-*	11.00	14.20	12.90
48	TP0521PV-2*24SF-*	11.50	14.70	13.40
50	TP0521PV-2*25SF-*	12.00	15.20	13.90
60	TP0521PV-2*30SF-*	14.50	17.70	16.40
70	TP0521PV-2*35SF-*	17.00	20.20	18.90
80	TP0521PV-2*50SF-*	19.50	22.70	21.40
90	TP0521PV-2*45SF-*	22.00	25.20	23.90
100	TP0521PV-2*50SF-*	24.50	27.70	26.40
120	TP0521PV-2*60SF-*	29.50	32.70	31.40

Wafer

Receptacle - Type

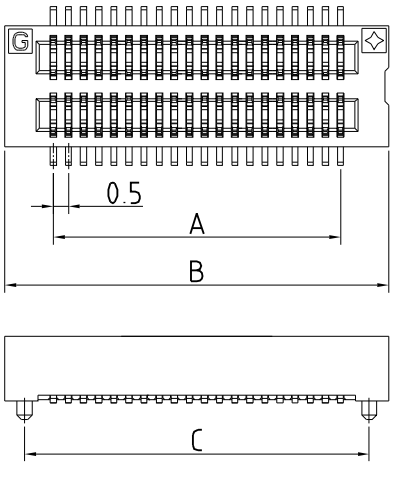
Features

Available Number of Circuits : 2x05 - 2x60

Material : High Temperature Thermoplastic 94V-0

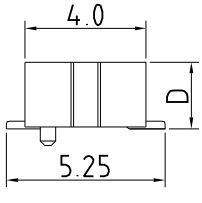
Contact : 0.2mm(.008") Copper Alloy , Gold-plated

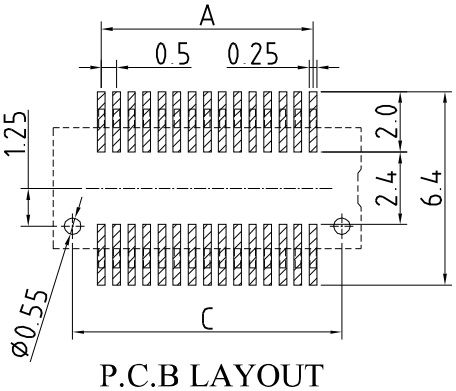
Mates with : TP0521 Series Dual Row Header-Type



TP0521RV-2*NPSF-*-*

H220--DIM. D: 2.20mm
H270--DIM. D: 2.70mm
H300--DIM. D: 3.00mm
H320--DIM. D: 3.20mm
H350--DIM. D: 3.50mm





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
10	TP0521RV-2*05SF-*	2.00	5.20	3.90
12	TP0521RV-2*06SF-*	2.50	5.70	4.40
14	TP0521RV-2*07SF-*	3.00	6.20	4.90
≀	≀	≀	≀	≀
46	TP0521RV-2*23SF-*	11.00	14.20	12.90
48	TP0521RV-2*24SF-*	11.50	14.70	13.40
50	TP0521RV-2*25SF-*	12.00	15.20	13.90
60	TP0521RV-2*30SF-*	14.50	17.70	16.40
70	TP0521RV-2*35SF-*	17.00	20.20	18.90
80	TP0521RV-2*50SF-*	19.50	22.70	21.40
90	TP0521RV-2*45SF-*	22.00	25.20	23.90
100	TP0521RV-2*50SF-*	24.50	27.70	26.40
120	TP0521RV-2*60SF-*	29.50	32.70	31.40

TP0521 SERIES

0.50mm Pitch Board To Board Connector

Unit : mm

Housing

Header A Type

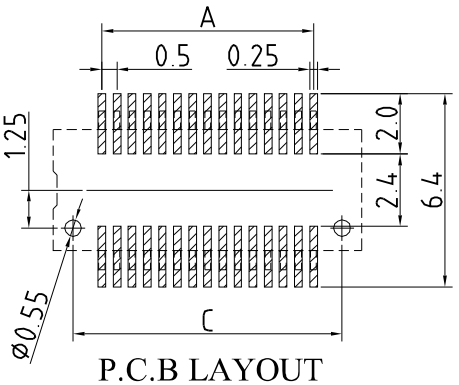
Features

Available Number of Circuits : 2x05 - 2x60

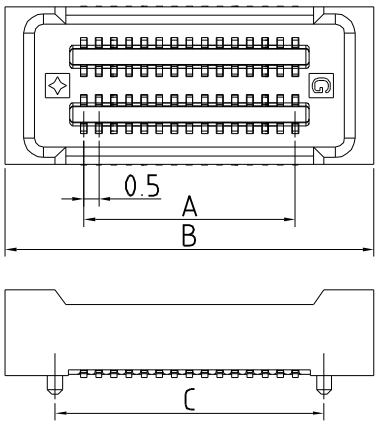
Material : High Temperature Thermoplastic 94V-0

Contact : 0.2mm(.008") Copper Alloy , Gold-plated

Mates with : TP0521 Series Dual Row Receptacle - Type

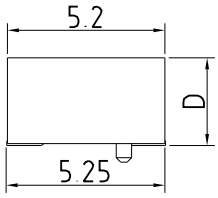


P.C.B LAYOUT



TP0521PV-2*NPSFA-*-*

H240--DIM. D: 2.40mm
H290--DIM. D: 2.90mm
H390--DIM. D: 3.90mm
H440--DIM. D: 4.40mm



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
10	TP0521PV-2*05SFA-*	2.00	5.20	3.90
12	TP0521PV-2*06SFA-*	2.50	5.70	4.40
14	TP0521PV-2*07SFA-*	3.00	6.20	4.90
≀	≀	≀	≀	≀
46	TP0521PV-2*23SFA-*	11.00	14.20	12.90
48	TP0521PV-2*24SFA-*	11.50	14.70	13.40
50	TP0521PV-2*25SFA-*	12.00	15.20	13.90
60	TP0521PV-2*30SFA-*	14.50	17.70	16.40
70	TP0521PV-2*35SFA-*	17.00	20.20	18.90
80	TP0521PV-2*50SFA-*	19.50	22.70	21.40
90	TP0521PV-2*45SFA-*	22.00	25.20	23.90
100	TP0521PV-2*50SFA-*	24.50	27.70	26.40
120	TP0521PV-2*60SFA-*	29.50	32.70	31.40

Wafer

Receptacle A Type

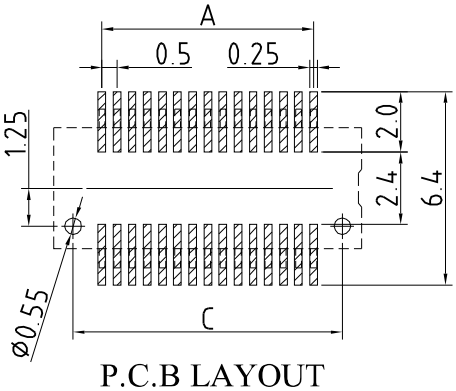
Features

Available Number of Circuits : 2x05 - 2x60

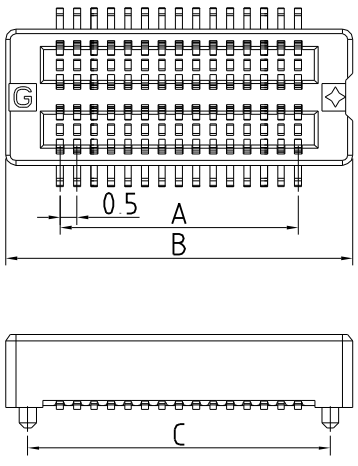
Material : High Temperature Thermoplastic 94V-0

Contact : 0.2mm(.008") Copper Alloy , Gold-plated

Mates with : TP0521 Series Dual Row Header - Type

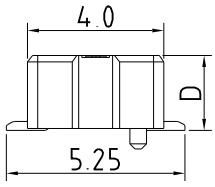


P.C.B LAYOUT



TP0521RV-2*NPSFA-*-*

H220--DIM. D: 2.20mm
H270--DIM. D: 2.70mm
H300--DIM. D: 3.00mm
H320--DIM. D: 3.20mm
H350--DIM. D: 3.50mm

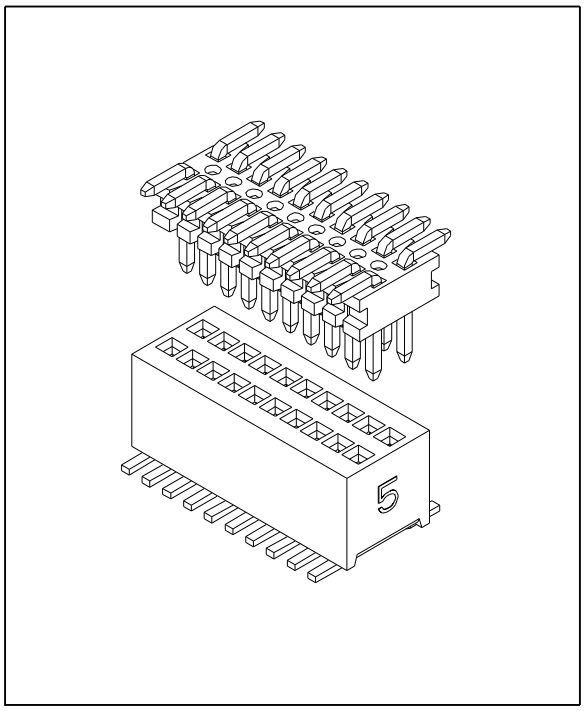


Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
10	TP0521RV-2*05SFA-*	2.00	5.20	3.90
12	TP0521RV-2*06SFA-*	2.50	5.70	4.40
14	TP0521RV-2*07SFA-*	3.00	6.20	4.90
≀	≀	≀	≀	≀
46	TP0521RV-2*23SFA-*	11.00	14.20	12.90
48	TP0521RV-2*24SFA-*	11.50	14.70	13.40
50	TP0521RV-2*25SFA-*	12.00	15.20	13.90
60	TP0521RV-2*30SFA-*	14.50	17.70	16.40
70	TP0521RV-2*35SFA-*	17.00	20.20	18.90
80	TP0521RV-2*50SFA-*	19.50	22.70	21.40
90	TP0521RV-2*45SFA-*	22.00	25.20	23.90
100	TP0521RV-2*50SFA-*	24.50	27.70	26.40
120	TP0521RV-2*60SFA-*	29.50	32.70	31.40

TP0801 SERIES

0.80mm Pitch Board To Board Connector

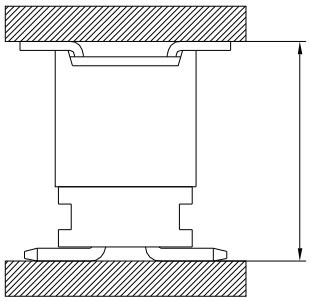


Specification

Circuits	2x02-2x50
Pitch	0.80mm
Current Rating	0.75A AC/DC
Voltage Rating	100V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	1000MΩ MIN.
Temperature Range	-40°C - +85°C

Assembly Layout

Vertical SMT Type
Dual Row



TP0801 *-*x NP**-***

① ② ③ ④ ⑤ ⑥

① Part No. TP0801	④ Mount Type Packing code serial number 1,2,3...0 Type A,B...Z Type	⑥ Contact Plating Code 0: Gold flash plated
② Connection Type: PVP : Vertical Header-Type RVP : Vertical Receptacle-Type	⑤ High plastic Type 0 : 1.38mm 2 : 3.1mm	
③ Number of Contacts: 2xNP : Dual row		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TP0801 SERIES

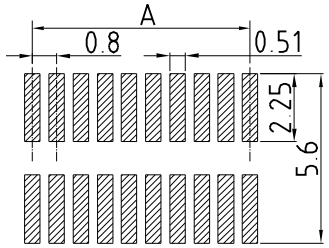
0.80mm Pitch Board To Board Connector

Unit : mm

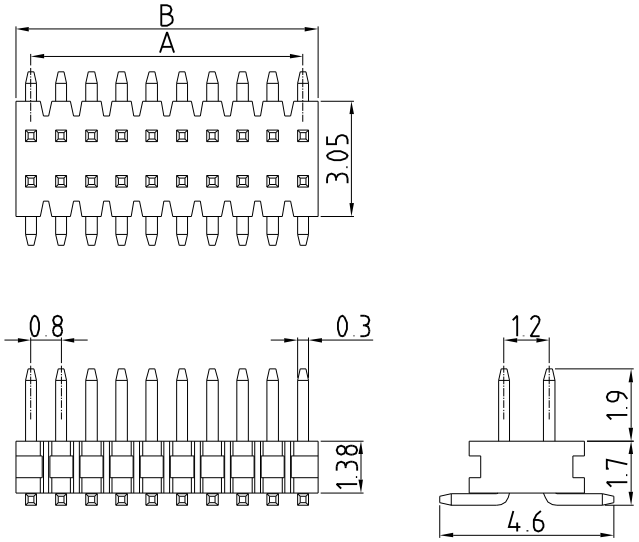
Wafer Header-Type

Features

Available Number of Circuits: 2x02 - 2x50
Material: High-Temperature Thermoplastic, UL94-V0
Contact: 0.3mm(.012") Copper Alloy, Gold plated
Mates with : TP0801 Series Dual Row Receptacle-Type



P.C.B LAYOUT



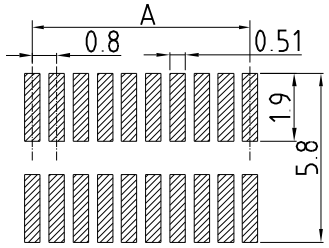
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TP0801PVP-2x02H0-*01	0.80	1.60
6	TP0801PVP-2x03H0-*01	1.60	2.40
8	TP0801PVP-2x04H0-*01	2.40	3.20
10	TP0801PVP-2x05H0-*01	3.20	4.00
12	TP0801PVP-2x06H0-*01	4.00	4.80
14	TP0801PVP-2x07H0-*01	4.80	5.60
16	TP0801PVP-2x08H0-*01	5.60	6.40
18	TP0801PVP-2x09H0-*01	6.40	7.20
20	TP0801PVP-2x10H0-*01	7.20	8.00
22	TP0801PVP-2x11H0-*01	8.00	8.80
24	TP0801PVP-2x12H0-*01	8.80	9.60
26	TP0801PVP-2x13H0-*01	9.60	10.40
28	TP0801PVP-2x14H0-*01	10.40	11.20
≀			
98	TP0801PVP-2x49H0-*01	38.40	39.20
100	TP0801PVP-2x50H0-*01	39.20	40.00

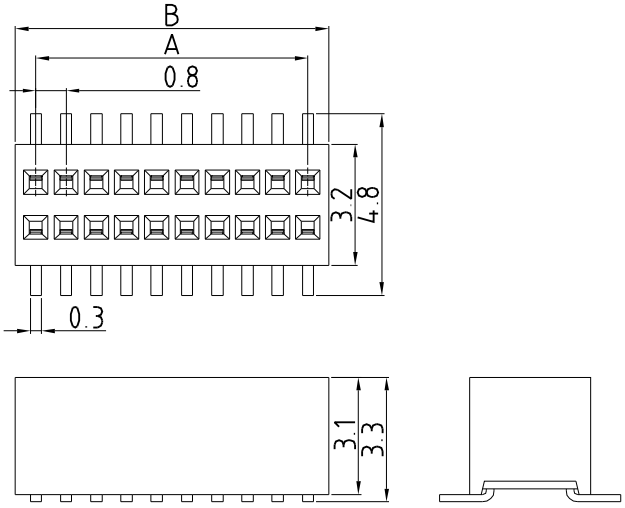
Wafer Receptacle-Type

Features

Available Number of Circuits: 2x02 - 2x50
Material: High-Temperature Thermoplastic, UL94-V0
Contact: 0.2mm(.008") Copper Alloy, Gold plated
Mates with : TP0801 Series Dual Row Header TYPE



P.C.B LAYOUT

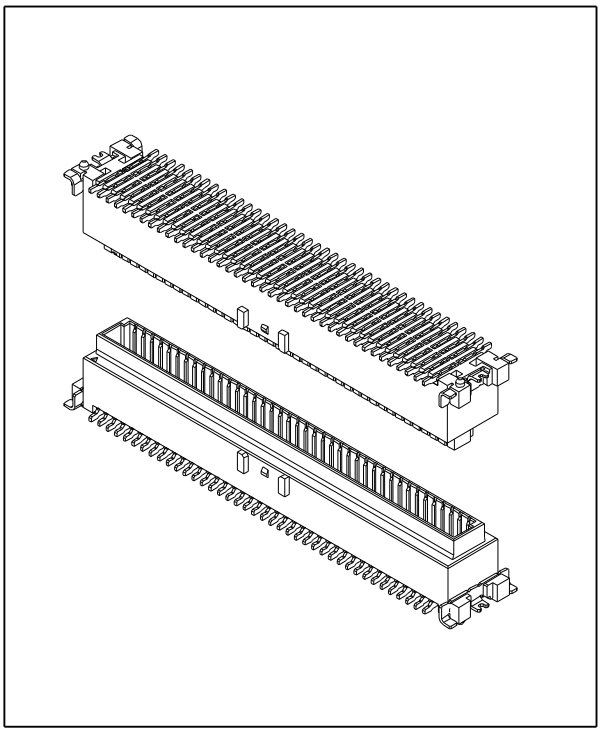


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TP0801RVP-2x0261-*00	0.80	1.90
6	TP0801RVP-2x0361-*00	1.60	2.70
8	TP0801RVP-2x0461-*00	2.40	3.50
10	TP0801RVP-2x0561-*00	3.20	4.30
12	TP0801RVP-2x0661-*00	4.00	5.10
14	TP0801RVP-2x0761-*00	4.80	5.90
16	TP0801RVP-2x0861-*00	5.60	6.70
18	TP0801RVP-2x0961-*00	6.40	7.50
20	TP0801RVP-2x1061-*00	7.20	8.30
22	TP0801RVP-2x1161-*00	8.00	9.10
24	TP0801RVP-2x1261-*00	8.80	9.90
26	TP0801RVP-2x1361-*00	9.60	10.70
28	TP0801RVP-2x1461-*00	10.40	11.50
≀			
98	TP0801RVP-2x4961-*00	38.40	39.50
100	TP0801RVP-2x5061-*00	39.20	40.30

TP0803 SERIES

0.80mm Pitch Board To Board Connector

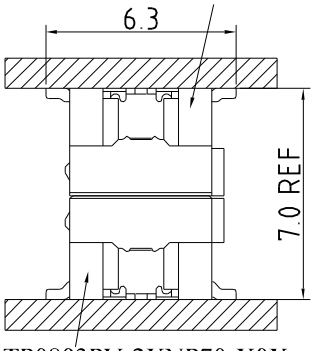


Specification

Circuits	2x05-2x50
Pitch	0.80mm
Current Rating	0.5A AC/DC
Voltage Rating	100V AC/DC
Contact Resistance	40mΩ MAX.
Withstand Voltage	250V AC/minute
Insulation Resistance	1000MΩ MIN.
Temperature Range	-55°C - +105°C

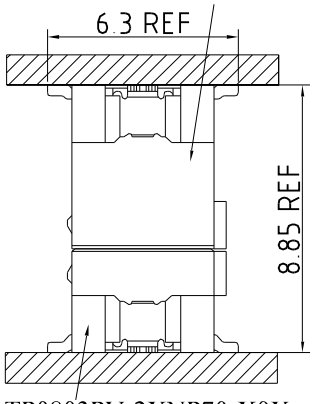
Assembly Layout

TP0803RV-2XNP70-X1X



TP0803PV-2XNP70-X0X

TP0803RV-2XNP70-X0X



TP0803PV-2XNP70-X0X

TU0803 ① * - ② * x NP ③ 7 0 - ④ ⑤ ⑥ * * *

① Part No. TP0803	④ Contact Plating Code A: Matte-Tin over Nickel 0 : Gold-flash over Nickel	⑥ Product Color 1 : Black
② Connection Type: RV : Receptacle PV : Header	⑤ Mount Type 0 : Height 6.35mm 1 : Height 4.35mm	
③ Number of Contacts: 2xNP : Dual Row		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TP0803 SERIES

0.80mm Pitch Board To Board Connector

Wafer Header-Type

Unit : mm

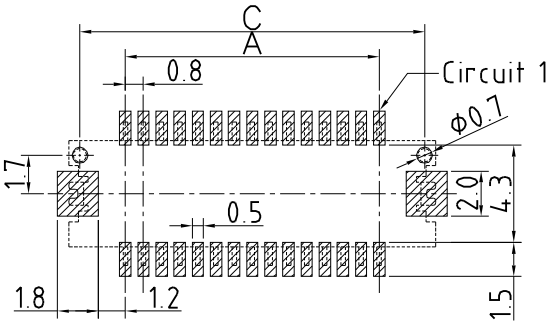
Features

Available Number of Circuits : 2x05 - 2x50

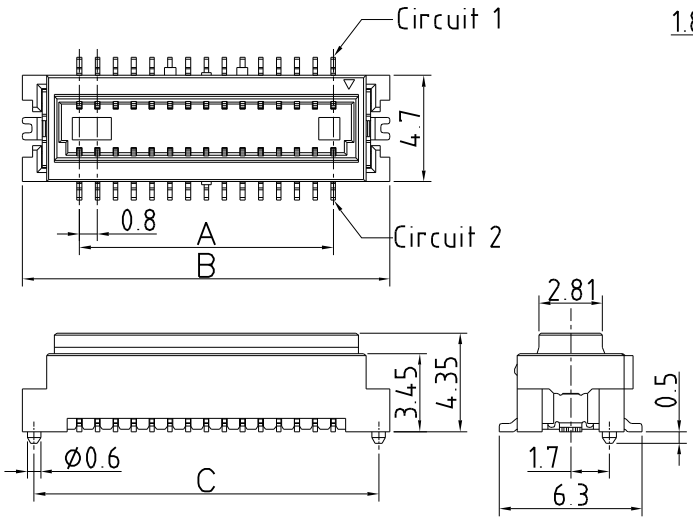
Material : High Temperature Thermoplastic 94V-0

Contact : 0.2mm(.008") Copper Alloy, Tin-plated

Mates with : TP0803 Series Dual Row Header-Type



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
10	TP0803PV-2x0570-*0*	3.20	8.20	7.20
12	TP0803PV-2x0670-*0*	4.00	9.00	8.00
14	TP0803PV-2x0770-*0*	4.80	9.80	8.80
16	TP0803PV-2x0870-*0*	5.60	10.60	9.60
20	TP0803PV-2x1070-*0*	7.20	12.20	11.20
24	TP0803PV-2x1270-*0*	8.80	13.80	12.80
26	TP0803PV-2x1370-*0*	9.60	14.60	13.60
30	TP0803PV-2x1570-*0*	11.20	16.20	15.20
34	TP0803PV-2x1770-*0*	12.80	17.80	16.80
36	TP0803PV-2x1870-*0*	13.60	18.60	17.60
40	TP0803PV-2x2070-*0*	15.20	20.20	19.20
50	TP0803PV-2x2570-*0*	19.20	24.20	23.20
60	TP0803PV-2x3070-*0*	23.20	28.20	27.20
80	TP0803PV-2x4070-*0*	31.20	36.20	35.20
90	TP0803PV-2x4570-*0*	35.20	40.20	39.20
100	TP0803PV-2x5070-*0*	39.20	44.20	43.20

Wafer Receptacle-Type

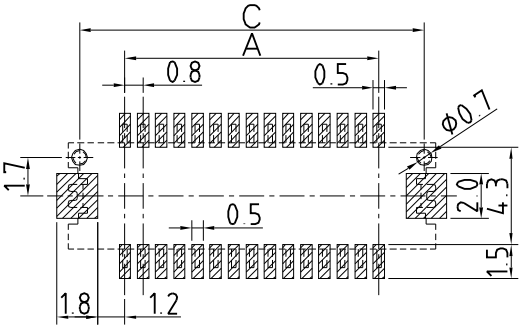
Features

Available Number of Circuits : 2x05 - 2x50

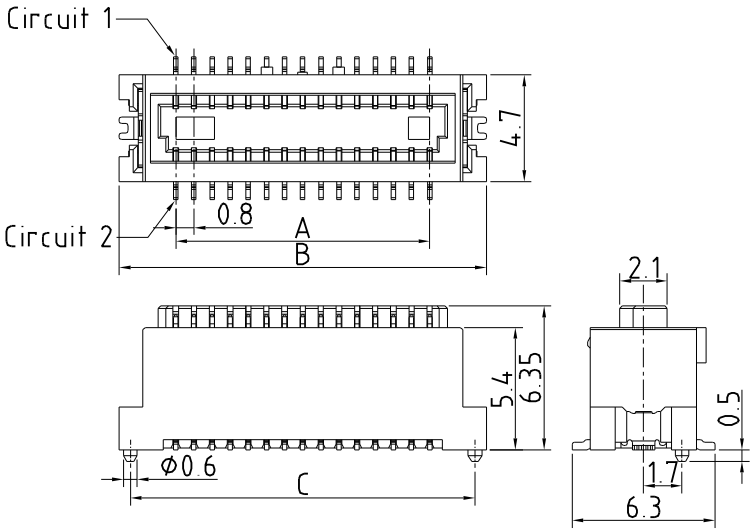
Material : High Temperature Thermoplastic 94V-0

Contact : 0.2mm(.008") Copper Alloy, Tin-plated

Mates with : TP0803 Series Dual Row Receptacle-Type



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
10	TP0803RV-2x0570-*0*	3.20	8.20	7.20
12	TP0803RV-2x0670-*0*	4.00	9.00	8.00
14	TP0803RV-2x0770-*0*	4.80	9.80	8.80
16	TP0803RV-2x0870-*0*	5.60	10.60	9.60
20	TP0803RV-2x1070-*0*	7.20	12.20	11.20
24	TP0803RV-2x1270-*0*	8.80	13.80	12.80
26	TP0803RV-2x1370-*0*	9.60	14.60	13.60
30	TP0803RV-2x1570-*0*	11.20	16.20	15.20
34	TP0803RV-2x1770-*0*	12.80	17.80	16.80
36	TP0803RV-2x1870-*0*	13.60	18.60	17.60
40	TP0803RV-2x2070-*0*	15.20	20.20	19.20
50	TP0803RV-2x2570-*0*	19.20	24.20	23.20
60	TP0803RV-2x3070-*0*	23.20	28.20	27.20
80	TP0803RV-2x4070-*0*	31.20	36.20	35.20
90	TP0803RV-2x4570-*0*	35.20	40.20	39.20
100	TP0803RV-2x5070-*0*	39.20	44.20	43.20

TP0803 SERIES

0.80mm Pitch Board To Board Connector

Wafer Receptacle-Type

Unit : mm

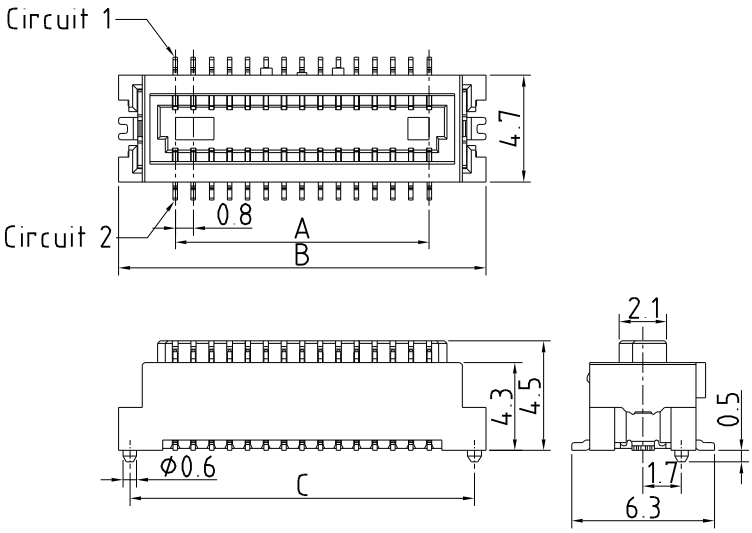
Features

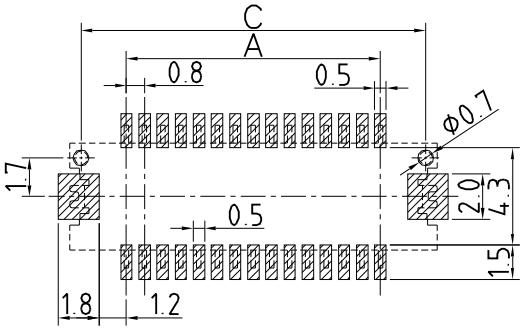
Available Number of Circuits : 2x05 - 2x50

Material : High Temperature Thermoplastic 94V-0

Contact: 0.2mm(.008") Copper Alloy, Tin-plated

Mates with : TP0803 Series Dual Row Header-Type





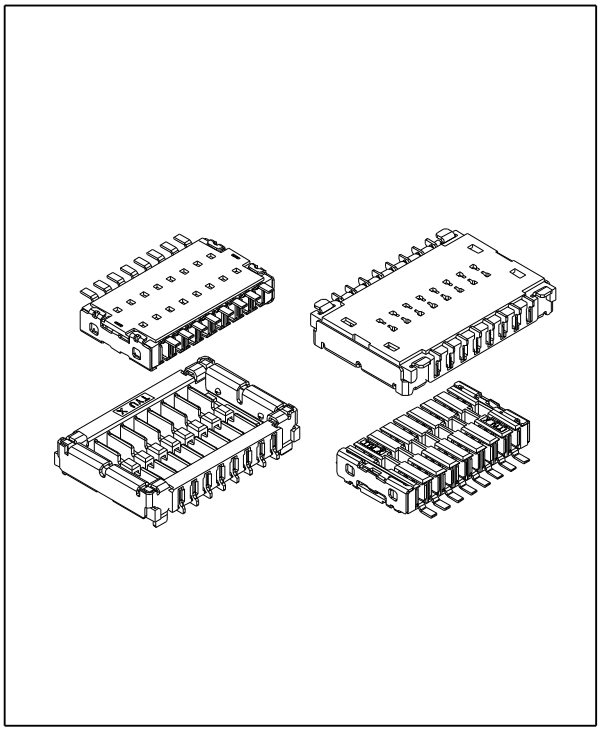
P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
10	TP0803RV-2x0570-*1*	3.20	8.20	7.20
12	TP0803RV-2x0670-*1*	4.00	9.00	8.00
14	TP0803RV-2x0770-*1*	4.80	9.80	8.80
16	TP0803RV-2x0870-*1*	5.60	10.60	9.60
20	TP0803RV-2x1070-*1*	7.20	12.20	11.20
24	TP0803RV-2x1270-*1*	8.80	13.80	12.80
26	TP0803RV-2x1370-*1*	9.60	14.60	13.60
30	TP0803RV-2x1570-*1*	11.20	16.20	15.20
34	TP0803RV-2x1770-*1*	12.80	17.80	16.80
36	TP0803RV-2x1870-*1*	13.60	18.60	17.60
40	TP0803RV-2x2070-*1*	15.20	20.20	19.20
50	TP0803RV-2x2570-*1*	19.20	24.20	23.20
60	TP0803RV-2x3070-*1*	23.20	28.20	27.20
80	TP0803RV-2x4070-*1*	31.20	36.20	35.20
90	TP0803RV-2x4570-*1*	35.20	40.20	39.20
100	TP0803RV-2x5070-*1*	39.20	44.20	43.20

TP1251 SERIES

1.25mm Pitch Board To Board Connector

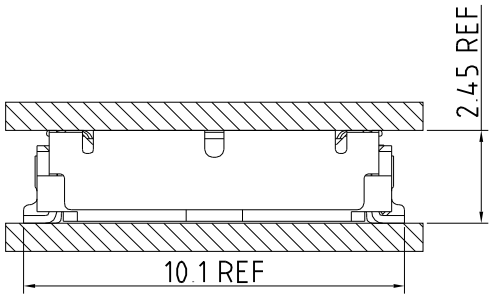


Specification

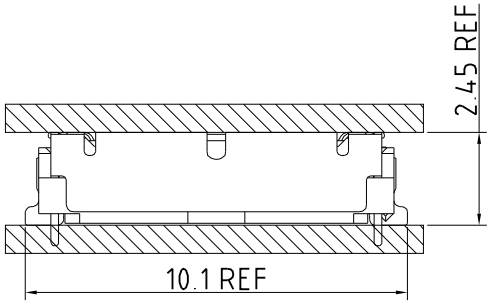
Circuits	2x08
Pitch	1.25mm
Current Rating	3A AC/DC
Voltage Rating	30V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	800V AC/minute
Insulation Resistance	1000MΩ MIN.
Temperature Range	-55°C - +85°C

Assembly Layout

Vertical Type



Vertical F Type



TP1251 * - * x NP * * - * 0 *
① ② ③ ④⑤ ⑥ ⑦

① Part No. TP1251	④ Mount Type 6: SMT-Type Wafer with mylar	⑥ Contact Plating Code 0: Gold-flash over Nickel 3: 10u" Gold over Nickel 5: 30u" Gold over Nickel
② Connection Type: RGP : Receptacle PGP : Header	⑤ Mount Type F : F Type	⑦ Product Color 0: Black
③ Number of Contacts: 2xNP : Dual Row		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

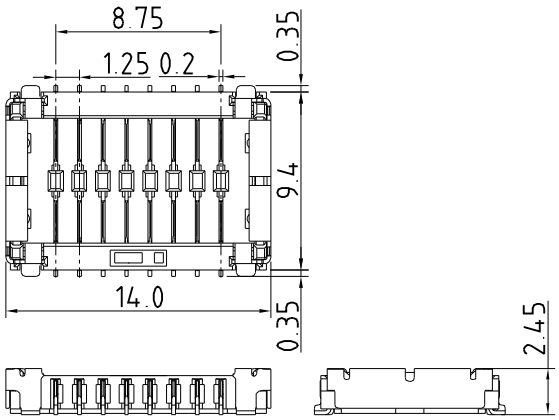
TP1251 SERIES

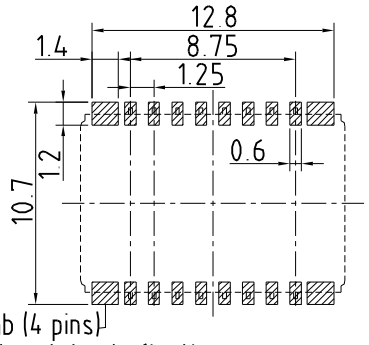
1.25mm Pitch Board To Board Connector

Unit : mm

Wafer Header Type

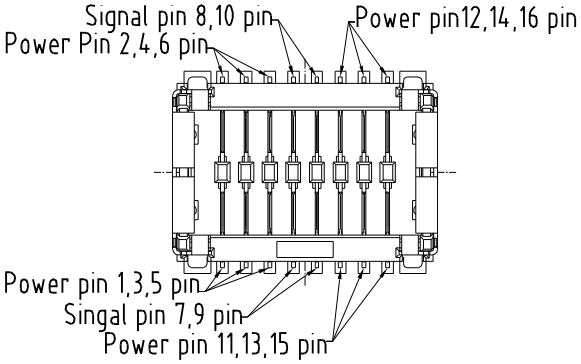
Features
Available Number of Circuits : 2x08
Material : High Temperature Thermoplastic 94V-0
Contact **:** 0.2mm(.008") High Current, Gold-plated
Mates with : TP1251RGP Series
Part No. : TP1251PGP-2x0860-*0*





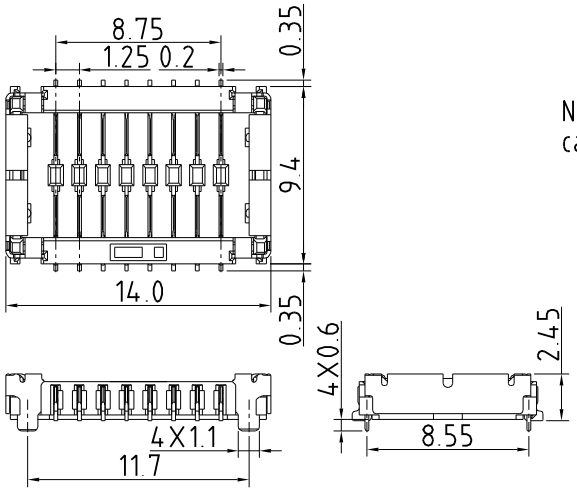
Solder tab (4 pins)
NOTE:solder tab metal only fixation,
can't do electrical application(dummy)

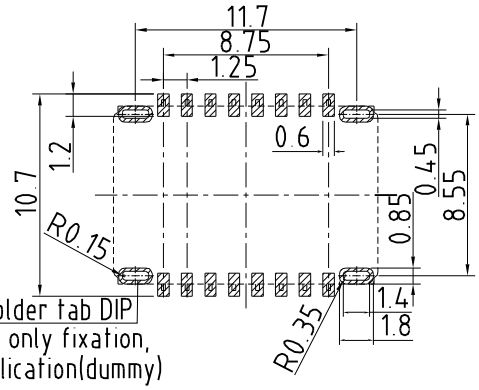
P.C.B LAYOUT



Wafer Header F Type

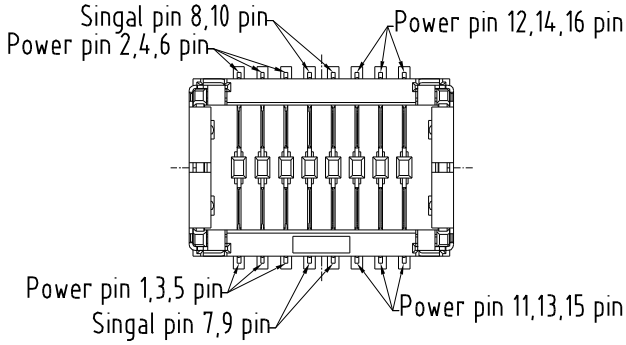
Features
Available Number of Circuits : 2x08
Material : High Temperature Thermoplastic 94V-0
Contact **:** 0.2mm(.008") High Current, Gold-plated
Mates with : TP1251RGP Series
Part No. : TP1251PGP-2x086F-*0*





Solder tab DIP
NOTE:solder tab metal only fixation,
can't do electrical application(dummy)

P.C.B LAYOUT



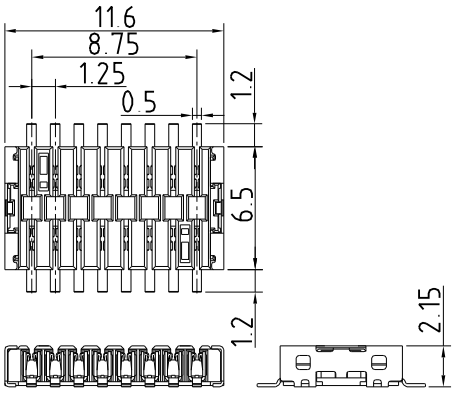
TP1251 SERIES

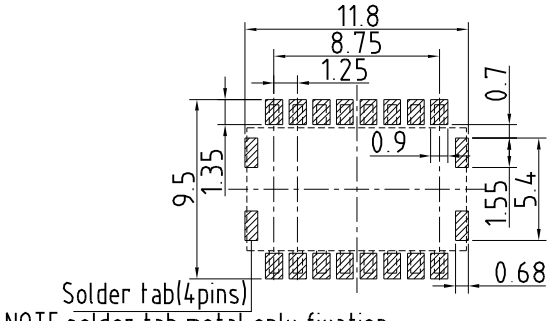
1.25mm Pitch Board To Board Connector

Wafer Receptacle Type

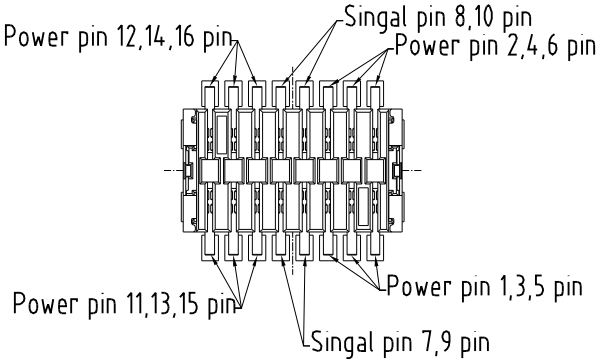
Unit : mm

Features
Available Number of Circuits : 2x08
Material : High Temperature Thermoplastic 94V-0
Contact: 0.15mm(.006") High Current, Gold-plated
Mates with : TP1251PGP Series
Part No. : TP1251RGP-2x0860-*0*



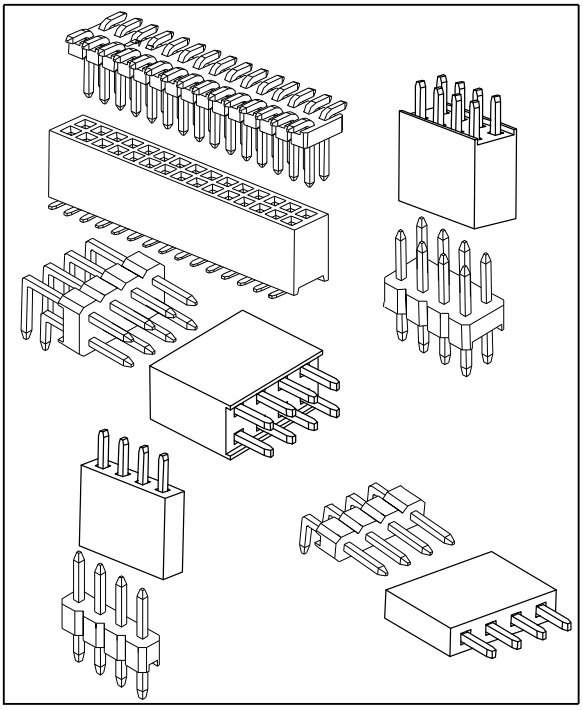


P.C.B LAYOUT



TP1271 SERIES

1.27mm Pitch Board To Board Connector

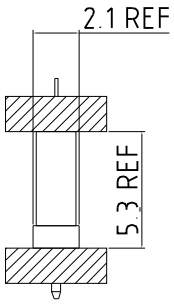


Specification

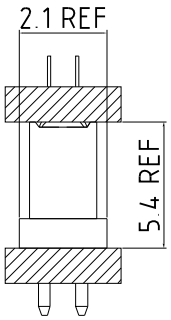
Circuits	1x02-1x50 , 2x04-2x25
Pitch	1.27mm
Current Rating	1A AC/DC
Voltage Rating	125V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	1000MΩ MIN.
Temperature Range	-25°C - +85°C

Assembly Layout

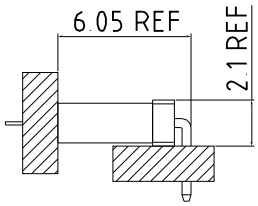
Vertical Type Single Row



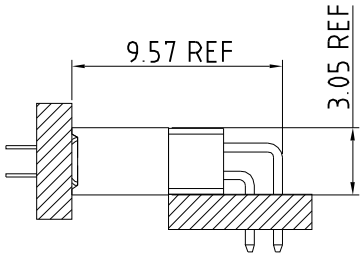
Vertical Type Dual Row



Right Angle Type Single Row



Right Angle Type Dual Row



TP1271 ① * - * x NP ③ * ④ * ⑤ -* ⑥ * *

① Part No. TP1271	④ Mount Type Packing code serial number 1,2,3...0 Type A,B...Z Type	⑥ Contact Plating Code 0: Gold flash plated
② Connection Type: PVP : Vertical Header-Type PVR : Right Angle Header-Type RVP : Vertical Receptacle-Type RVR : Right Angle Receptacle-Type	⑤ High plastic Type 1 : 2.5mm 7 : 4.4mm 2 : 3.4mm 3 : 4.3mm 4 : 1.6mm 5 : 1.0mm	
③ Number of Contacts: 1xNP : Single row 2xNP : Dual row		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TP1271 SERIES

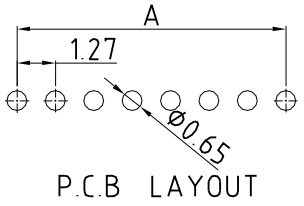
1.27mm Pitch Board To Board Connector

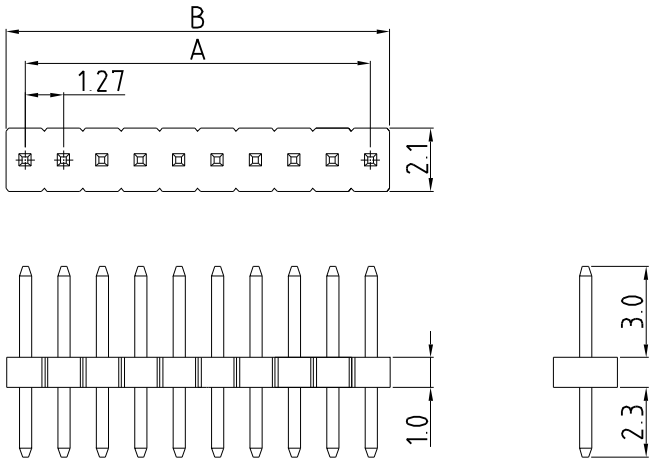
Unit : mm

Wafer Header-Type

Features

Available Number of Circuits: 1x02~1x050
Material: High-Temperature Thermoplastic, UL94-V0
Contact: 0.4mm(.016") Copper Alloy, Gold plated
Mates with : TP1271 Series Single Row Receptacle-Type





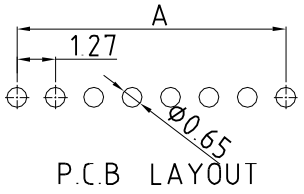
Dimension and Order Information

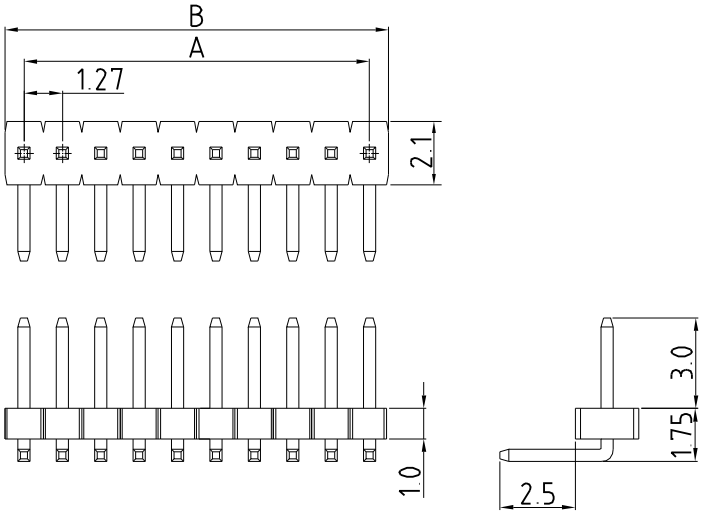
Circuits	Part No.	DIM.(mm)	
		A	B
2	TP1271PVP-1x02*5-070	1.27	2.54
3	TP1271PVP-1x03*5-070	2.54	3.81
4	TP1271PVP-1x04*5-070	3.81	5.08
5	TP1271PVP-1x05*5-070	5.08	6.35
6	TP1271PVP-1x06*5-070	6.35	7.62
7	TP1271PVP-1x07*5-070	7.62	8.89
8	TP1271PVP-1x08*5-070	8.89	10.16
9	TP1271PVP-1x09*5-070	10.16	11.43
10	TP1271PVP-1x10*5-070	11.43	12.70
11	TP1271PVP-1x11*5-070	12.70	13.97
12	TP1271PVP-1x12*5-070	13.97	15.24
13	TP1271PVP-1x13*5-070	15.24	16.51
14	TP1271PVP-1x14*5-070	16.51	17.78
15	TP1271PVP-1x15*5-070	17.78	19.05
≀			
49	TP1271PVP-1x49*5-070	60.96	62.23
50	TP1271PVP-1x50*5-070	62.23	63.50

Wafer Header-Type

Features

Available Number of Circuits: 1x02~1x50
Material: High-Temperature Thermoplastic, UL94-V0
Contact: 0.4mm(.016") Copper Alloy, Gold plated
Mates with : TP1271 Series Single Row Receptacle-Type





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TP1271PVP-1x02*5-030	1.27	2.54
3	TP1271PVP-1x03*5-030	2.54	3.81
4	TP1271PVP-1x04*5-030	3.81	5.08
5	TP1271PVP-1x05*5-030	5.08	6.35
6	TP1271PVP-1x06*5-030	6.35	7.62
7	TP1271PVP-1x07*5-030	7.62	8.89
8	TP1271PVP-1x08*5-030	8.89	10.16
9	TP1271PVP-1x09*5-030	10.16	11.43
10	TP1271PVP-1x10*5-030	11.43	12.70
11	TP1271PVP-1x11*5-030	12.70	13.97
12	TP1271PVP-1x12*5-030	13.97	15.24
13	TP1271PVP-1x13*5-030	15.24	16.51
14	TP1271PVP-1x14*5-030	16.51	17.78
15	TP1271PVP-1x15*5-030	17.78	19.05
≀			
49	TP1271PVP-1x49*5-030	60.96	62.23
50	TP1271PVP-1x50*5-030	62.23	63.50

TP1271 SERIES

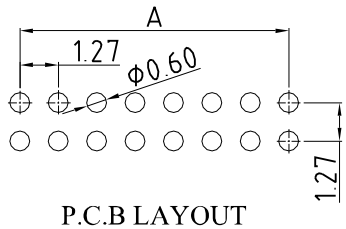
1.27mm Pitch Board To Board Connector

Unit : mm

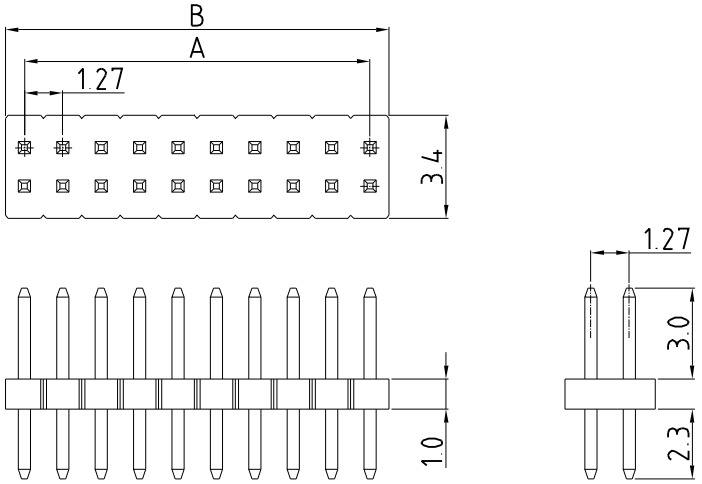
Wafer Header-Type

Features

Available Number of Circuits: 2x03 - 2x50
Material: High-Temperature Thermoplastic, UL94-V0
Contact: 0.4mm(.016") Copper Alloy, Gold plated
Mates with : TP1271 Series Dual Row Receptacle-Type



P.C.B LAYOUT



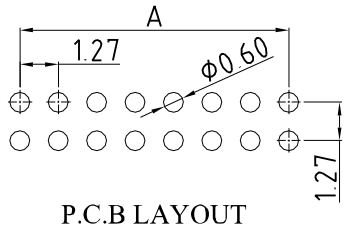
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
6	TP1271PVP-2x03*5-020	2.54	3.81
8	TP1271PVP-2x04*5-020	3.81	5.08
10	TP1271PVP-2x05*5-020	5.08	6.35
12	TP1271PVP-2x06*5-020	6.35	7.62
14	TP1271PVP-2x07*5-020	7.62	8.89
16	TP1271PVP-2x08*5-020	8.89	10.16
18	TP1271PVP-2x09*5-020	10.16	11.43
20	TP1271PVP-2x10*5-020	11.43	12.70
22	TP1271PVP-2x11*5-020	12.70	13.97
24	TP1271PVP-2x12*5-020	13.97	15.24
26	TP1271PVP-2x13*5-020	15.24	16.51
28	TP1271PVP-2x14*5-020	16.51	17.78
30	TP1271PVP-2x15*5-020	17.78	19.05
≀			
98	TP1271PVP-2x49*5-020	60.96	62.23
100	TP1271PVP-2x50*5-020	62.23	63.50

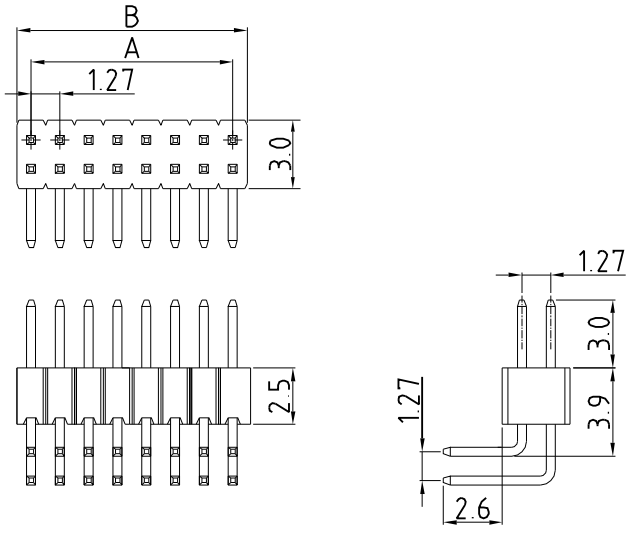
Wafer Header-Type

Features

Available Number of Circuits: 2x02 - 2x50
Material: High-Temperature Thermoplastic, UL94-V0
Contact: 0.4mm(.016") Copper Alloy, Gold plated
Mates with : TP1271 Series Dual Row Receptacle-Type



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TP1271PVR-2x02*1-060	1.27	2.54
6	TP1271PVR-2x03*1-060	2.54	3.81
8	TP1271PVR-2x04*1-060	3.81	5.08
10	TP1271PVR-2x05*1-060	5.08	6.35
12	TP1271PVR-2x06*1-060	6.35	7.62
14	TP1271PVR-2x07*1-060	7.62	8.89
16	TP1271PVR-2x08*1-060	8.89	10.16
18	TP1271PVR-2x09*1-060	10.16	11.43
20	TP1271PVR-2x10*1-060	11.43	12.70
22	TP1271PVR-2x11*1-060	12.70	13.97
24	TP1271PVR-2x12*1-060	13.97	15.24
26	TP1271PVR-2x13*1-060	15.24	16.51
28	TP1271PVR-2x14*1-060	16.51	17.78
30	TP1271PVR-2x15*1-060	17.78	19.05
≀			
98	TP1271PVR-2x49*1-060	60.96	62.23
100	TP1271PVR-2x50*1-060	62.23	63.50

TP1271 SERIES

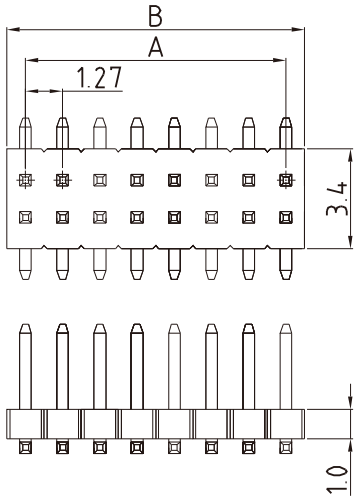
1.27mm Pitch Board To Board Connector

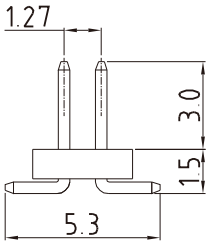
Unit : mm

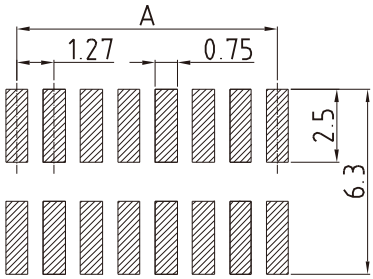
Wafer Header-Type

Features

Available Number of Circuits: 2x02~2x50
Material: High-Temperature Thermoplastic, UL94-V0
Contact: 0.4mm(.016") Copper Alloy, Gold plated
Mates with : TP1271 Series Dual Row Receptacle-Type







P.C.B LAYOUT

Dimension and Order Information

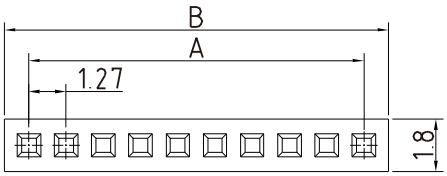
Circuits	Part No.	DIM.(mm)	
		A	B
4	TP1271PVP-2x02*5-010	1.27	2.54
6	TP1271PVP-2x03*5-010	2.54	3.81
8	TP1271PVP-2x04*5-010	3.81	5.08
10	TP1271PVP-2x05*5-010	5.08	6.35
12	TP1271PVP-2x06*5-010	6.35	7.62
14	TP1271PVP-2x07*5-010	7.62	8.89
16	TP1271PVP-2x08*5-010	8.89	10.16
18	TP1271PVP-2x09*5-010	10.16	11.43
20	TP1271PVP-2x10*5-010	11.43	12.70
22	TP1271PVP-2x11*5-010	12.70	13.97
24	TP1271PVP-2x12*5-010	13.97	15.24
26	TP1271PVP-2x13*5-010	15.24	16.51
28	TP1271PVP-2x14*5-010	16.51	17.78
30	TP1271PVP-2x15*5-010	17.78	19.05
≀			
98	TP1271PVP-2x49*5-010	60.96	62.23
100	TP1271PVP-2x50*5-010	62.23	63.50

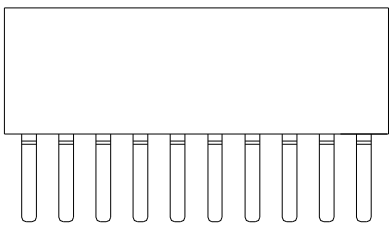
Wafer Receptacle-Type

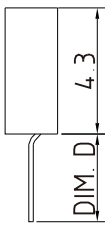
Features

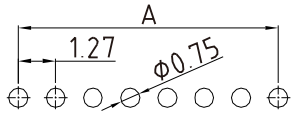
Available Number of Circuits: 1x02~1x25
Material: High-Temperature Thermoplastic, UL94-V0
Contact: 0.15mm(.006") Copper Alloy, Gold plated
Mates with : TP1271 Series Single Row Header-Type
Part No. : TP1271RVP-1xNP*3-0 * 0

8: DIM. D=3.0mm
9: DIM. D=2.4mm









P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TP1271RVP-1x02*3-0*0	1.27	2.94
3	TP1271RVP-1x03*3-0*0	2.54	4.21
4	TP1271RVP-1x04*3-0*0	3.81	5.48
5	TP1271RVP-1x05*3-0*0	5.08	6.75
6	TP1271RVP-1x06*3-0*0	6.35	8.02
7	TP1271RVP-1x07*3-0*0	7.62	9.29
8	TP1271RVP-1x08*3-0*0	8.89	10.56
9	TP1271RVP-1x09*3-0*0	10.16	11.83
10	TP1271RVP-1x10*3-0*0	11.43	13.10
11	TP1271RVP-1x11*3-0*0	12.70	14.37
12	TP1271RVP-1x12*3-0*0	13.97	15.64
13	TP1271RVP-1x13*3-0*0	15.24	16.91
14	TP1271RVP-1x14*3-0*0	16.51	18.18
15	TP1271RVP-1x15*3-0*0	17.78	19.45
≀			
24	TP1271RVP-1x24*3-0*0	29.21	30.88
25	TP1271RVP-1x25*3-0*0	30.48	32.15

TP1271 SERIES

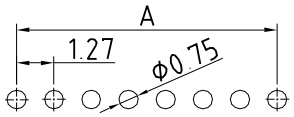
1.27mm Pitch Board To Board Connector

Unit : mm

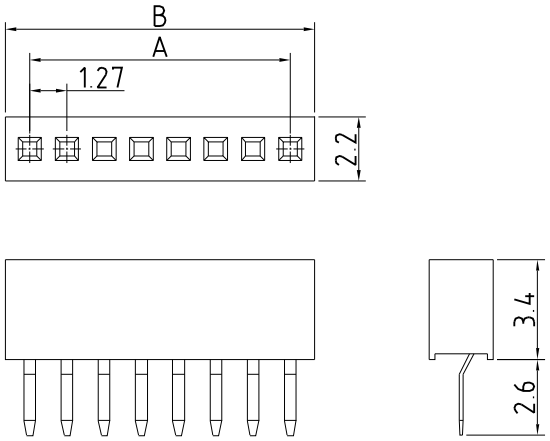
Wafer Receptacle-Type

Features

Available Number of Circuits: 1x02 - 1x25
Material: High-Temperature Thermoplastic, UL94-V0
Contact: 0.15mm(.006") Copper Alloy, Gold plated
Mates with : TP1271 Series Single Row Header-Type
Part No. : TP1271PVP-1xNPM2-0E0



P.C.B LAYOUT



Dimension and Order Information

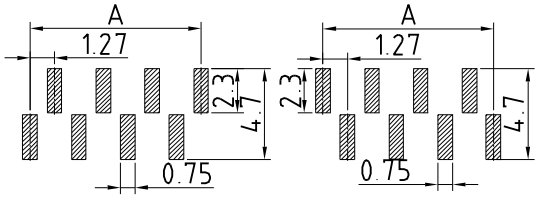
Circuits	Part No.	DIM.(mm)	
		A	B
2	TP1271RVP-1x02*2-0E0	1.27	2.94
3	TP1271RVP-1x03*2-0E0	2.54	4.21
4	TP1271RVP-1x04*2-0E0	3.81	5.48
5	TP1271RVP-1x05*2-0E0	5.08	6.75
6	TP1271RVP-1x06*2-0E0	6.35	8.02
7	TP1271RVP-1x07*2-0E0	7.62	9.29
8	TP1271RVP-1x08*2-0E0	8.89	10.56
9	TP1271RVP-1x09*2-0E0	10.16	11.83
10	TP1271RVP-1x10*2-0E0	11.43	13.10
11	TP1271RVP-1x11*2-0E0	12.70	14.37
12	TP1271RVP-1x12*2-0E0	13.97	15.64
13	TP1271RVP-1x13*2-0E0	15.24	16.91
14	TP1271RVP-1x14*2-0E0	16.51	18.18
15	TP1271RVP-1x15*2-0E0	17.78	19.45
≀			
24	TP1271RVP-1x24*2-0E0	29.21	30.88
25	TP1271RVP-1x25*2-0E0	30.48	32.15

Wafer Receptacle-Type

Features

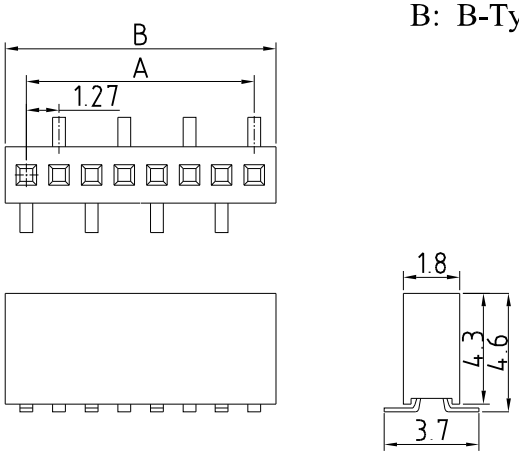
Available Number of Circuits: 1x02 - 1x25
Material: High-Temperature Thermoplastic, UL94-V0
Contact: 0.15mm(.006") Copper Alloy, Gold plated
Mates with : TP1271 Series Single Row Header-Type
Part No. : TP1271RVP-1xNP*3-0 * 0

A: A-Type Layout
B: B-Type Layout



TP1271RVP-1xNPH3-0A0 (A-Type)
TP1271RVP-1xNPH3-0B0 (B-Type)

P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TP1271RVP-1x02*3-0*0	1.27	2.94
3	TP1271RVP-1x03*3-0*0	2.54	4.21
4	TP1271RVP-1x04*3-0*0	3.81	5.48
5	TP1271RVP-1x05*3-0*0	5.08	6.75
6	TP1271RVP-1x06*3-0*0	6.35	8.02
7	TP1271RVP-1x07*3-0*0	7.62	9.29
8	TP1271RVP-1x08*3-0*0	8.89	10.56
9	TP1271RVP-1x09*3-0*0	10.16	11.83
10	TP1271RVP-1x10*3-0*0	11.43	13.10
11	TP1271RVP-1x11*3-0*0	12.70	14.37
12	TP1271RVP-1x12*3-0*0	13.97	15.64
13	TP1271RVP-1x13*3-0*0	15.24	16.91
14	TP1271RVP-1x14*3-0*0	16.51	18.18
15	TP1271RVP-1x15*3-0*0	17.78	19.45
≀			
24	TP1271RVP-1x24*3-0*0	29.21	30.88
25	TP1271RVP-1x25*3-0*0	30.48	32.15

TP1271 SERIES

1.27mm Pitch Board To Board Connector

Unit : mm

Wafer Receptacle-Type

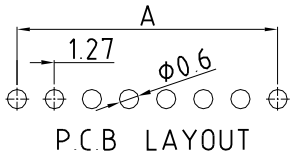
Features

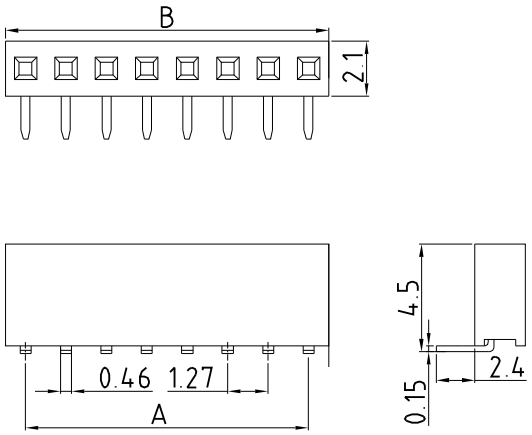
Available Number of Circuits: 1x02~1x 25

Material: High-Temperature Thermoplastic, UL94-V0

Contact: 0.15mm(.006") Copper Alloy, Gold plated

Mates with : TP1271 Series Dual Row Header-Type





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TP1271RVR-1x02*9-001	1.27	2.94
3	TP1271RVR-1x03*9-001	2.54	4.21
4	TP1271RVR-1x04*9-001	3.81	5.48
5	TP1271RVR-1x05*9-001	5.08	6.75
6	TP1271RVR-1x06*9-001	6.35	8.02
7	TP1271RVR-1x07*9-001	7.62	9.29
8	TP1271RVR-1x08*9-001	8.89	10.56
9	TP1271RVR-1x09*9-001	10.16	11.83
10	TP1271RVR-1x10*9-001	11.43	13.10
11	TP1271RVR-1x11*9-001	12.70	14.37
12	TP1271RVR-1x12*9-001	13.97	15.64
13	TP1271RVR-1x13*9-001	15.24	16.91
14	TP1271RVR-1x14*9-001	16.51	18.18
15	TP1271RVR-1x15*9-001	17.78	19.45
≀			
24	TP1271RVR-1x24*9-001	29.21	30.88
25	TP1271RVR-1x25*9-001	30.48	32.15

Wafer Receptacle-Type

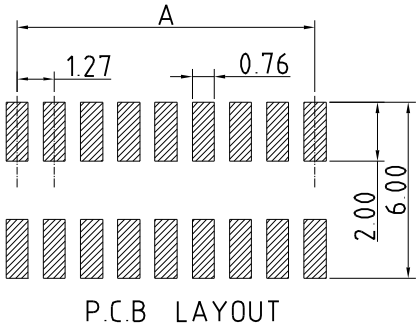
Features

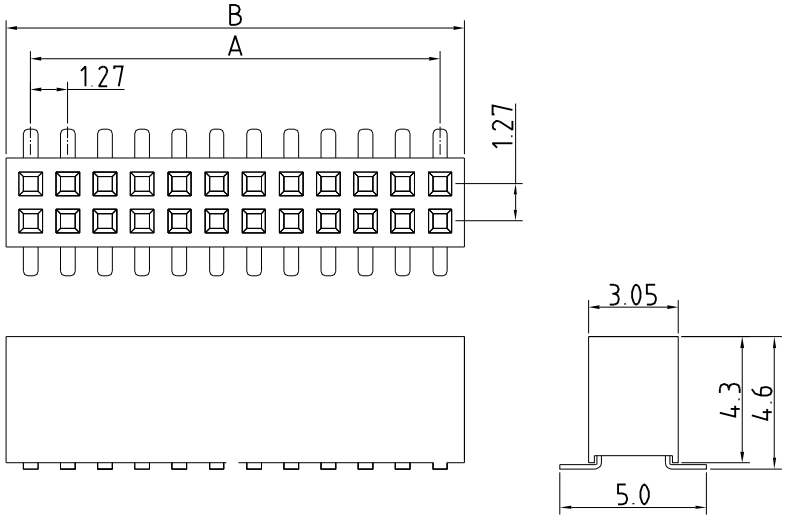
Available Number of Circuits: 2x02~ 2x30

Material: High-Temperature Thermoplastic, UL94-V0

Contact: 0.15mm(.006") Copper Alloy, Gold plated

Mates with : TP1271 Series Dual Row Header-Type





Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TP1271RVP-2x02*3-0C0	1.27	2.94
6	TP1271RVP-2x03*3-0C0	2.54	4.21
8	TP1271RVP-2x04*3-0C0	3.81	5.48
10	TP1271RVP-2x05*3-0C0	5.08	6.75
12	TP1271RVP-2x06*3-0C0	6.35	8.02
14	TP1271RVP-2x07*3-0C0	7.62	9.29
16	TP1271RVP-2x08*3-0C0	8.89	10.56
18	TP1271RVP-2x09*3-0C0	10.16	11.83
20	TP1271RVP-2x10*3-0C0	11.43	13.10
22	TP1271RVP-2x11*3-0C0	12.70	14.37
24	TP1271RVP-2x12*3-0C0	13.97	15.64
26	TP1271RVP-2x13*3-0C0	15.24	16.91
28	TP1271RVP-2x14*3-0C0	16.51	18.18
30	TP1271RVP-2x15*3-0C0	17.78	19.45
≀			
58	TP1271RVP-2x24*3-0C0	35.56	37.23
60	TP1271RVP-2x25*3-0C0	36.83	38.50

TP1271 SERIES

1.27mm Pitch Board To Board Connector

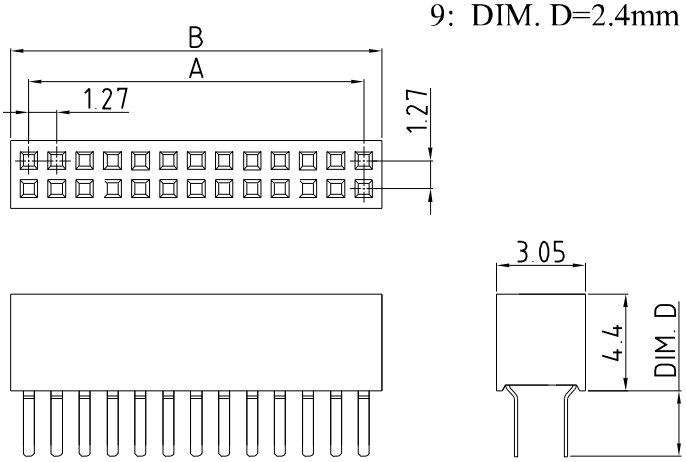
Unit : mm

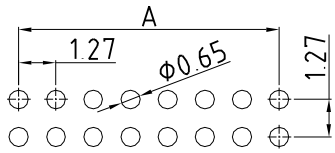
Wafer Receptacle-Type

Features

Available Number of Circuits: 2x02 - 2x30
Material: High-Temperature Thermoplastic, UL94-V0
Contact: 0.15mm(.006") Copper Alloy, Gold plated
Mates with : TP1271 Series Dual Row Header-Type
Part No. : TP1271RVP-2x02*7-0 * 0

8: DIM. D=3.0mm
9: DIM. D=2.4mm





P.C.B LAYOUT

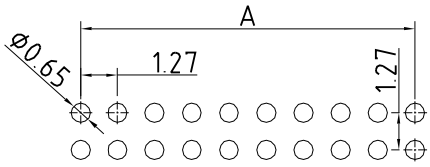
Dimension and Order Information

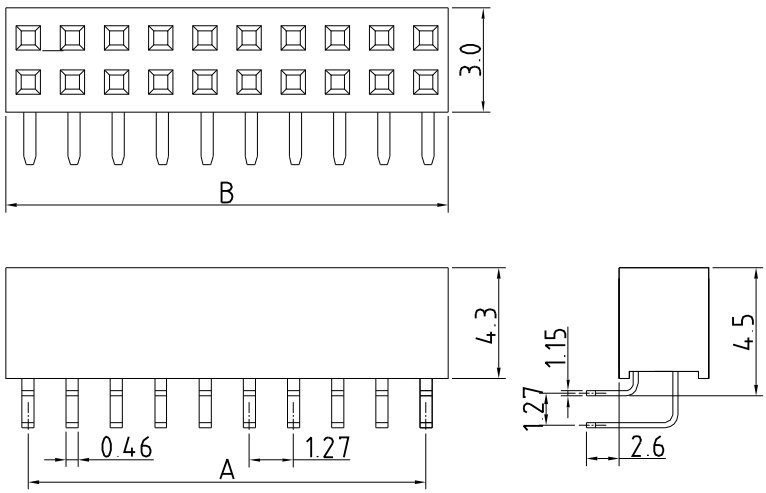
Circuits	Part No.	DIM.(mm)	
		A	B
4	TP1271RVP-2x02*7-0*0	1.27	2.94
6	TP1271RVP-2x03*7-0*0	2.54	4.21
8	TP1271RVP-2x04*7-0*0	3.81	5.48
10	TP1271RVP-2x05*7-0*0	5.08	6.75
12	TP1271RVP-2x06*7-0*0	6.35	8.02
14	TP1271RVP-2x07*7-0*0	7.62	9.29
16	TP1271RVP-2x08*7-0*0	8.89	10.56
18	TP1271RVP-2x09*7-0*0	10.16	11.83
20	TP1271RVP-2x10*7-0*0	11.43	13.10
22	TP1271RVP-2x11*7-0*0	12.70	14.37
24	TP1271RVP-2x12*7-0*0	13.97	15.64
26	TP1271RVP-2x13*7-0*0	15.24	16.91
28	TP1271RVP-2x14*7-0*0	16.51	18.18
30	TP1271RVP-2x15*7-0*0	17.78	19.45
⌇			
58	TP1271RVP-2x29*7-0*0	35.56	37.23
60	TP1271RVP-2x30*7-0*0	36.83	38.50

Wafer Receptacle-Type

Features

Available Number of Circuits: 2x03 - 2x30
Material: High-Temperature Thermoplastic, UL94-V0
Contact: 0.15mm(.006") Copper Alloy, Gold plated
Mates with : TP1271 Series Dual Row Header-Type





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TP1271RVR-2x02	1.27	2.94
6	TP1271RVR-2x03	2.54	4.21
8	TP1271RVR-2x04	3.81	5.48
10	TP1271RVR-2x05	5.08	6.75
12	TP1271RVR-2x06	6.35	8.02
14	TP1271RVR-2x07	7.62	9.29
16	TP1271RVR-2x08	8.89	10.56
18	TP1271RVR-2x09	10.16	11.83
20	TP1271RVR-2x10	11.43	13.10
22	TP1271RVR-2x11	12.70	14.37
24	TP1271RVR-2x12	13.97	15.64
26	TP1271RVR-2x13	15.24	16.91
28	TP1271RVR-2x14	16.51	18.18
30	TP1271RVR-2x15	17.78	19.45
⌇			
58	TP1271RVR-2x29	35.56	37.23
60	TP1271RVR-2x30	36.83	38.50

TP1271 SERIES

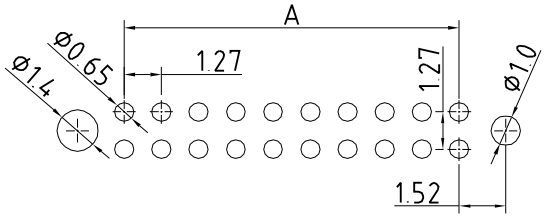
1.27mm Pitch Board To Board Connector

Unit : mm

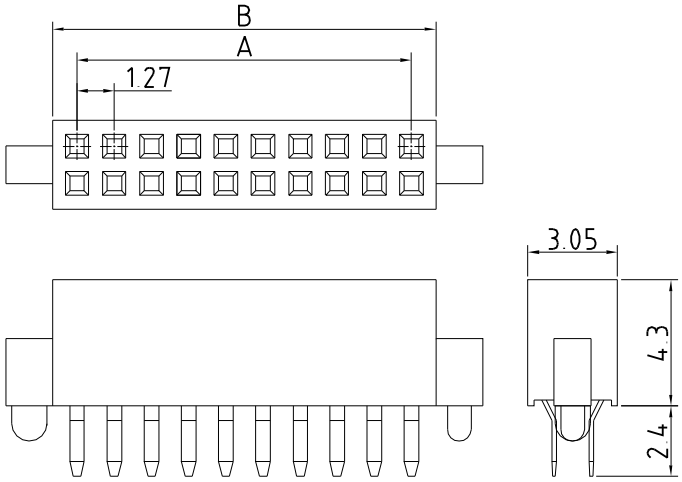
Wafer Receptacle-Type

Features

Available Number of Circuits: 2x03 - 2x30
Material: High-Temperature Thermoplastic, UL94-V0
Contact: 0.15mm(.006") Copper Alloy, Gold plated
Mates with : TP1271 Series Dual Row Header-Type



P.C.B LAYOUT



Dimension and Order Information

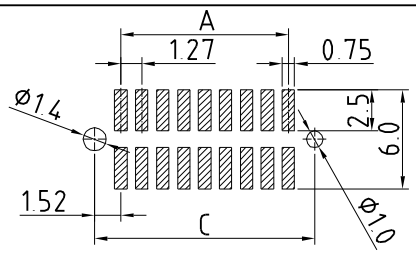
Circuits	Part No.	DIM.(mm)	
		A	B
6	TP1271RVP-2x03*3-0F4	2.54	4.21
8	TP1271RVP-2x04*3-0F4	3.81	5.48
10	TP1271RVP-2x05*3-0F4	5.08	6.75
12	TP1271RVP-2x06*3-0F4	6.35	8.02
14	TP1271RVP-2x07*3-0F4	7.62	9.29
16	TP1271RVP-2x08*3-0F4	8.89	10.56
18	TP1271RVP-2x09*3-0F4	10.16	11.83
20	TP1271RVP-2x10*3-0F4	11.43	13.10
22	TP1271RVP-2x11*3-0F4	12.70	14.37
24	TP1271RVP-2x12*3-0F4	13.97	15.64
26	TP1271RVP-2x13*3-0F4	15.24	16.91
28	TP1271RVP-2x14*3-0F4	16.51	18.18
30	TP1271RVP-2x15*3-0F4	17.78	19.45
≀			
58	TP1271RVP-2x29*3-0F4	35.56	37.23
60	TP1271RVP-2x30*3-0F4	36.83	38.50

Wafer Receptacle-Type

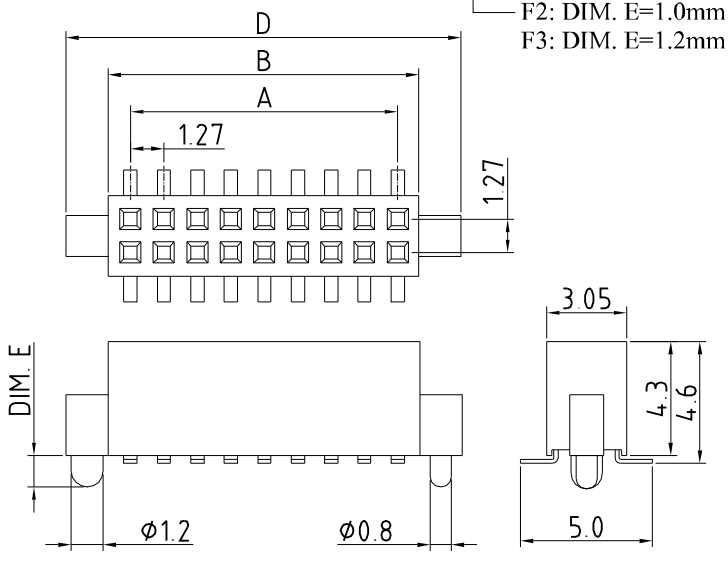
Features

Available Number of Circuits: 2x02 - 2x25
Material: High-Temperature Thermoplastic, UL94-V0
Contact: 0.15mm(.006") Copper Alloy, Gold plated
Mates with : TP1271 Series Dual Row Header-Type
Part No. : TP1271RVP-2xNP*3-0 **

F2: DIM. E=1.0mm
F3: DIM. E=1.2mm



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)			
		A	B	C	D
4	TP1271RVP-2x02*3-0**	1.27	2.94	5.98	7.50
6	TP1271RVP-2x03*3-0**	2.54	4.21	7.25	8.77
8	TP1271RVP-2x04*3-0**	3.81	5.48	8.52	10.04
10	TP1271RVP-2x05*3-0**	5.08	6.75	9.79	11.31
12	TP1271RVP-2x06*3-0**	6.35	8.02	11.06	12.58
14	TP1271RVP-2x07*3-0**	7.62	9.29	12.33	13.85
16	TP1271RVP-2x08*3-0**	8.89	10.56	13.60	15.12
18	TP1271RVP-2x09*3-0**	10.16	11.83	14.87	16.39
20	TP1271RVP-2x10*3-0**	11.43	13.10	16.14	17.66
22	TP1271RVP-2x11*3-0**	12.70	14.37	17.41	18.93
24	TP1271RVP-2x12*3-0**	13.97	15.64	18.68	20.20
26	TP1271RVP-2x13*3-0**	15.24	16.91	19.95	21.47
28	TP1271RVP-2x14*3-0**	16.51	18.18	21.22	22.74
30	TP1271RVP-2x15*3-0**	17.78	19.45	22.49	24.01
≀					
48	TP1271RVP-2x24*3-0**	29.21	30.88	33.92	35.44
50	TP1271RVP-2x25*3-0**	30.48	32.15	35.19	36.71

TP1271 SERIES

1.27mm Pitch Board To Board Connector

Unit : mm

Wafer

Receptacle-Type

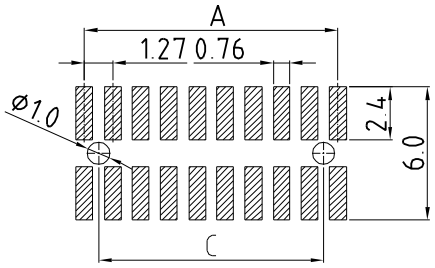
Features

Available Number of Circuits: 2x02~2x30

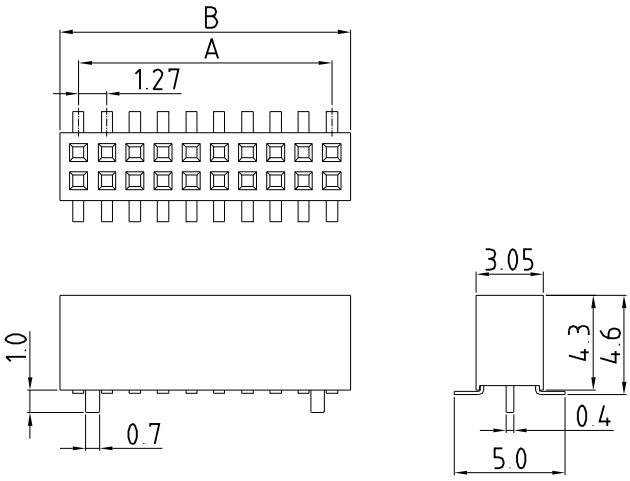
Material: High-Temperature Thermoplastic, UL94-V0

Contact: 0.15mm(.006") Copper Alloy, Gold plated

Mates with : TP1271 Series Dual Row Header-Type



P.C.B LAYOUT

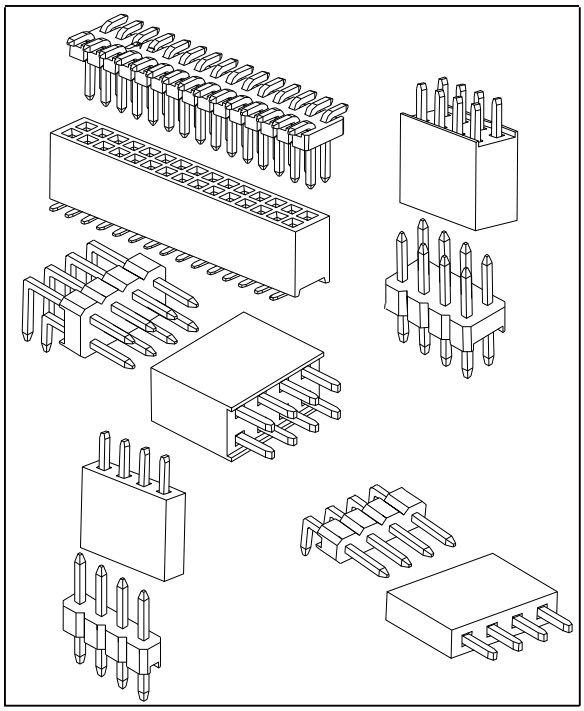


Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
4	TP1271RVP-2x02*3-0F1	1.27	2.94	–
6	TP1271RVP-2x03*3-0F1	2.54	4.21	1.27
8	TP1271RVP-2x04*3-0F1	3.81	5.48	2.54
10	TP1271RVP-2x05*3-0F1	5.08	6.75	3.81
12	TP1271RVP-2x06*3-0F1	6.35	8.02	5.08
14	TP1271RVP-2x07*3-0F1	7.62	9.29	6.35
16	TP1271RVP-2x08*3-0F1	8.89	10.56	7.62
18	TP1271RVP-2x09*3-0F1	10.16	11.83	8.89
20	TP1271RVP-2x10*3-0F1	11.43	13.10	10.16
22	TP1271RVP-2x11*3-0F1	12.70	14.37	11.43
24	TP1271RVP-2x12*3-0F1	13.97	15.64	12.70
26	TP1271RVP-2x13*3-0F1	15.24	16.91	13.97
28	TP1271RVP-2x14*3-0F1	16.51	18.18	15.24
30	TP1271RVP-2x15*3-0F1	17.78	19.45	16.51
≀	≀	≀	≀	≀
58	TP1271RVP-2x29*3-0F1	35.56	37.23	34.29
60	TP1271RVP-2x30*3-0F1	36.83	38.50	35.56

TP/TU2003 SERIES

2.00mm Pitch Board To Board Connector

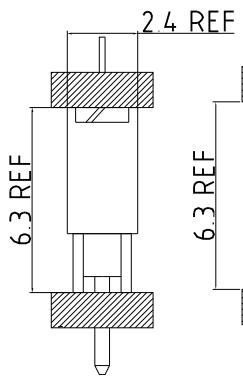


Specification

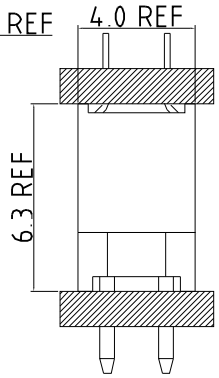
Circuits	1x02-1x40, 2x04-2x25
Pitch	2.00mm
Current Rating	2A AC/DC
Voltage Rating	100V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	800V AC/minute
Insulation Resistance	1000MΩ MIN.
Temperature Range	-25°C - +85°C

Assembly Layout

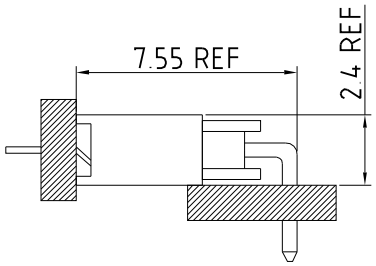
Vertical Type Single Row



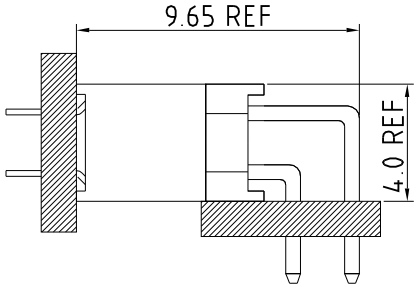
Vertical Type Dual Row



Right Angle Type Single Row



Right Angle Type Dual Row



Part No. 1 TU2003 * - * x NP * (① ② ③ ④)

Part No. 2 TP2003 * - * x NP * * - * * * (① ② ③ ④ ⑤ ⑥)

① Part No. TU/TP2003	④ Mount Type (Part No. 1)A: A-Type Wafer (Part No. 1)B: A-Type Wafer (Part No. 2)Packing code serial number 1,2,3...0 Type A,B...Z Type	⑥ Contact Plating Code 0: Gold flash plated
② Connection Type: WNV : Vertical Wafer WNR : Right Angle Wafer RVP : Vertical Receptacle-Type RVR : Right Angle Receptacle-Type	⑤ High plastic Type 1 : 4.3mm F : 4.3mm With Post	
③ Number of Contacts: 1xNP : Single row 2xNP : Dual row		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TP/TU2003 SERIES

2.00mm Pitch Board To Board Connector

Unit : mm

Wafer Single Row A-TYPE

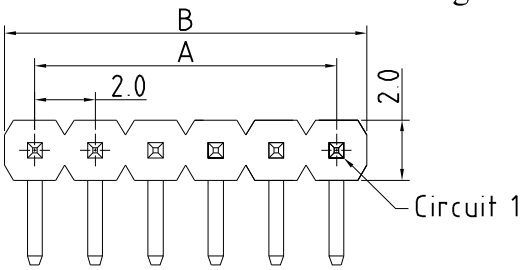
Features

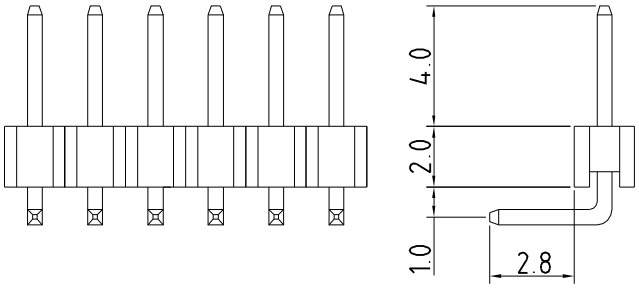
Available Number of Circuits : 1x02 - 1x40

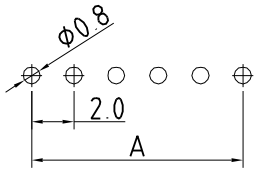
Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.5mm(.020") Copper Alloy, Gold-flash

Mates with : TU2003 Series Single Row Housing







P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2003WNR-1x02A-*-*	2.00	3.75
3	TU2003WNR-1x03A-*-*	4.00	5.75
4	TU2003WNR-1x04A-*-*	6.00	7.75
5	TU2003WNR-1x05A-*-*	8.00	9.75
6	TU2003WNR-1x06A-*-*	10.00	11.75
7	TU2003WNR-1x07A-*-*	12.00	13.75
8	TU2003WNR-1x08A-*-*	14.00	15.75
9	TU2003WNR-1x09A-*-*	16.00	17.75
10	TU2003WNR-1x10A-*-*	18.00	19.75
11	TU2003WNR-1x11A-*-*	20.00	21.75
12	TU2003WNR-1x12A-*-*	22.00	23.75
13	TU2003WNR-1x13A-*-*	24.00	25.75
14	TU2003WNR-1x14A-*-*	26.00	27.75
15	TU2003WNR-1x15A-*-*	28.00	29.75
16	TU2003WNR-1x16A-*-*	30.00	31.75
17	TU2003WNR-1x17A-*-*	32.00	33.75
18	TU2003WNR-1x18A-*-*	34.00	35.75
≀			
39	TU2003WNR-1x39A-*-*	76.00	77.75
40	TU2003WNR-1x40A-*-*	78.00	79.75

Wafer Dual Row B-TYPE

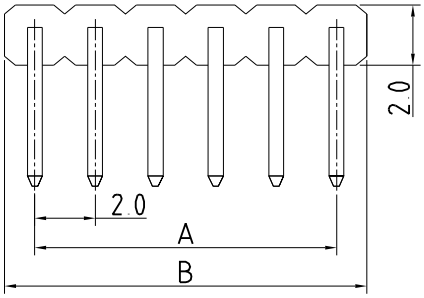
Features

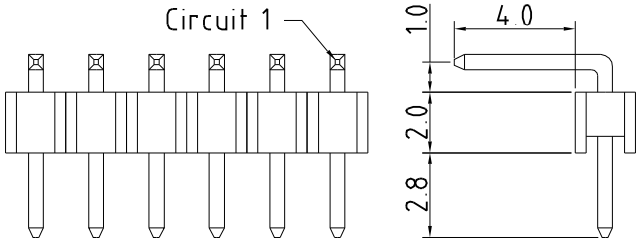
Available Number of Circuits : 1x02 - 1x40

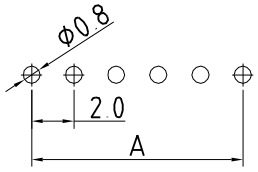
Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.5mm(.020") Copper Alloy, Gold-flash

Mates with : TU2003 Series Single Row Housing







P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2003WNR-1x02B-*-*	2.00	3.75
3	TU2003WNR-1x03B-*-*	4.00	5.75
4	TU2003WNR-1x04B-*-*	6.00	7.75
5	TU2003WNR-1x05B-*-*	8.00	9.75
6	TU2003WNR-1x06B-*-*	10.00	11.75
7	TU2003WNR-1x07B-*-*	12.00	13.75
8	TU2003WNR-1x08B-*-*	14.00	15.75
9	TU2003WNR-1x09B-*-*	16.00	17.75
10	TU2003WNR-1x10B-*-*	18.00	19.75
11	TU2003WNR-1x11B-*-*	20.00	21.75
12	TU2003WNR-1x12B-*-*	22.00	23.75
13	TU2003WNR-1x13B-*-*	24.00	25.75
14	TU2003WNR-1x14B-*-*	26.00	27.75
15	TU2003WNR-1x15B-*-*	28.00	29.75
16	TU2003WNR-1x16B-*-*	30.00	31.75
17	TU2003WNR-1x17B-*-*	32.00	33.75
18	TU2003WNR-1x18B-*-*	34.00	35.75
≀			
39	TU2003WNR-1x39B-*-*	76.00	77.75
40	TU2003WNR-1x40B-*-*	78.00	79.75

TP/TU2003 SERIES

2.00mm Pitch Board To Board Connector

Unit : mm

Wafer Single Row Vertical

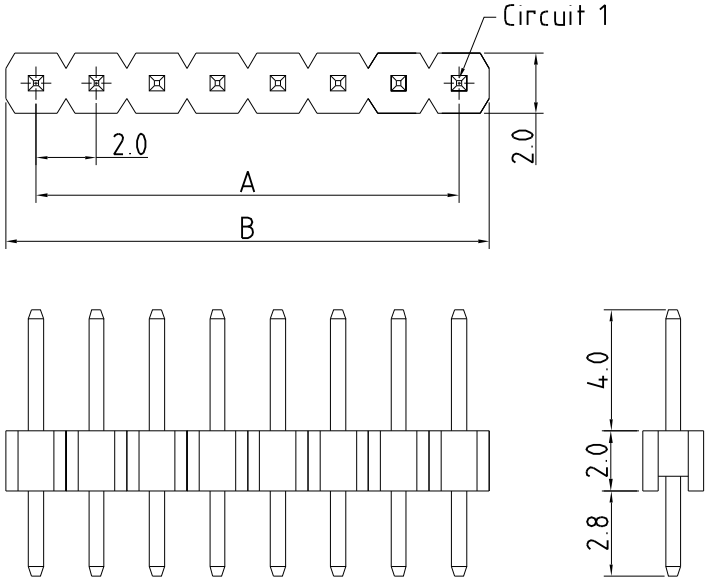
Features

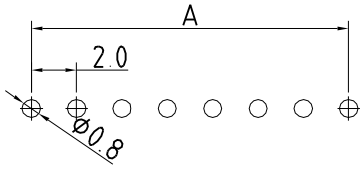
Available Number of Circuits : 02 - 40

Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.5mm(.020") Copper Alloy, Gold-flash

Mates with : TU2003 Series Single Row Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU2003WNV-1x02-*-*	2.00	3.75
3	TU2003WNV-1x03-*-*	4.00	5.75
4	TU2003WNV-1x04-*-*	6.00	7.75
5	TU2003WNV-1x05-*-*	8.00	9.75
6	TU2003WNV-1x06-*-*	10.00	11.75
7	TU2003WNV-1x07-*-*	12.00	13.75
8	TU2003WNV-1x08-*-*	14.00	15.75
9	TU2003WNV-1x09-*-*	16.00	17.75
10	TU2003WNV-1x10-*-*	18.00	19.75
11	TU2003WNV-1x11-*-*	20.00	21.75
12	TU2003WNV-1x12-*-*	22.00	23.75
13	TU2003WNV-1x13-*-*	24.00	25.75
14	TU2003WNV-1x14-*-*	26.00	27.75
15	TU2003WNV-1x15-*-*	28.00	29.75
16	TU2003WNV-1x16-*-*	30.00	31.75
17	TU2003WNV-1x17-*-*	32.00	33.75
18	TU2003WNV-1x18-*-*	34.00	35.75
≀			
39	TU2003WNV-1x39-*-*	76.00	77.75
40	TU2003WNV-1x40-*-*	78.00	79.75

Wafer Dual Row A-TYPE

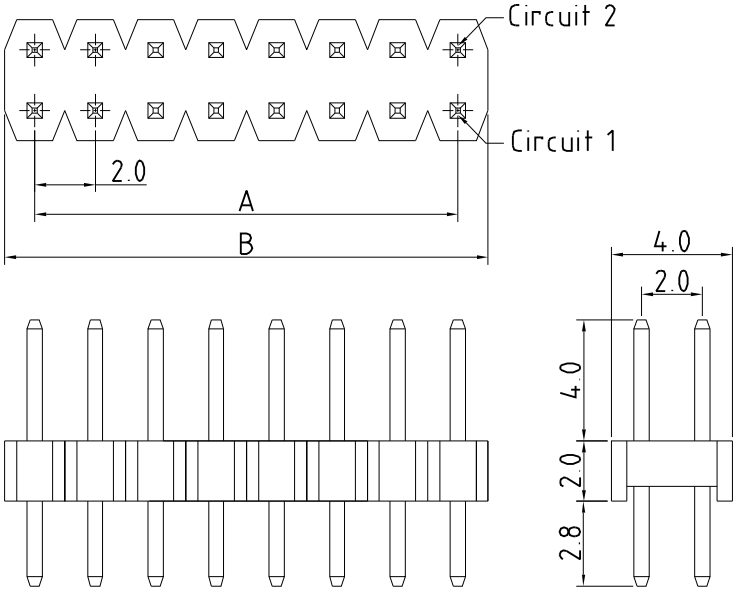
Features

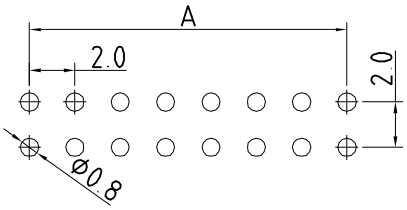
Available Number of Circuits : 2x02 - 2x40

Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.5mm(.020") Copper Alloy, Gold-flash

Mates with : TU2003 Series Dual Row Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2003WNV-2x02-*-*	2.00	3.75
6	TU2003WNV-2x03-*-*	4.00	5.75
8	TU2003WNV-2x04-*-*	6.00	7.75
10	TU2003WNV-2x05-*-*	8.00	9.75
12	TU2003WNV-2x06-*-*	10.00	11.75
14	TU2003WNV-2x07-*-*	12.00	13.75
16	TU2003WNV-2x08-*-*	14.00	15.75
18	TU2003WNV-2x09-*-*	16.00	17.75
20	TU2003WNV-2x10-*-*	18.00	19.75
22	TU2003WNV-2x11-*-*	20.00	21.75
24	TU2003WNV-2x12-*-*	22.00	23.75
26	TU2003WNV-2x13-*-*	24.00	25.75
28	TU2003WNV-2x14-*-*	26.00	27.75
30	TU2003WNV-2x15-*-*	28.00	29.75
32	TU2003WNV-2x16-*-*	30.00	31.75
34	TU2003WNV-2x17-*-*	32.00	33.75
36	TU2003WNV-2x18-*-*	34.00	35.75
≀			
78	TU2003WNV-2x39-*-*	76.00	77.75
80	TU2003WNV-2x40-*-*	78.00	79.75

TP/TU2003 SERIES

2.00mm Pitch Board To Board Connector

Unit : mm

Wafer Dual Row A-TYPE

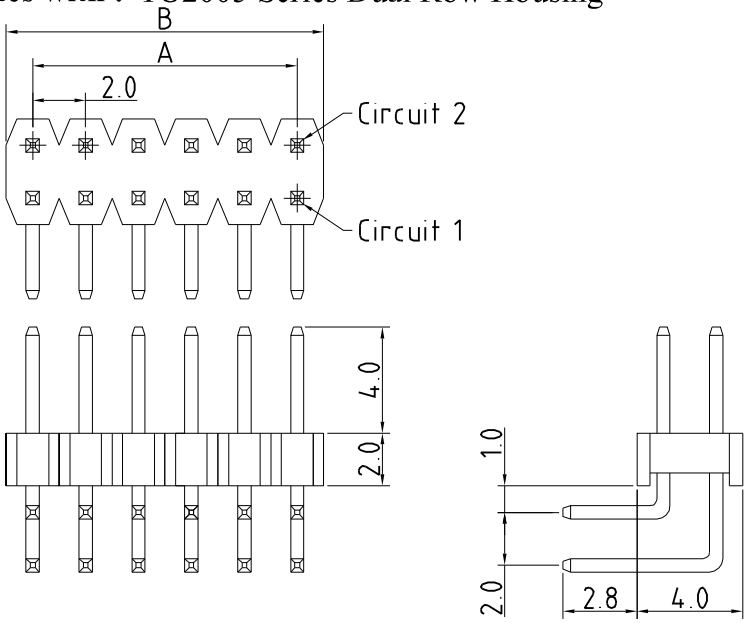
Features

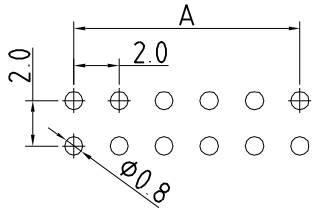
Available Number of Circuits : 2x02 - 2x40

Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.5mm(.020") Copper Alloy, Gold-flash

Mates with : TU2003 Series Dual Row Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2003WNR-2x02A	2.00	3.75
6	TU2003WNR-2x03A	4.00	5.75
8	TU2003WNR-2x04A	6.00	7.75
10	TU2003WNR-2x05A	8.00	9.75
12	TU2003WNR-2x06A	10.00	11.75
14	TU2003WNR-2x07A	12.00	13.75
16	TU2003WNR-2x08A	14.00	15.75
18	TU2003WNR-2x09A	16.00	17.75
20	TU2003WNR-2x10A	18.00	19.75
22	TU2003WNR-2x11A	20.00	21.75
24	TU2003WNR-2x12A	22.00	23.75
26	TU2003WNR-2x13A	24.00	25.75
28	TU2003WNR-2x14A	26.00	27.75
30	TU2003WNR-2x15A	28.00	29.75
32	TU2003WNR-2x16A	30.00	31.75
34	TU2003WNR-2x17A	32.00	33.75
36 ~ 78	TU2003WNR-2x18A ~ TU2003WNR-2x39A	34.00 ~ 76.00	35.75 ~ 77.75
80	TU2003WNR-2x40A	78.00	80.00

Wafer Dual Row B-TYPE

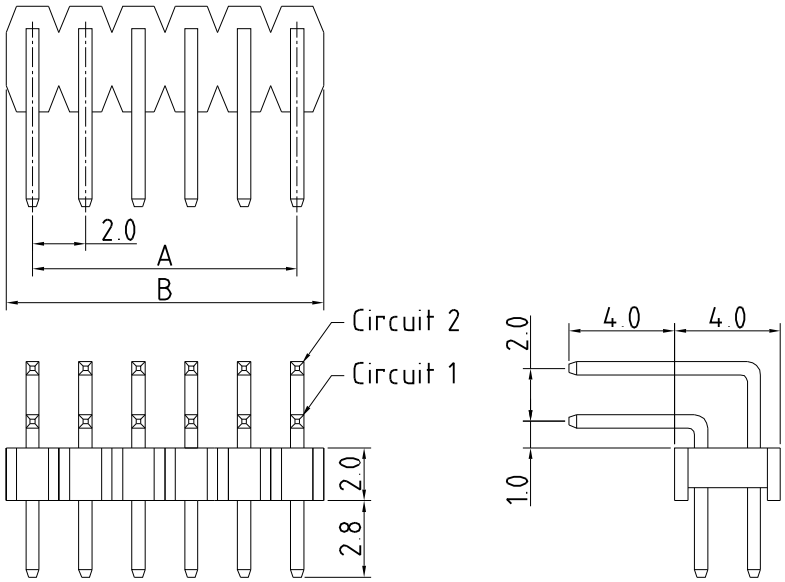
Features

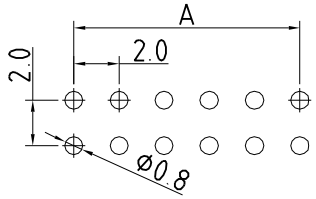
Available Number of Circuits : 2x02 - 2x40

Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.5mm(.020") Copper Alloy, Tin-plated

Mates with : TU2003 Series Dual Row Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU2003WNR-2x02B	2.00	3.75
6	TU2003WNR-2x03B	4.00	5.75
8	TU2003WNR-2x04B	6.00	7.75
10	TU2003WNR-2x05B	8.00	9.75
12	TU2003WNR-2x06B	10.00	11.75
14	TU2003WNR-2x07B	12.00	13.75
16	TU2003WNR-2x08B	14.00	15.75
18	TU2003WNR-2x09B	16.00	17.75
20	TU2003WNR-2x10B	18.00	19.75
22	TU2003WNR-2x11B	20.00	21.75
24	TU2003WNR-2x12B	22.00	23.75
26	TU2003WNR-2x13B	24.00	25.75
28	TU2003WNR-2x14B	26.00	27.75
30	TU2003WNR-2x15B	28.00	29.75
32	TU2003WNR-2x16B	30.00	31.75
34	TU2003WNR-2x17B	32.00	33.75
36 ~ 78	TU2003WNR-2x18B ~ TU2003WNR-2x39B	34.00 ~ 76.00	35.75 ~ 77.75
80	TU2003WNR-2x40B	78.00	80.00

TP/TU2003 SERIES

2.00mm Pitch Board To Board Connector

Unit : mm

Wafer Single Row Vertical Receptacle-Type

Features

Available Number of Circuits : 1x02 - 1x25

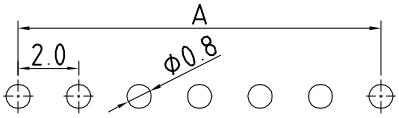
Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.20mm(.008") Copper Alloy, Gold plated

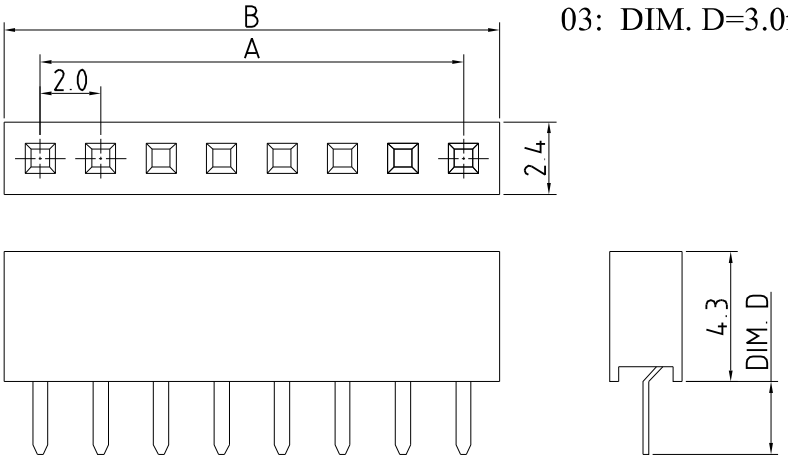
Mates with : TU2003 Series Single Row Header-Type

Part No. : TP2003RVP-1xNP*1-0 **

02: DIM. D=2.4mm
03: DIM. D=3.0mm



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TP2003RVP-1x02*1-0**	2.00	4.40
3	TP2003RVP-1x03*1-0**	4.00	6.40
4	TP2003RVP-1x04*1-0**	6.00	8.40
5	TP2003RVP-1x05*1-0**	8.00	10.40
6	TP2003RVP-1x06*1-0**	10.00	12.40
7	TP2003RVP-1x07*1-0**	12.00	14.40
8	TP2003RVP-1x08*1-0**	14.00	16.40
9	TP2003RVP-1x09*1-0**	16.00	18.40
10	TP2003RVP-1x10*1-0**	18.00	20.40
≀	≀	≀	≀
24	TP2003RVP-1x24*1-0**	46.00	48.40
25	TP2003RVP-1x25*1-0**	48.00	50.40

Wafer Single Row Right Angle Receptacle-Type

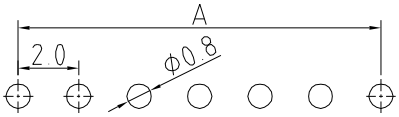
Features

Available Number of Circuits : 1x02 - 1x40

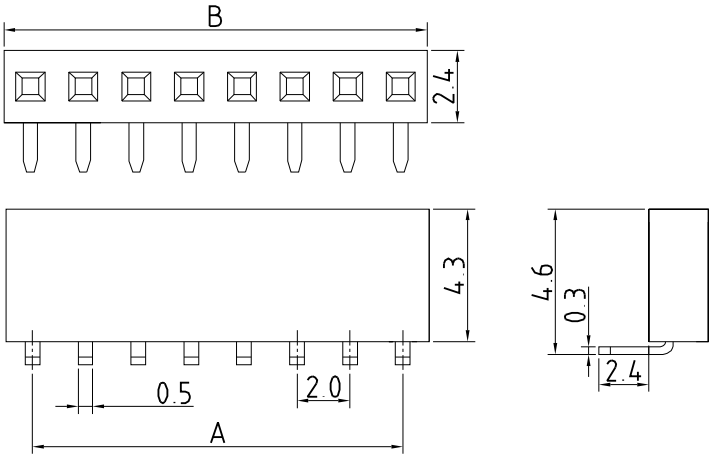
Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.30mm(.012") Copper Alloy, Gold plated

Mates with : TU2003 Series Single Row Header-Type



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TP2003RVR-1x02*1-005	2.00	4.40
3	TP2003RVR-1x03*1-005	4.00	6.40
4	TP2003RVR-1x04*1-005	6.00	8.40
5	TP2003RVR-1x05*1-005	8.00	10.40
6	TP2003RVR-1x06*1-005	10.00	12.40
7	TP2003RVR-1x07*1-005	12.00	14.40
8	TP2003RVR-1x08*1-005	14.00	16.40
9	TP2003RVR-1x09*1-005	16.00	18.40
10	TP2003RVR-1x10*1-005	18.00	20.40
≀	≀	≀	≀
39	TP2003RVR-1x39*1-005	76.00	78.40
40	TP2003RVR-1x40*1-005	78.00	80.40

TP/TU2003 SERIES

2.00mm Pitch Board To Board Connector

Unit : mm

Wafer Single Row Vertical Receptacle-Type

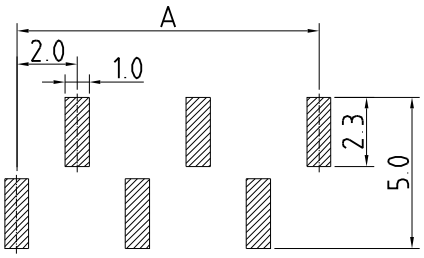
Features

Available Number of Circuits : 03 - 25

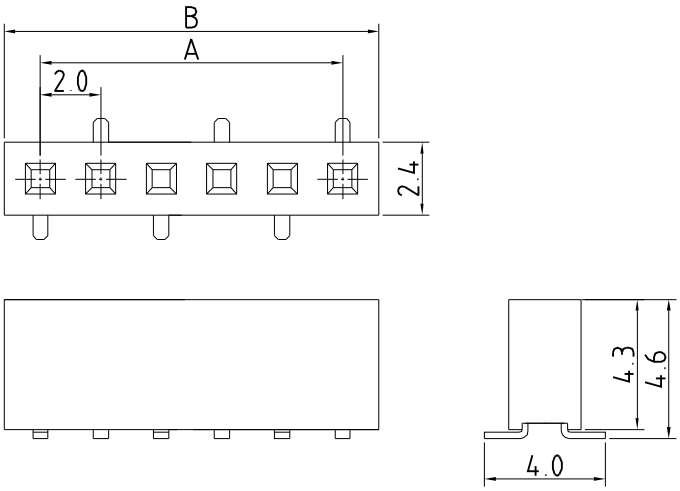
Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.20mm(.008") Copper Alloy, Gold plated

Mates with : TU2003 Series Single Row Header-Type



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
3	TP2003RVP-1x03*1-004	4.00	6.40
4	TP2003RVP-1x04*1-004	6.00	8.40
5	TP2003RVP-1x05*1-004	8.00	10.40
6	TP2003RVP-1x06*1-004	10.00	12.40
7	TP2003RVP-1x07*1-004	12.00	14.40
8	TP2003RVP-1x08*1-004	14.00	16.40
9	TP2003RVP-1x09*1-004	16.00	18.40
10	TP2003RVP-1x10*1-004	18.00	20.40
≀	≀		
24	TP2003RVP-1x24*1-004	46.00	48.40
25	TP2003RVP-1x25*1-004	48.00	50.40

Wafer Dual Row Vertical Receptacle-Type

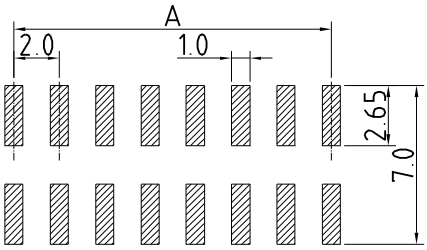
Features

Available Number of Circuits : 2x02 - 2x40

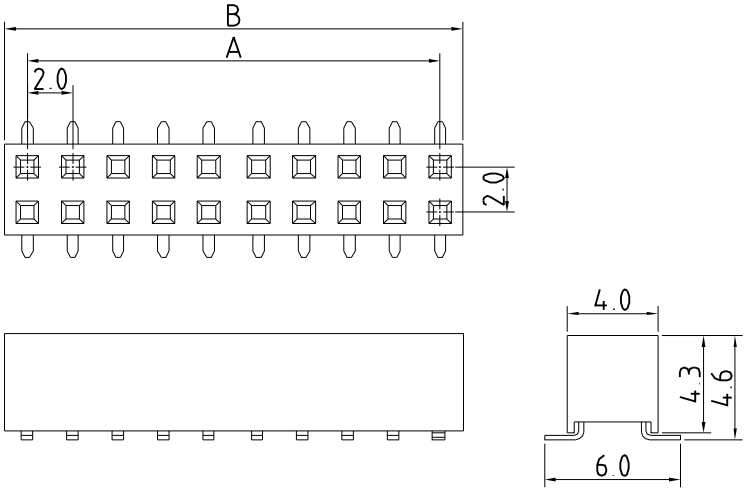
Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.20mm(.008") Copper Alloy, Gold plated

Mates with : TU2003 Series Dual Row Header-Type



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TP2003RVP-2x02*1-004	2.00	4.40
6	TP2003RVP-2x03*1-004	4.00	6.40
8	TP2003RVP-2x04*1-004	6.00	8.40
10	TP2003RVP-2x05*1-004	8.00	10.40
12	TP2003RVP-2x06*1-004	10.00	12.40
14	TP2003RVP-2x07*1-004	12.00	14.40
16	TP2003RVP-2x08*1-004	14.00	16.40
18	TP2003RVP-2x09*1-004	16.00	18.40
20	TP2003RVP-2x10*1-004	18.00	20.40
≀	≀		
78	TP2003RVP-2x39*1-004	76.00	78.40
80	TP2003RVP-2x40*1-004	78.00	80.40

TP/TU2003 SERIES

2.00mm Pitch Board To Board Connector

Unit : mm

Wafer Dual Row Vertical Receptacle-Type

Features

Available Number of Circuits : 2x02 - 2x40

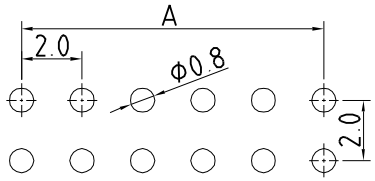
Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.20mm(.008") Copper Alloy, Gold plated

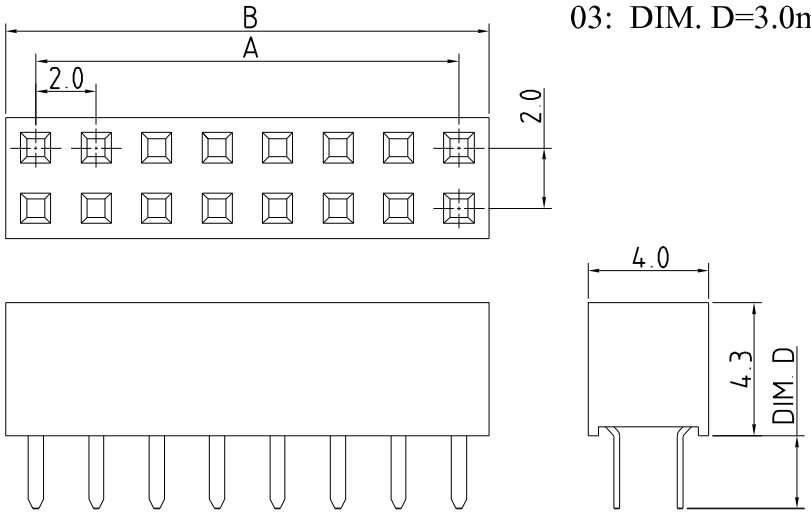
Mates with : TU2003 Series Dual Row Header-Type

Part No. : TP2003RVP-2xNP*1-0 **

02: DIM. D=2.4mm
03: DIM. D=3.0mm



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TP2003RVP-2x02*1-0**	2.00	4.40
6	TP2003RVP-2x03*1-0**	4.00	6.40
8	TP2003RVP-2x04*1-0**	6.00	8.40
10	TP2003RVP-2x05*1-0**	8.00	10.40
12	TP2003RVP-2x06*1-0**	10.00	12.40
14	TP2003RVP-2x07*1-0**	12.00	14.40
16	TP2003RVP-2x08*1-0**	14.00	16.40
18	TP2003RVP-2x09*1-0**	16.00	18.40
20	TP2003RVP-2x10*1-0**	18.00	20.40
≀	≀	≀	≀
78	TP2003RVP-2x39*1-0**	76.00	78.40
80	TP2003RVP-2x40*1-0**	78.00	80.40

Wafer Dual Row Right Angle Receptacle-Type

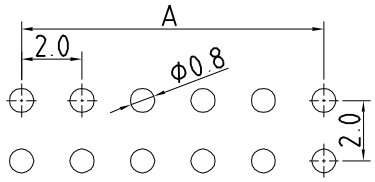
Features

Available Number of Circuits : 2x02 - 2x40

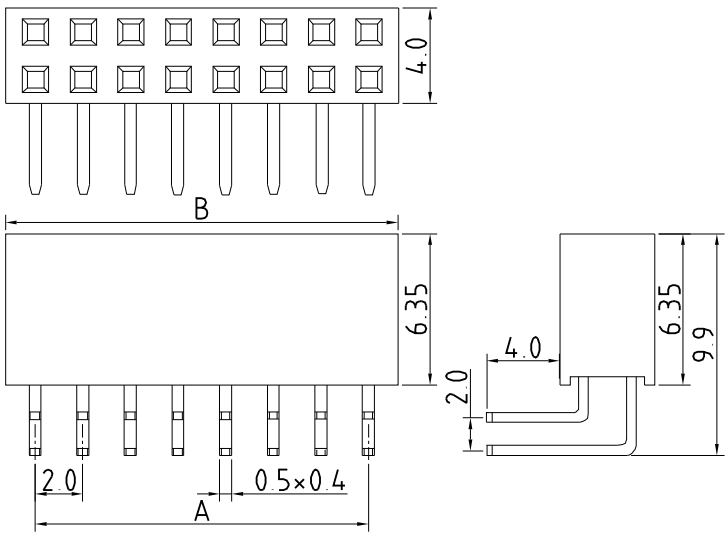
Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.50mm(.020") Copper Alloy, Gold plated

Mates with : TU2003 Series Dual Row Header-Type



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TP2003RVR-2x02*2-001	2.00	4.50
6	TP2003RVR-2x03*2-001	4.00	6.50
8	TP2003RVR-2x04*2-001	6.00	8.50
10	TP2003RVR-2x05*2-001	8.00	10.50
12	TP2003RVR-2x06*2-001	10.00	12.50
14	TP2003RVR-2x07*2-001	12.00	14.50
16	TP2003RVR-2x08*2-001	14.00	16.50
18	TP2003RVR-2x09*2-001	16.00	18.50
20	TP2003RVR-2x10*2-001	18.00	20.50
≀	≀	≀	≀
78	TP2003RVR-2x39*2-001	76.00	78.50
80	TP2003RVR-2x40*2-001	78.00	80.50

TP/TU2003 SERIES

2.00mm Pitch Board To Board Connector

Unit : mm

Wafer

Dual Row Vertical Receptacle-Type

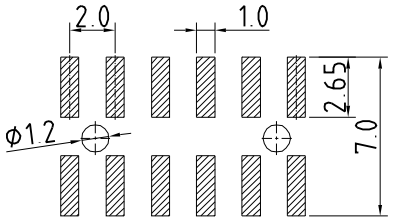
Features

Available Number of Circuits : 2x02 - 2x40

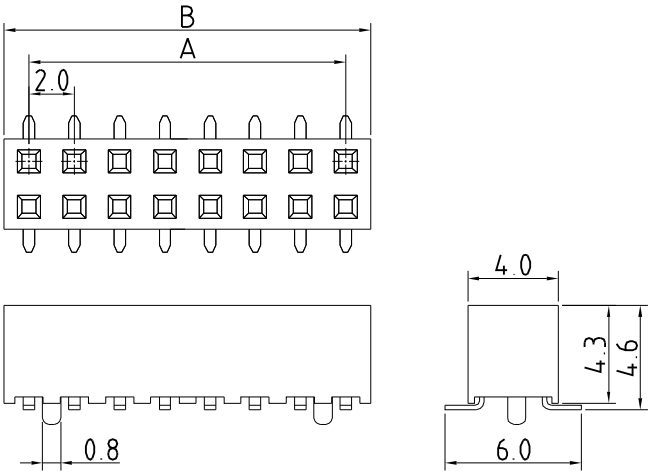
Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.20mm(.008") Copper Alloy, Gold plated

Mates with : TU2003 Series Dual Row Header-Type



P.C.B LAYOUT

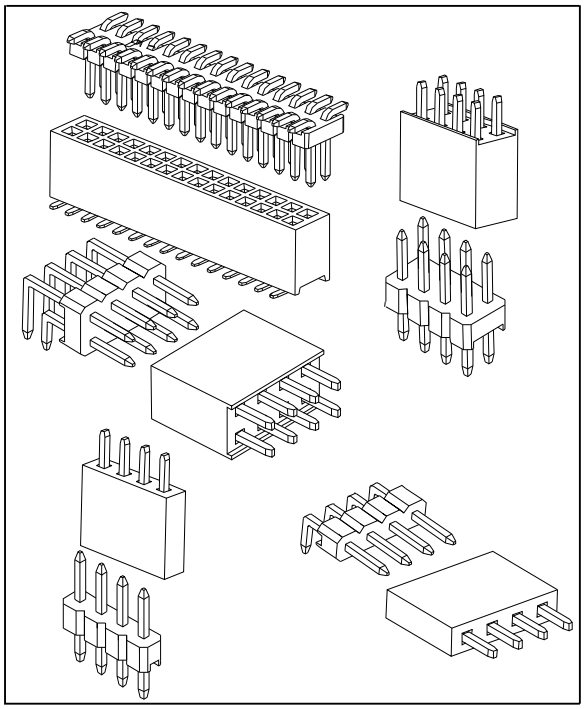


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TP2003RVP-2x02*F-002	2.00	4.20
6	TP2003RVP-2x03*F-002	4.00	6.20
8	TP2003RVP-2x04*F-002	6.00	8.20
10	TP2003RVP-2x05*F-002	8.00	10.20
12	TP2003RVP-2x06*F-002	10.00	12.20
14	TP2003RVP-2x07*F-002	12.00	14.20
16	TP2003RVP-2x08*F-002	14.00	16.20
18	TP2003RVP-2x09*F-002	16.00	18.20
20	TP2003RVP-2x10*F-002	18.00	20.20
≀	≀		
78	TP2003RVP-2x39*F-002	76.00	78.20
80	TP2003RVP-2x40*F-002	78.00	80.20

TP/TU5005 SERIES

2.54mm Pitch Board To Board Connector

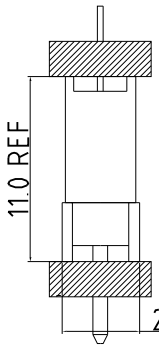


Specification

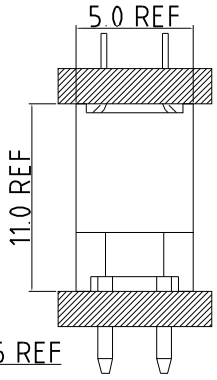
Circuits	1x02-1x40 , 2x04-2x40
Pitch	2.54mm
Current Rating	3A AC/DC
Voltage Rating	125V AC/DC
Contact Resistance	20mΩ MAX.
Withstand Voltage	800V AC/minute
Insulation Resistance	1000MΩ MIN.
Temperature Range	-25°C - +85°C

Assembly Layout

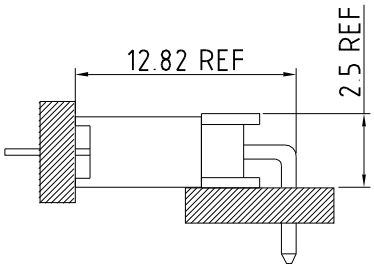
Vertical Type Single Row



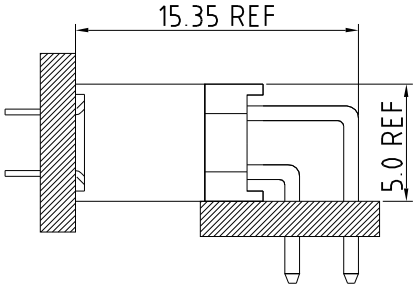
Vertical Type Dual Row



Right Angle Type Single Row



Right Angle Type Dual Row



Part No. 1 TU5005 ① * ② - * x NP ③ * ④

Part No. 2 TP5005 ① * ② - * x NP ③ * ④ * ⑤ -* ⑥ * *

① Part No. TU/TP5005

② Connection Type:
WNV : Vertical Wafer
WNR : Right Angle Wafer
RVP : Vertical Receptacle-Type

③ Number of Contacts:
1xNP : Single row
2xNP : Dual row

④ Mount Type
(Part No. 1)A: A-Type Wafer
(Part No. 1)B: A-Type Wafer
(Part No. 1)S : SMT-Type Wafer
(Part No. 1)SF : SMT-Type Wafer With Post
(Part No. 2)Packing code serial number
1,2,3...0 Type
A,B...Z Type

⑤ High plastic Type
1 : 7.1mm
2 : 8.5mm
3 : 5.0mm

⑥ Contact Plating Code
0: Gold flash plated

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TP/TU5005 SERIES

2.54mm Pitch Board To Board Connector

Unit : mm

Wafer Single Row Vertical

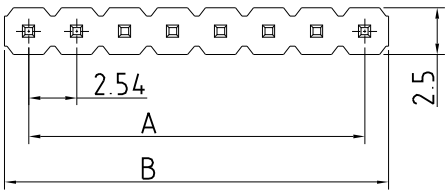
Features

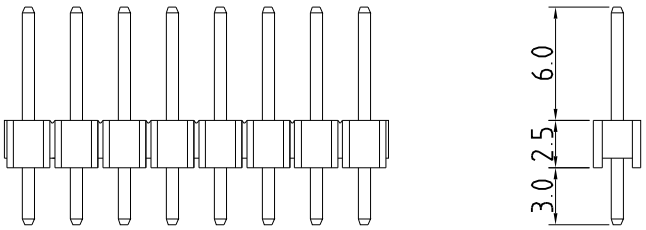
Available Number of Circuits : 1x02 - 1x40

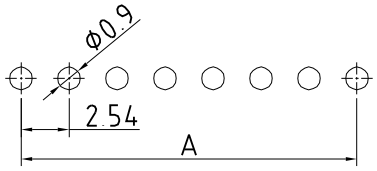
Material : High Temperature Thermoplastic 94V-0 or Regular Thermoplastic 94V-0

Contact: 0.64mm(.025") Copper Alloy, Gold-flash

Mates with : TU5005 Series Single Row Housing







P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5005WNV-1x02-*-*	2.54	4.83
3	TU5005WNV-1x03-*-*	5.08	7.37
4	TU5005WNV-1x04-*-*	7.62	9.91
5	TU5005WNV-1x05-*-*	10.16	12.45
6	TU5005WNV-1x06-*-*	12.70	14.99
7	TU5005WNV-1x07-*-*	15.24	17.53
8	TU5005WNV-1x08-*-*	17.78	20.07
9	TU5005WNV-1x09-*-*	20.32	22.61
10	TU5005WNV-1x10-*-*	22.86	25.15
11	TU5005WNV-1x11-*-*	25.40	27.69
12	TU5005WNV-1x12-*-*	27.94	30.23
13	TU5005WNV-1x13-*-*	30.48	32.77
14	TU5005WNV-1x14-*-*	33.02	35.31
15	TU5005WNV-1x15-*-*	35.56	37.85
16	TU5005WNV-1x16-*-*	38.10	40.39
17	TU5005WNV-1x17-*-*	40.64	42.93
18	TU5005WNV-1x18-*-*	43.18	45.47
≀			
39	TU5005WNV-1x39-*-*	96.52	98.81
40	TU5005WNV-1x40-*-*	99.06	101.35

Wafer Dual Row Vertical

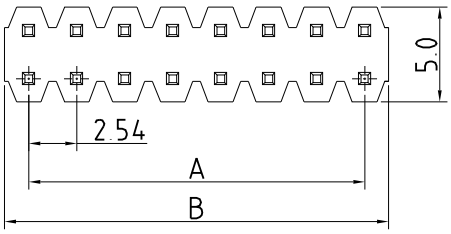
Features

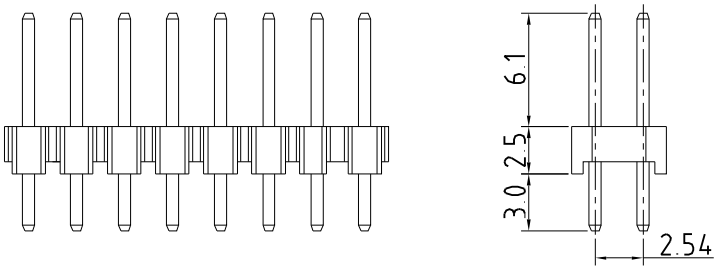
Available Number of Circuits : 2x02 - 2x40

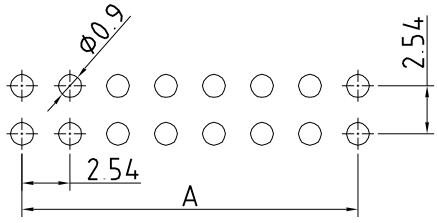
Material : High Temperature Thermoplastic 94V-0 or Regular Thermoplastic 94V-0

Contact: 0.64mm(.025") Copper Alloy, Gold-flash

Mates with : TU5005 Series Dual Row Housing







P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU5005WNV-2x02-*-*	2.54	4.83
6	TU5005WNV-2x03-*-*	5.08	7.37
8	TU5005WNV-2x04-*-*	7.62	9.91
10	TU5005WNV-2x05-*-*	10.16	12.45
12	TU5005WNV-2x06-*-*	12.70	14.99
14	TU5005WNV-2x07-*-*	15.24	17.53
16	TU5005WNV-2x08-*-*	17.78	20.07
18	TU5005WNV-2x09-*-*	20.32	22.61
20	TU5005WNV-2x10-*-*	22.86	25.15
22	TU5005WNV-2x11-*-*	25.40	27.69
24	TU5005WNV-2x12-*-*	27.94	30.23
26	TU5005WNV-2x13-*-*	30.48	32.77
28	TU5005WNV-2x14-*-*	33.02	35.31
30	TU5005WNV-2x15-*-*	35.56	37.85
32	TU5005WNV-2x16-*-*	38.10	40.39
34	TU5005WNV-2x17-*-*	40.64	42.93
36	TU5005WNV-2x18-*-*	43.18	45.47
≀			
78	TU5005WNV-2x39-*-*	96.52	98.81
80	TU5005WNV-2x40-*-*	99.06	101.35

TP/TU5005 SERIES

2.54mm Pitch Board To Board Connector

Unit : mm

Wafer — Single Row Right Angle

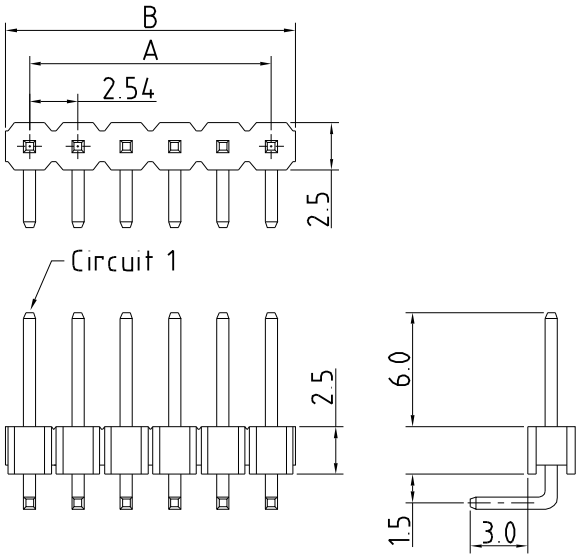
Features

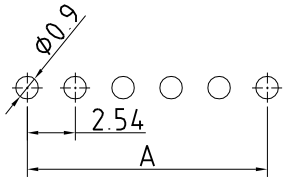
Available Number of Circuits : 1x02 - 1x40

Material : High Temperature Thermoplastic 94V-0 or Regular Thermoplastic 94V-0

Contact: 0.64mm(.025") Copper Alloy, Gold-flash

Mates with : TU5005 Series Single Row Housing





P.C.B LAYPUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5005WNR-1x02A-*-*	2.54	4.83
3	TU5005WNR-1x03A-*-*	5.08	7.37
4	TU5005WNR-1x04A-*-*	7.62	9.91
5	TU5005WNR-1x05A-*-*	10.16	12.45
6	TU5005WNR-1x06A-*-*	12.70	14.99
7	TU5005WNR-1x07A-*-*	15.24	17.53
8	TU5005WNR-1x08A-*-*	17.78	20.07
9	TU5005WNR-1x09A-*-*	20.32	22.61
10	TU5005WNR-1x10A-*-*	22.86	25.15
11	TU5005WNR-1x11A-*-*	25.40	27.69
12	TU5005WNR-1x12A-*-*	27.94	30.23
13	TU5005WNR-1x13A-*-*	30.48	32.77
14	TU5005WNR-1x14A-*-*	33.02	35.31
15	TU5005WNR-1x15A-*-*	35.56	37.85
16	TU5005WNR-1x16A-*-*	38.10	40.39
17	TU5005WNR-1x17A-*-*	40.64	42.93
18	TU5005WNR-1x18A-*-*	43.18	45.47
≀			
39	TU5005WNR-1x39A-*-*	96.52	98.81
40	TU5005WNR-1x40A-*-*	99.06	101.35

Wafer — Single Row Right Angle

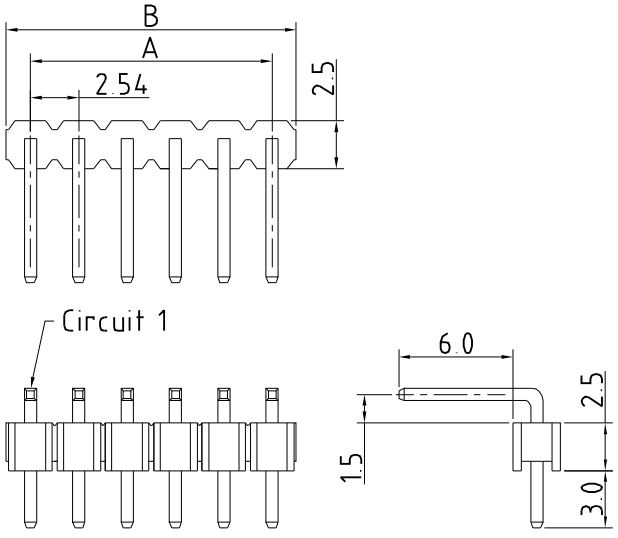
Features

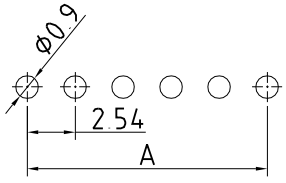
Available Number of Circuits : 1x02 - 1x40

Material : High Temperature Thermoplastic 94V-0 or Regular Thermoplastic 94V-0

Contact: 0.64mm(.025") Copper Alloy, Gold-flash

Mates with : TU5005 Series Single Row Housing





P.C.B LAYPUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TU5005WNR-1x02B-*-*	2.54	4.83
3	TU5005WNR-1x03B-*-*	5.08	7.37
4	TU5005WNR-1x04B-*-*	7.62	9.91
5	TU5005WNR-1x05B-*-*	10.16	12.45
6	TU5005WNR-1x06B-*-*	12.70	14.99
7	TU5005WNR-1x07B-*-*	15.24	17.53
8	TU5005WNR-1x08B-*-*	17.78	20.07
9	TU5005WNR-1x09B-*-*	20.32	22.61
10	TU5005WNR-1x10B-*-*	22.86	25.15
11	TU5005WNR-1x11B-*-*	25.40	27.69
12	TU5005WNR-1x12B-*-*	27.94	30.23
13	TU5005WNR-1x13B-*-*	30.48	32.77
14	TU5005WNR-1x14B-*-*	33.02	35.31
15	TU5005WNR-1x15B-*-*	35.56	37.85
16	TU5005WNR-1x16B-*-*	38.10	40.39
17	TU5005WNR-1x17B-*-*	40.64	42.93
18	TU5005WNR-1x18B-*-*	43.18	45.47
≀			
39	TU5005WNR-1x39B-*-*	96.52	98.81
40	TU5005WNR-1x40B-*-*	99.06	101.35

TP/TU5005 SERIES

2.54mm Pitch Board To Board Connector

Unit : mm

Wafer Dual Row A-TYPE

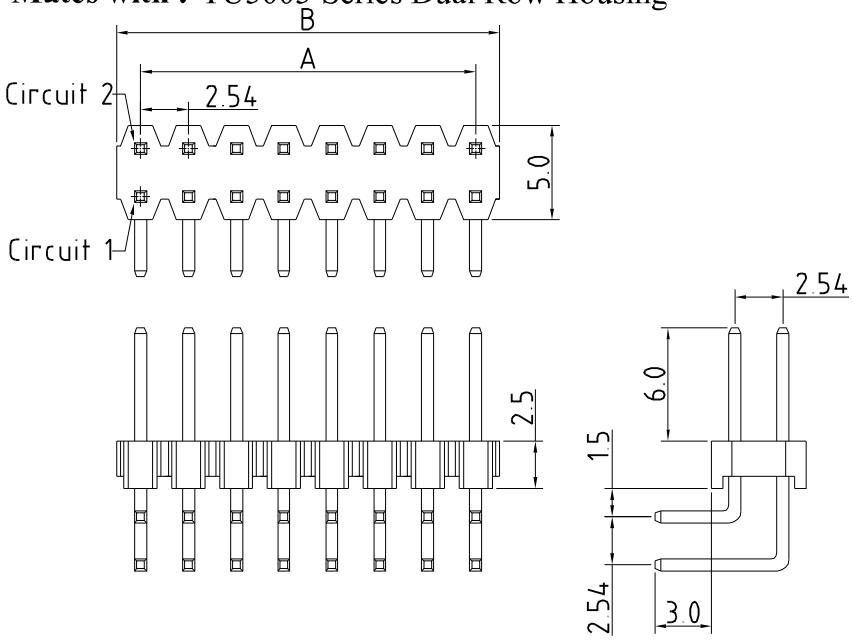
Features

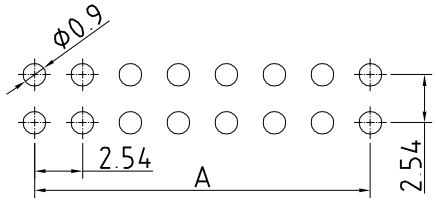
Available Number of Circuits : 2x02 - 2x40

Material : High Temperature Thermoplastic 94V-0 or Regular Thermoplastic 94V-0

Contact: 0.64mm(.025") Copper Alloy, Gold-flash

Mates with : TU5005 Series Dual Row Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU5005WNR-2x02A	2.54	4.83
6	TU5005WNR-2x03A	5.08	7.37
8	TU5005WNR-2x04A	7.62	9.91
10	TU5005WNR-2x05A	10.16	12.45
12	TU5005WNR-2x06A	12.70	14.99
14	TU5005WNR-2x07A	15.24	17.53
16	TU5005WNR-2x08A	17.78	20.07
18	TU5005WNR-2x09A	20.32	22.61
20	TU5005WNR-2x10A	22.86	25.15
22	TU5005WNR-2x11A	25.40	27.69
24	TU5005WNR-2x12A	27.94	30.23
26	TU5005WNR-2x13A	30.48	32.77
28	TU5005WNR-2x14A	33.02	35.31
30	TU5005WNR-2x15A	35.56	37.85
32	TU5005WNR-2x16A	38.10	40.39
34	TU5005WNR-2x17A	40.64	42.93
36	TU5005WNR-2x18A	43.18	45.47
≀	≀	≀	≀
78	TU5005WNR-2x39A	96.52	98.81
80	TU5005WNR-2x40A	99.06	101.35

Wafer Dual Row B-TYPE

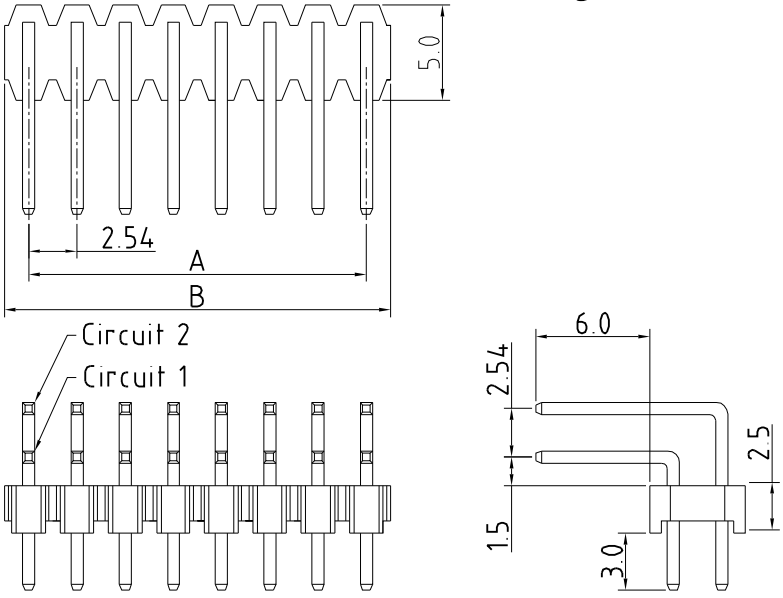
Features

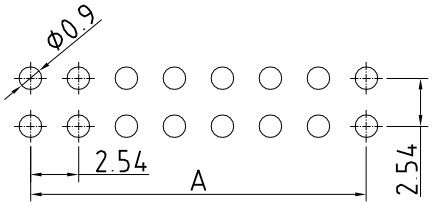
Available Number of Circuits : 2x02 - 2x40

Material : High Temperature Thermoplastic 94V-0 or Regular Thermoplastic 94V-0

Contact: 0.64mm(.025") Copper Alloy, Gold-flash

Mates with : TU5005 Series Dual Row Housing





P.C.B LAYOUT

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TU5005WNR-2x02B	2.54	4.83
6	TU5005WNR-2x03B	5.08	7.37
8	TU5005WNR-2x04B	7.62	9.91
10	TU5005WNR-2x05B	10.16	12.45
12	TU5005WNR-2x06B	12.70	14.99
14	TU5005WNR-2x07B	15.24	17.53
16	TU5005WNR-2x08B	17.78	20.07
18	TU5005WNR-2x09B	20.32	22.61
20	TU5005WNR-2x10B	22.86	25.15
22	TU5005WNR-2x11B	25.40	27.69
24	TU5005WNR-2x12B	27.94	30.23
26	TU5005WNR-2x13B	30.48	32.77
28	TU5005WNR-2x14B	33.02	35.31
30	TU5005WNR-2x15B	35.56	37.85
32	TU5005WNR-2x16B	38.10	40.39
34	TU5005WNR-2x17B	40.64	42.93
36	TU5005WNR-2x18B	43.18	45.47
≀	≀	≀	≀
78	TU5005WNR-2x39B	96.52	98.81
80	TU5005WNR-2x40B	99.06	101.35

TP/TU5005 SERIES

2.54mm Pitch Board To Board Connector

Unit : mm

Wafer

Single Row Vertical Receptacle-Type

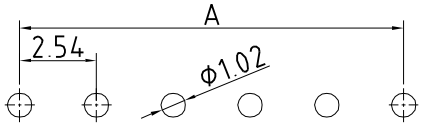
Features

Available Number of Circuits : 1x02 - 1x40

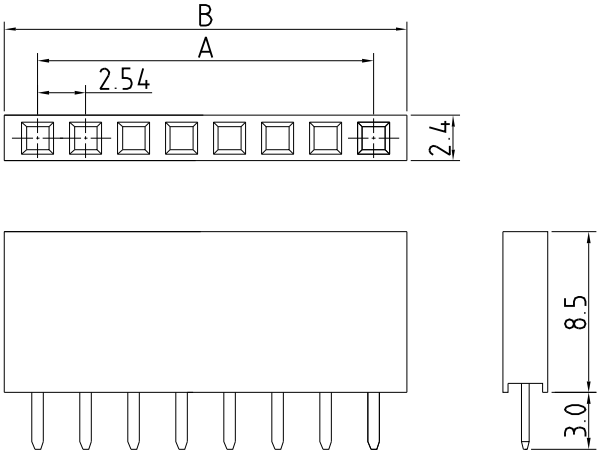
Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.4mm(.016") Copper Alloy, Gold plated

Mates with : TU5005 Series Single Row Header-Type



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TP5005RVP-1x02*2-002	2.54	5.48
3	TP5005RVP-1x03*2-002	5.08	8.02
4	TP5005RVP-1x04*2-002	7.62	10.56
5	TP5005RVP-1x05*2-002	10.16	13.10
6	TP5005RVP-1x06*2-002	12.70	15.64
7	TP5005RVP-1x07*2-002	15.24	18.18
8	TP5005RVP-1x08*2-002	17.78	20.72
9	TP5005RVP-1x09*2-002	20.32	23.26
10	TP5005RVP-1x10*2-002	22.86	25.80
≀	≀	≀	≀
39	TP5005RVP-1x39*2-002	96.52	99.46
40	TP5005RVP-1x40*2-002	99.06	102.00

Wafer

Single Row Vertical Receptacle-Type

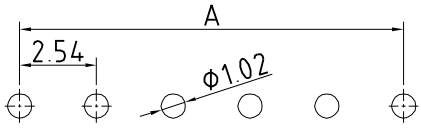
Features

Available Number of Circuits : 1x02 - 1x40

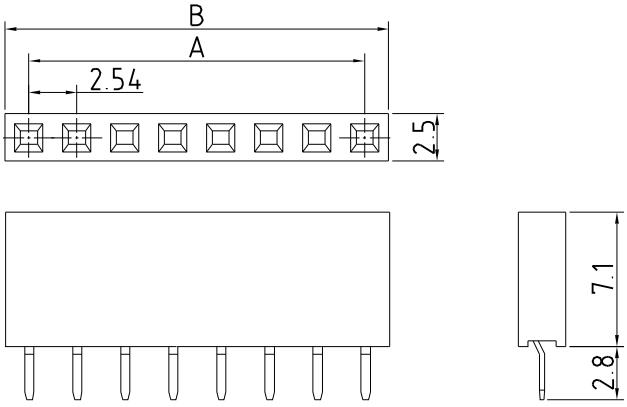
Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.40mm(.016") Copper Alloy, Gold plated

Mates with : TU5005 Series Single Row Header-Type



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TP5005RVP-1x02*1-001	2.54	5.08
3	TP5005RVP-1x03*1-001	5.08	7.62
4	TP5005RVP-1x04*1-001	7.62	10.16
5	TP5005RVP-1x05*1-001	10.16	12.70
6	TP5005RVP-1x06*1-001	12.70	15.24
7	TP5005RVP-1x07*1-001	15.24	17.78
8	TP5005RVP-1x08*1-001	17.78	20.32
9	TP5005RVP-1x09*1-001	20.32	22.86
10	TP5005RVP-1x10*1-001	22.86	25.40
≀	≀	≀	≀
39	TP5005RVP-1x39*1-001	96.52	99.06
40	TP5005RVP-1x40*1-001	99.06	101.60

TP/TU5005 SERIES

2.54mm Pitch Board To Board Connector

Unit : mm

Wafer — Single Row Vertical Receptacle-Type

Features

Available Number of Circuits : 1x03 - 1x40

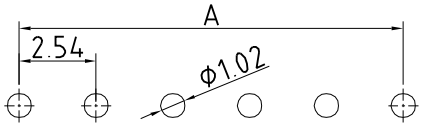
Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.25mm(.009") Copper Alloy, Gold plated

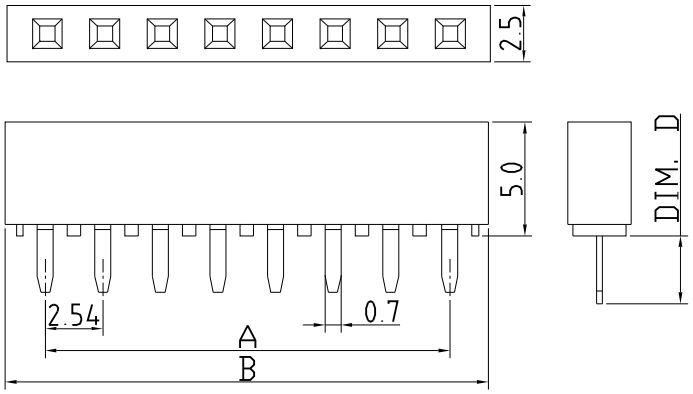
Mates with : TU5005 Series Single Row Header-Type

Part No. : TP5005RVP-1xNP*3-0**

01: DIM. D=2.85mm
02: DIM. D=3.00mm



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TP5005RVP-1x02*3-0**	2.54	5.58
3	TP5005RVP-1x03*3-0**	5.08	8.12
4	TP5005RVP-1x04*3-0**	7.62	10.66
5	TP5005RVP-1x05*3-0**	10.16	13.20
6	TP5005RVP-1x06*3-0**	12.70	15.74
7	TP5005RVP-1x07*3-0**	15.24	18.28
8	TP5005RVP-1x08*3-0**	17.78	20.82
9	TP5005RVP-1x09*3-0**	20.32	23.36
10	TP5005RVP-1x10*3-0**	22.86	25.90
≀	≀	≀	≀
39	TP5005RVP-1x39*3-0**	96.52	99.56
40	TP5005RVP-1x40*3-0**	99.06	102.10

Wafer — Single Row Vertical Receptacle-Type

Features

Available Number of Circuits : 1x03 - 1x40

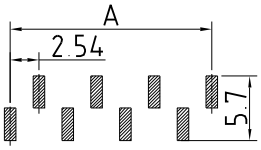
Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.4mm(.016") Copper Alloy, Gold plated

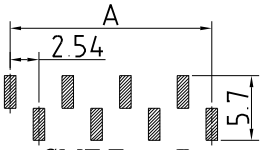
Mates with : TU5005 Series Single Row Header-Type

Part No. : TP5005RVP-1xNP*2-00 *

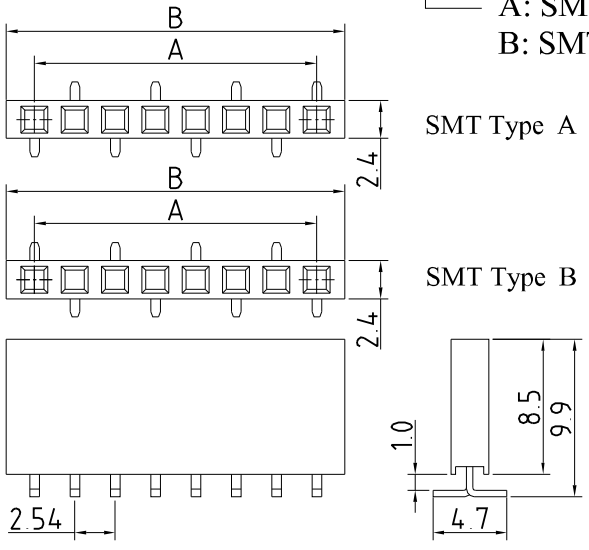
A: SMT Type A
B: SMT Type B



SMT Type A
P.C.B LAYOUT



SMT Type B
P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
3	TP5005RVP-1x03*2-00*	5.08	8.02
4	TP5005RVP-1x04*2-00*	7.62	10.56
5	TP5005RVP-1x05*2-00*	10.16	13.10
6	TP5005RVP-1x06*2-00*	12.70	15.64
7	TP5005RVP-1x07*2-00*	15.24	18.18
8	TP5005RVP-1x08*2-00*	17.78	20.72
9	TP5005RVP-1x09*2-00*	20.32	23.26
10	TP5005RVP-1x10*2-00*	22.86	25.80
≀	≀	≀	≀
39	TP5005RVP-1x39*2-00*	96.52	99.46
40	TP5005RVP-1x40*2-00*	99.06	102.00

TP/TU5005 SERIES

2.54mm Pitch Board To Board Connector

Unit : mm

Wafer

Dual Row Vertical Receptacle-Type

Features

Available Number of Circuits : 2x02 - 2x40

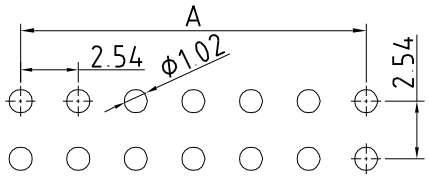
Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.4mm(.016") Copper Alloy, Gold plated

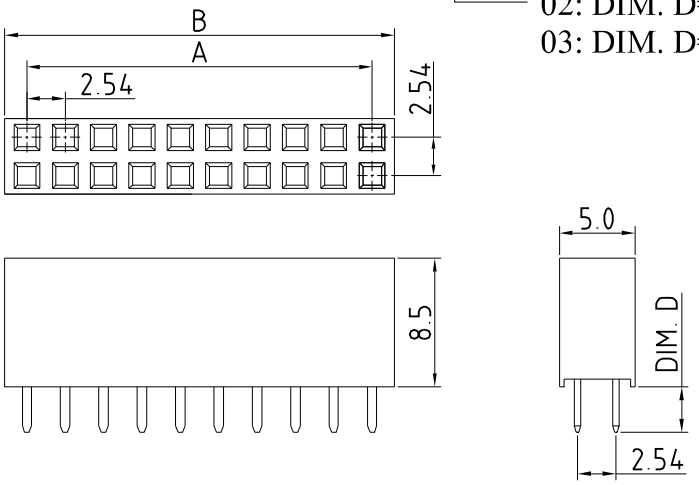
Mates with : TU5005 Series Dual Row Header-Type

Part No. : TP5005RVP-2xNP*2-0 **

02: DIM. D=3.0mm
03: DIM. D=3.2mm



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TP5005RVP-2x02*2-0**	2.54	5.48
6	TP5005RVP-2x03*2-0**	5.08	8.02
8	TP5005RVP-2x04*2-0**	7.62	10.56
10	TP5005RVP-2x05*2-0**	10.16	13.10
12	TP5005RVP-2x06*2-0**	12.70	15.64
14	TP5005RVP-2x07*2-0**	15.24	18.18
16	TP5005RVP-2x08*2-0**	17.78	20.72
18	TP5005RVP-2x09*2-0**	20.32	23.26
20	TP5005RVP-2x10*2-0**	22.86	25.80
≀	≀	≀	≀
78	TP5005RVP-2x39*2-0**	96.52	99.46
80	TP5005RVP-2x40*2-0**	99.06	102.00

Wafer

Dual Row Vertical Receptacle-Type

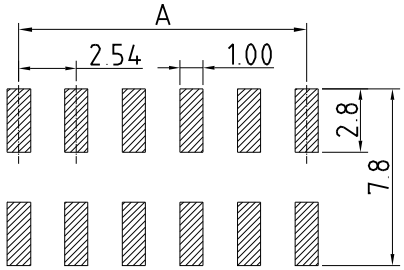
Features

Available Number of Circuits : 2x02 - 2x40

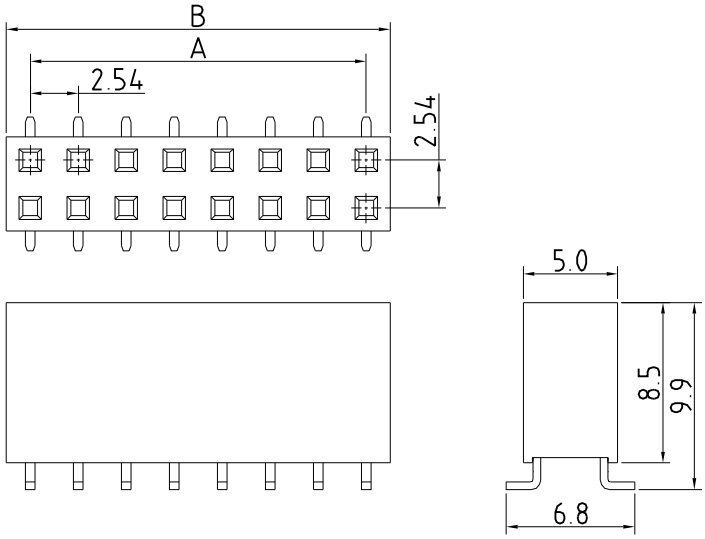
Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.4mm(.016") Copper Alloy, Gold plated

Mates with : TU5005 Series Dual Row Header-Type



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TP5005RVP-2x02C2-004	2.54	5.48
6	TP5005RVP-2x03C2-004	5.08	8.02
8	TP5005RVP-2x04C2-004	7.62	10.56
10	TP5005RVP-2x05C2-004	10.16	13.10
12	TP5005RVP-2x06C2-004	12.70	15.64
14	TP5005RVP-2x07C2-004	15.24	18.18
16	TP5005RVP-2x08C2-004	17.78	20.72
18	TP5005RVP-2x09C2-004	20.32	23.26
20	TP5005RVP-2x10C2-004	22.86	25.80
≀	≀	≀	≀
78	TP5005RVP-2x39C2-004	96.52	99.46
80	TP5005RVP-2x40C2-004	99.06	102.00

TP/TU5005 SERIES

2.54mm Pitch Board To Board Connector

Unit : mm

Wafer

Dual Row Vertical Receptacle-Type

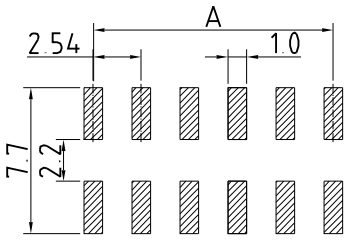
Features

Available Number of Circuits : 2x02 - 2x40

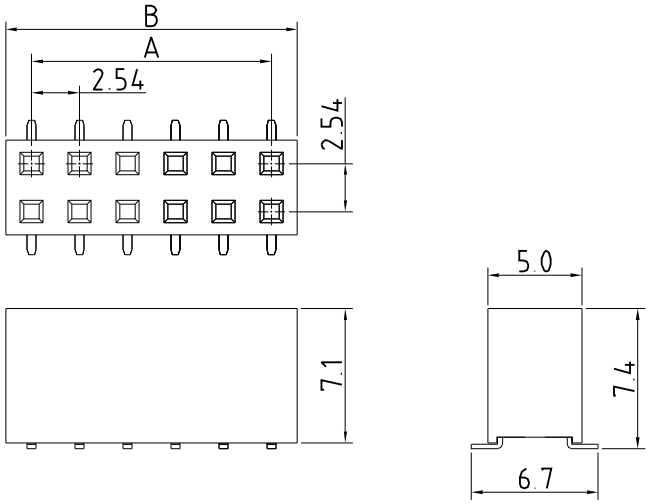
Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.40mm(.016")Copper Alloy, Gold plated

Mates with : TU5005 Series Dual Row Header-Type



P.C.B LAYOUT



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TP5005RVP-2x02S	2.54	5.28
6	TP5005RVP-2x03S	5.08	7.82
8	TP5005RVP-2x04S	7.62	10.36
10	TP5005RVP-2x05S	10.16	12.90
12	TP5005RVP-2x06S	12.70	15.44
14	TP5005RVP-2x07S	15.24	17.98
16	TP5005RVP-2x08S	17.78	20.52
18	TP5005RVP-2x09S	20.32	23.06
20	TP5005RVP-2x10S	22.86	25.60
≀	≀		
78	TP5005RVP-2x39S	96.52	99.26
80	TP5005RVP-2x40S	99.06	101.80

Wafer

Dual Row Vertical Receptacle-Type

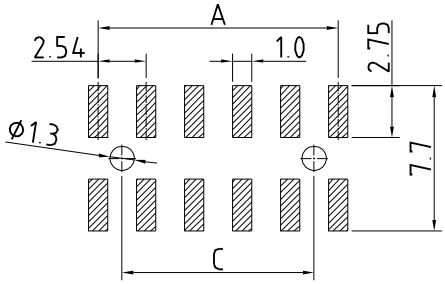
Features

Available Number of Circuits : 2x02 - 2x40

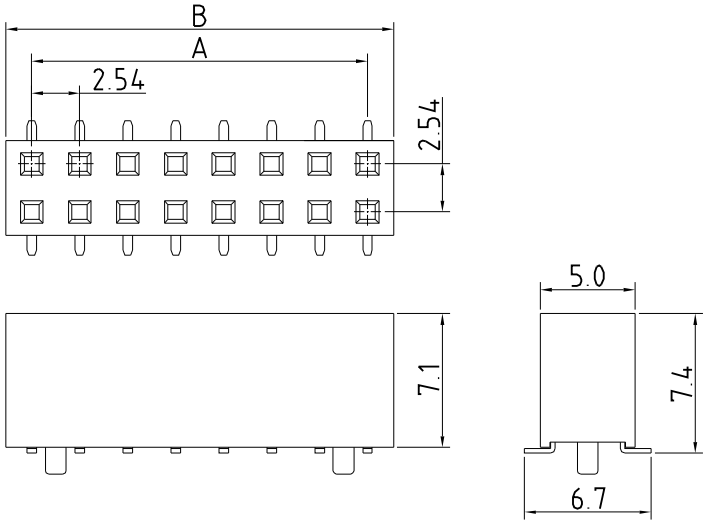
Material : High Temperature Thermoplastic 94V-0 or Thermoplastic 94V-0

Contact: 0.40mm(.016") Copper Alloy, Gold plated

Mates with : TU5005 Series Dual Row Header-Type



P.C.B LAYOUT

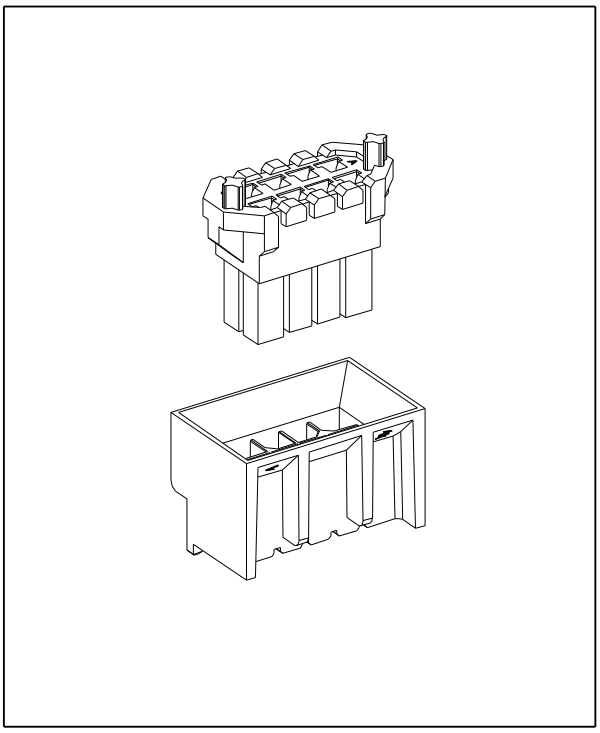


Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
4	TP5005RVP-2x02SF	2.54	4.68	–
6	TP5005RVP-2x03SF	5.08	7.32	2.54
8	TP5005RVP-2x04SF	7.62	9.96	5.08
10	TP5005RVP-2x05SF	10.16	12.60	7.62
12	TP5005RVP-2x06SF	12.70	15.24	10.16
14	TP5005RVP-2x07SF	15.24	17.88	12.70
16	TP5005RVP-2x08SF	17.78	20.52	15.24
18	TP5005RVP-2x09SF	20.32	23.16	17.78
20	TP5005RVP-2x10SF	22.86	25.80	20.32
≀	≀			
78	TP5005RVP-2x39SF	96.52	102.36	93.98
80	TP5005RVP-2x40SF	99.06	105.00	96.52

TP3085/6 SERIES

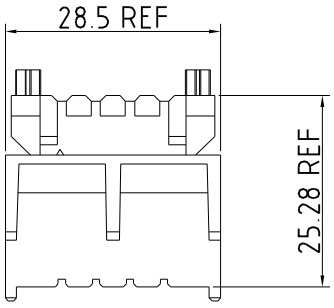
3.00mm Pitch Board To Board Connector



Specification

Circuits	2x02-2x12
Pitch	3.00mm
Current Rating	5 A AC/DC
Voltage Rating	250V AC/DC
Contact Resistance	10mΩ MAX.
Withstand Voltage	1500V AC/minute
Insulation Resistance	1000MΩ MIN.
Temperature Range	-25°C - +85°C

Assembly Layout



TP3085 * * - NP - * - *
① ②③ ④ ⑤ ⑥

TP3086 * * - NP - * - *
① ②③ ④ ⑤ ⑥

① Part No. TP3085,6

② Connection Type:
RV : Receptacle
PV : Header

③ Connection Type:
P : Vertical

④ Number of Contacts:
NP : Circuits

⑤ Mount Type
F : With Post (Dip Type)

⑥ Contact Plating Code
Blank : As Specified
GO : Gold-flash over Nickel

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TP3085/6 SERIES

3.00mm Pitch Board To Board Connector

Wafer Receptacle-Type

Unit : mm

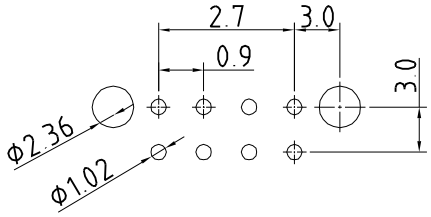
Features

Available Number of Circuits : 2x04 - 2x24

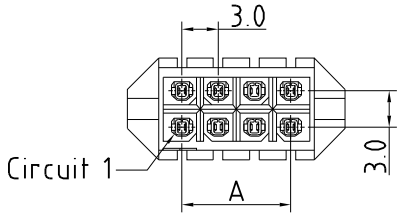
Material : High Temperature Thermoplastic 94V-0

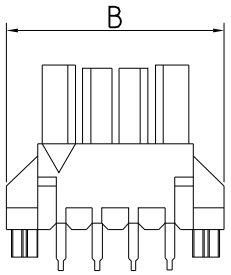
Contact : 0.20mm(.008") Copper Alloy , Tin-plated

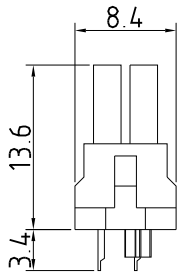
Mates with : TP3085 Series Dual Row Header-Type



P.C.B LAYOUT







Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
04	TR3085RVP-2x02F-*-*	3.00	13.00
06	TR3085RVP-2x03F-*-*	6.00	16.00
08	TR3085RVP-2x04F-*-*	9.00	19.00
10	TR3085RVP-2x05F-*-*	12.00	22.00
12	TR3085RVP-2x06F-*-*	15.00	25.00
14	TR3085RVP-2x07F-*-*	18.00	28.00
16	TR3085RVP-2x08F-*-*	21.00	31.00
18	TR3085RVP-2x09F-*-*	24.00	34.00
20	TR3085RVP-2x10F-*-*	27.00	37.00
22	TR3085RVP-2x11F-*-*	30.00	40.00
24	TR3085RVP-2x12F-*-*	33.00	43.00

Wafer Header-Type

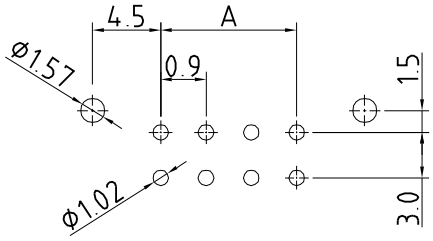
Features

Available Number of Circuits : 2x04 - 2x24

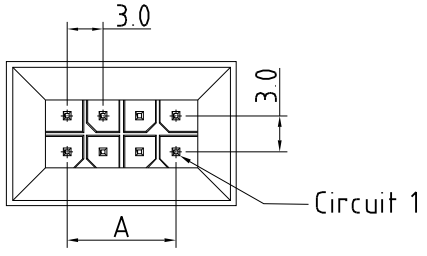
Material : High Temperature Thermoplastic 94V-0

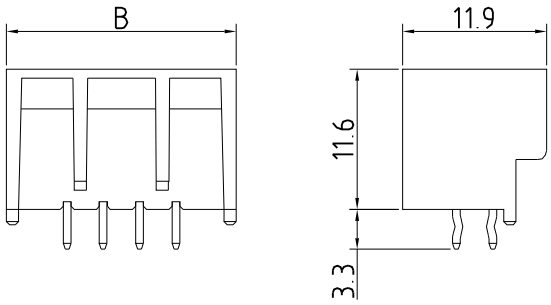
Contact: 0.64mm(.225") Copper Alloy , Tin-plated

Mates with : TP3086 Series Dual Row Receptacle-Type



P.C.B LAYOUT



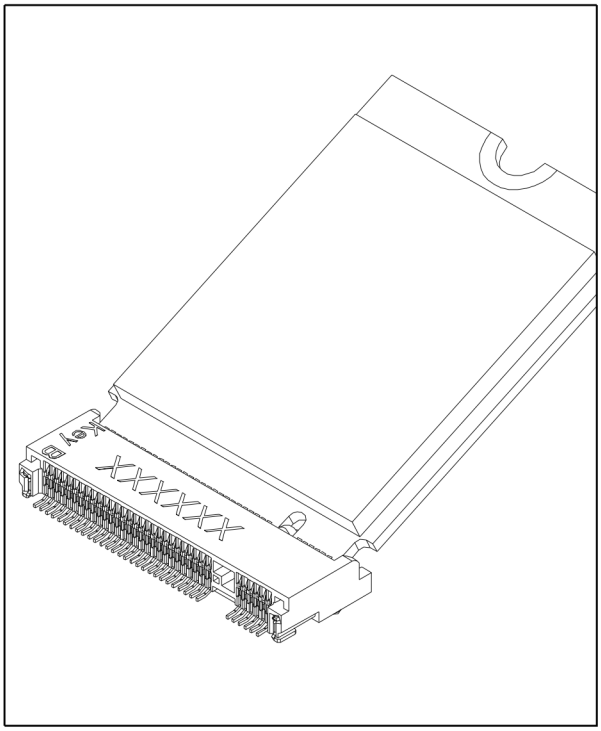


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
04	TP3086PVP-2x02F-*-*	3.00	13.00
06	TP3086PVP-2x03F-*-*	6.00	16.00
08	TP3086PVP-2x04F-*-*	9.00	19.00
10	TP3086PVP-2x05F-*-*	12.00	22.00
12	TP3086PVP-2x06F-*-*	15.00	25.00
14	TP3086PVP-2x07F-*-*	18.00	28.00
16	TP3086PVP-2x08F-*-*	21.00	31.00
18	TP3086PVP-2x09F-*-*	24.00	34.00
20	TP3086PVP-2x10F-*-*	27.00	37.00
22	TP3086PVP-2x11F-*-*	30.00	40.00
24	TP3086PVP-2x12F-*-*	33.00	43.00

TG0535 SERIES

0.50mm Pitch NGFF Card 67P Connector

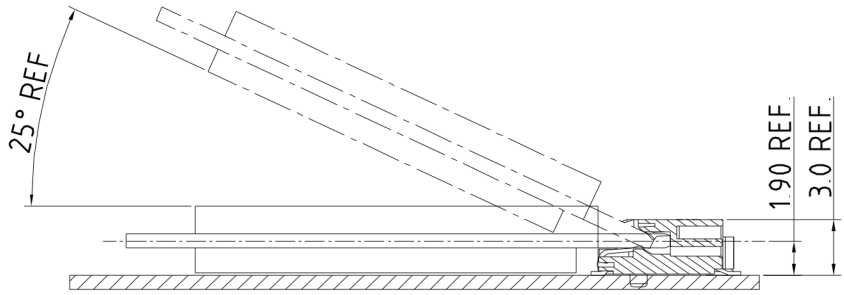


Specification

Circuits	67
Pitch	0.50mm
Current Rating	0.5A AC/DC
Voltage Rating	50V AC/DC
Contact Resistance	55mΩ MAX.
Withstand Voltage	300V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-40°C - +80°C

Assembly Layout

Right Angle SMT Type



TG0535 * - 67* - *- *
① ② ③④ ⑤ ⑥

① Part No. TG0535	④ Mount Type SBF : SMT B Type Wafer With Boss SMF : SMT M Type Wafer With Boss SEF : SMT E Type Wafer With Boss	⑥ Connector Height: H4 : 3.00mm
② Connection Type: WNR : Right Angle Wafer		
③ Number of Contacts: 67 : Circuits	⑤ Finish Black: As Specified GO: Gold-Flash G*: *u" Gold plated	

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

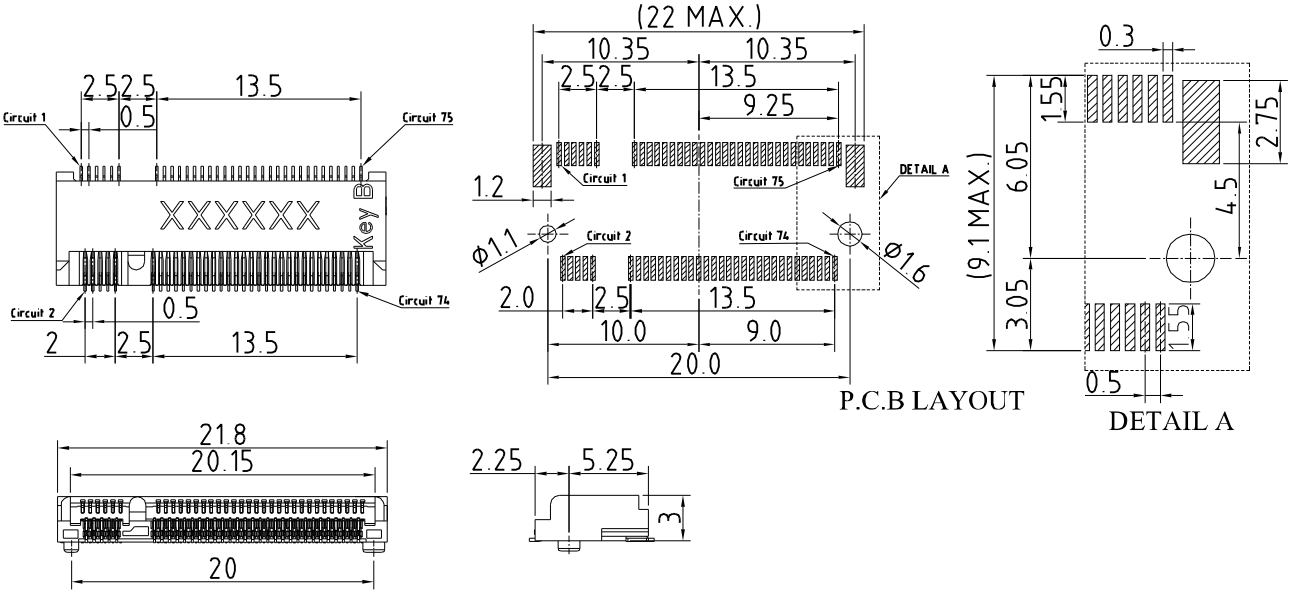
TG0535 SERIES

0.50mm Pitch NGFF Card 67P Connector

Unit : mm

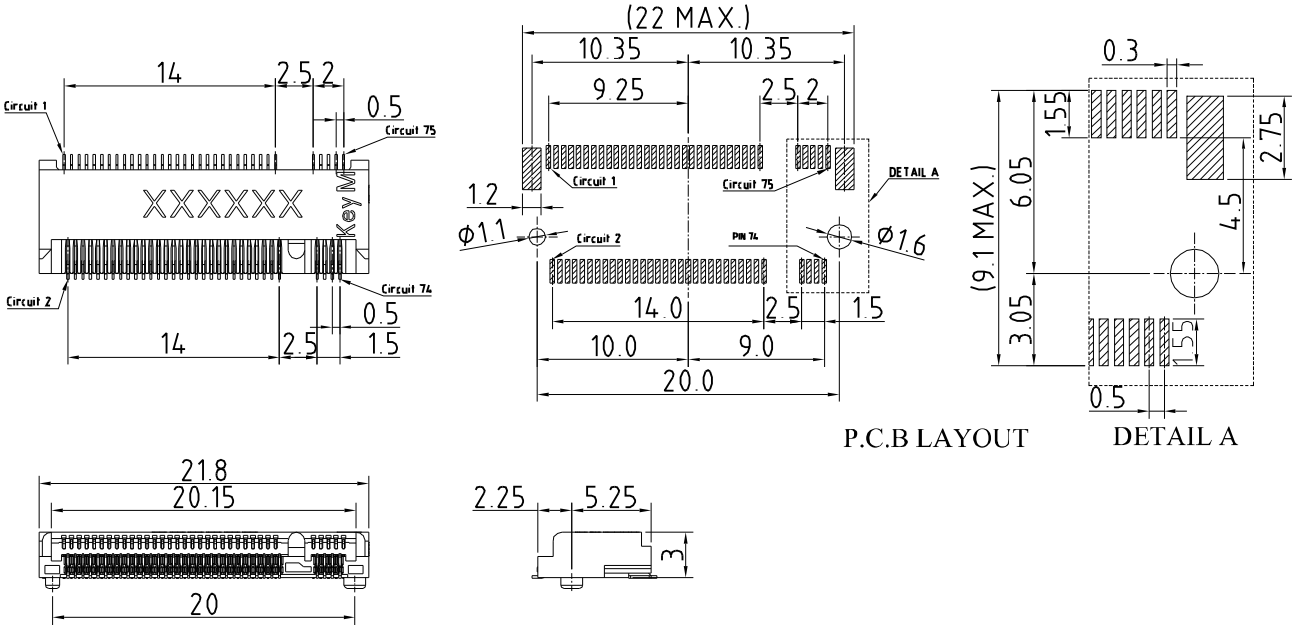
Wafer Right Angle SMT Key B Type

Features
Available Number of Circuits: 67
Material: High Temperature Thermoplastic UL94V-0
Contact : 0.15mm(.006") Copper Alloy, Gold plated
Part No. : TG0535WNR- 67SBF-*-H4



Wafer Right Angle SMT Key M Type

Features
Available Number of Circuits: 67
Material: High Temperature Thermoplastic UL94V-0
Contact : 0.15mm(.006") Copper Alloy, Gold plated
Part No. : TG0535WNR- 67SMF-*-H4



TG0535 SERIES

0.50mm Pitch NGFF Card 67P Connector

Unit : mm

Wafer

Right Angle SMT Key E Type

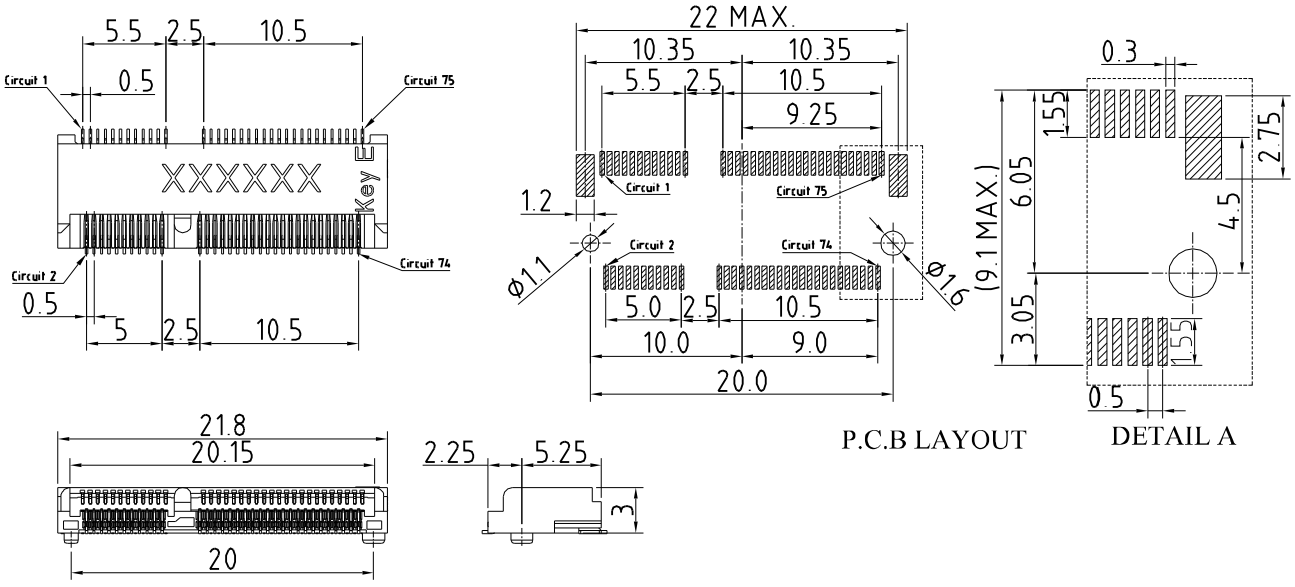
Features

Available Number of Circuits: 67

Material: High Temperature Thermoplastic UL94V-0

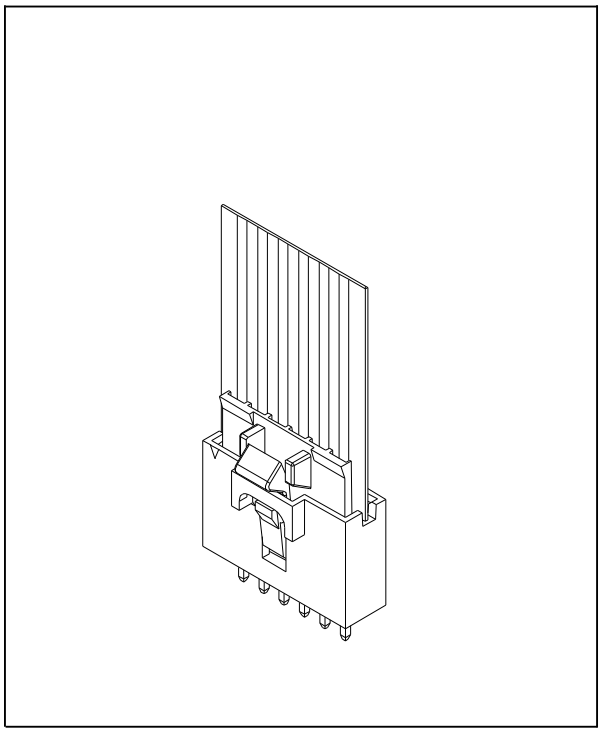
Contact**:** 0.15mm(.006") Copper Alloy, Gold plated

Part No. : TG0535WNR- 67SEF-*-H4



TF2542 SERIES

2.54mm Pitch FPC Connector



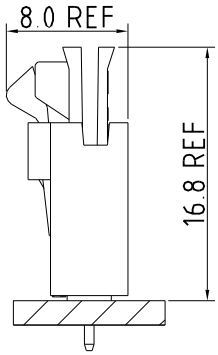
Specification

Circuits	1x02 - 1x20
Pitch	2.54mm
Current Rating	0.5A (Copper conductor cable or circuits) 0.2A (Conductive Ink)
Voltage Rating	150V AC/DC
Contact Resistance	10mΩ MAX.
Withstand Voltage	500V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-40°C ~ +105°C

TF2542

Assembly Layout

Vertical



Part No. 1 TF2542 ① * ② - * x NP ③ *- ④ * ⑤

Part No. 2 TF2542 ① * ② - * x NP ③ * ④ * ⑤ -* ⑥ 0 ⑦ *

① Part No. TU2015	④ Mount Type (Part No. 2)Packing code serial number 1,2,3...0 Type A,B...Z Type (Part No. 1)K:K Type Housing	⑥ Contact Plating Code 0: Gold-flash over Nickel A: Matte-Tin over Nickel
② Connection Type: HNO: Terminal Socket WNV: Vertical Wafer	⑤ Contact Plating Code (Part No. 1)K: T Type Housing (Part No. 1)K: B Type Housing (Part No. 2)K: K Type Wafer	⑦ Product Color 0: Cream 1: Black
③ Number of Contacts: 1xNP: Single row		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TF2542 SERIES

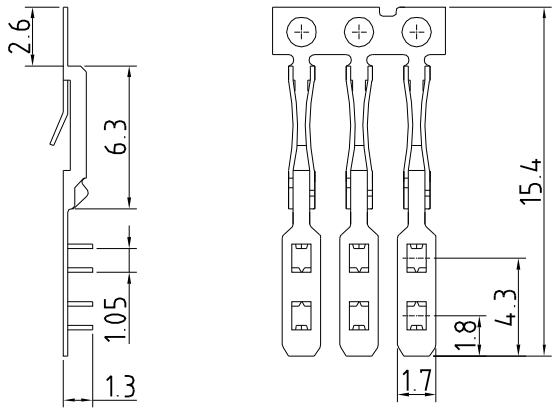
2.54mm Pitch FPC Connector

Unit : mm

Terminal

Features

Use with: TF2542HNO-1XNP/1XNPK 02 - 10 PIN Series Housing
(Increased retention for high vibration applications.)



CONTACT INFORMATION

Part No.	Material	Finish	Q'ty/Reel
TF2542TS-*	Phosphor bronze	See note	30,000 pcs

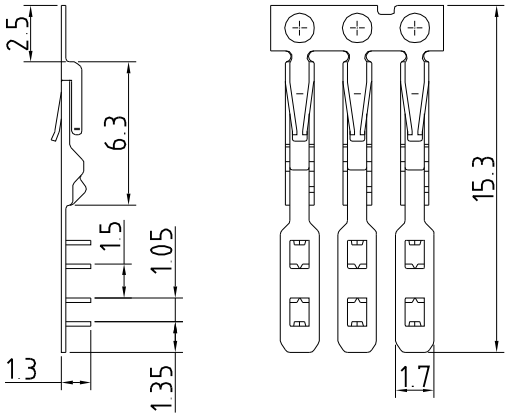
Note:

For this product in a different specification please contact TYU for more information

Terminal

Features

Use with: TF2542HNO-1XNP/1XNPK Series Housing



CONTACT INFORMATION

Part No.	Material	Finish	Q'ty/Reel
TF2542TS-*L	Phosphor bronze	See note	30,000 pcs

Note:

For this product in a different specification please contact TYU for more information

TF2542 SERIES

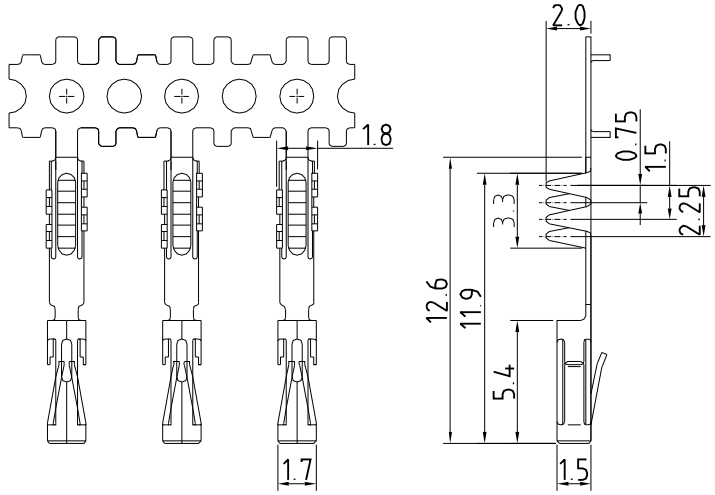
2.54mm Pitch FPC Connector

Unit : mm

Terminal

Features

Use with: TF2542HNO-1XNP-T/1XNPK-T Series Housing



CONTACT INFORMATION

Part No.	Material	Finish	Q'ty/Reel
TF2542TS-*-T	Phosphor bronze	See note	15,000 pcs

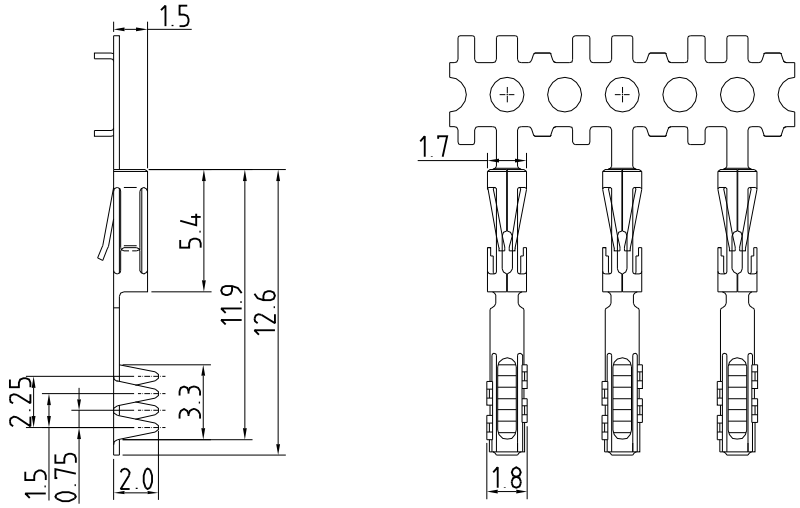
Note:

For this product in a different specification please contact TYU for more information

Terminal

Features

Use with: TF2542HNO-1XNP-T/1XNPK-T Series Housing



CONTACT INFORMATION

Part No.	Material	Finish	Q'ty/Reel
TF2542TS-*-B	Phosphor bronze	See note	15,000 pcs

Note:

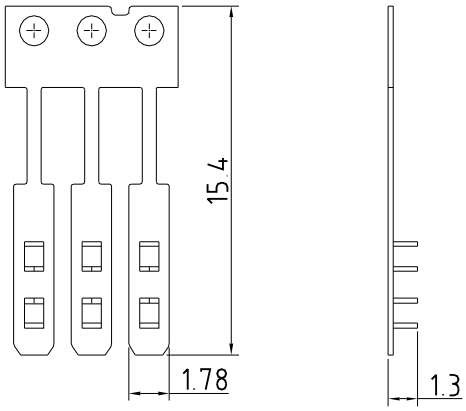
For this product in a different specification please contact TYU for more information

TF2542 SERIES

2.54mm Pitch FPC Connector

Unit : mm

Terminal



CONTACT INFORMATION

Part No.	Material	Finish	Q'ty/Reel
TF2542TP-*	Phosphor bronze	See note	30,000 pcs

Note:

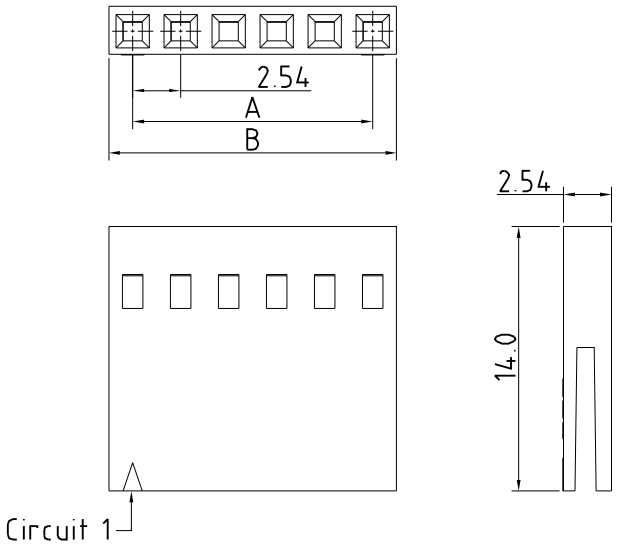
For this product in a different specification please contact TYU for more information

Housing

Single Row

Features

Available Number of Circuits: 02 - 20
Material: Regular Thermoplastic 94V-0
Use with: TF2542TS-* Crimp Terminal
Mates with : TF2542 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TF2542HNO-1X02-*	2.54	5.08
3	TF2542HNO-1X03-*	5.08	7.62
4	TF2542HNO-1X04-*	7.62	10.16
5	TF2542HNO-1X05-*	10.16	20.70
6	TF2542HNO-1X06-*	12.70	15.24
7	TF2542HNO-1X07-*	15.24	17.78
8	TF2542HNO-1X08-*	17.78	20.32
9	TF2542HNO-1X09-*	20.32	22.86
10	TF2542HNO-1X10-*	22.86	25.40
11	TF2542HNO-1X11-*	25.40	27.94
12	TF2542HNO-1X12-*	27.94	30.48
13	TF2542HNO-1X13-*	30.48	33.02
14	TF2542HNO-1X14-*	33.02	35.56
15	TF2542HNO-1X15-*	35.56	38.10
16	TF2542HNO-1X16-*	38.10	40.64
17	TF2542HNO-1X17-*	40.64	43.18
18	TF2542HNO-1X18-*	43.18	45.72
19	TF2542HNO-1X19-*	45.72	48.26
20	TF2542HNO-1X20-*	48.26	50.80

TF2542 SERIES

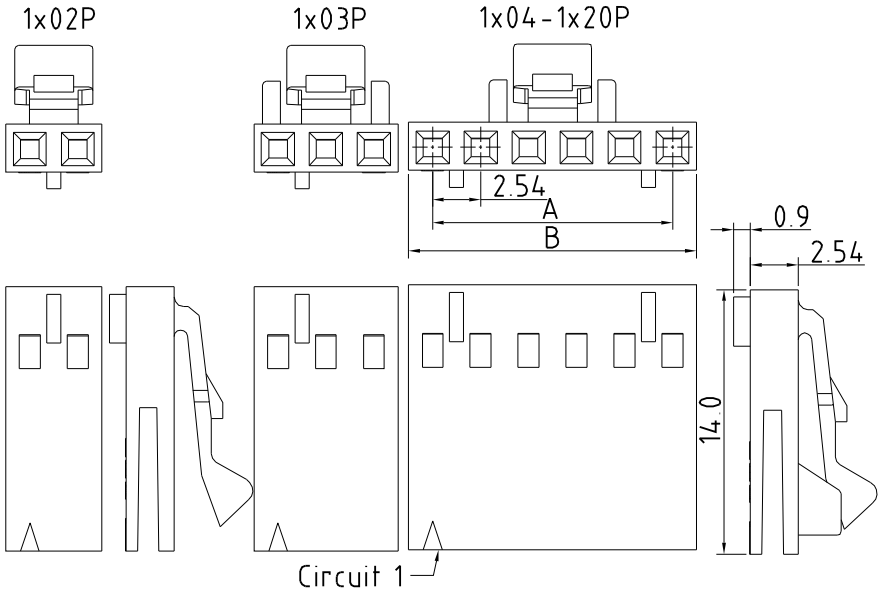
2.54mm Pitch FPC Connector

Unit : mm

Housing Single Row K TYPE

Features

Available Number of Circuits: 02 - 20
Material: Regular Thermoplastic 94V-0
Use with: TF2542TS-* Crimp Terminal
Mates with : TF2542 Series Wafer



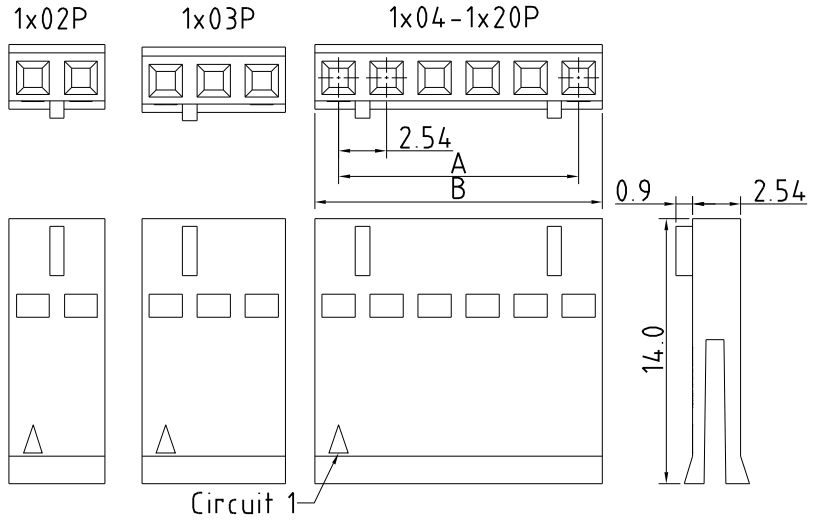
Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TF2542HNO-1X02K-*	2.54	5.08
3	TF2542HNO-1X03K-*	5.08	7.62
4	TF2542HNO-1X04K-*	7.62	10.16
5	TF2542HNO-1X05K-*	10.16	20.70
6	TF2542HNO-1X06K-*	12.70	15.24
7	TF2542HNO-1X07K-*	15.24	17.78
8	TF2542HNO-1X08K-*	17.78	20.32
9	TF2542HNO-1X09K-*	20.32	22.86
10	TF2542HNO-1X10K-*	22.86	25.40
11	TF2542HNO-1X11K-*	25.40	27.94
12	TF2542HNO-1X12K-*	27.94	30.48
13	TF2542HNO-1X13K-*	30.48	33.02
14	TF2542HNO-1X14K-*	33.02	35.56
15	TF2542HNO-1X15K-*	35.56	38.10
16	TF2542HNO-1X16K-*	38.10	40.64
17	TF2542HNO-1X17K-*	40.64	43.18
18	TF2542HNO-1X18K-*	43.18	45.72
19	TF2542HNO-1X19K-*	45.72	48.26
20	TF2542HNO-1X20K-*	48.26	50.80

Housing Single Row

Features

Available Number of Circuits: 02 - 20
Material: Regular Thermoplastic 94V-0
Use with: TF2542TS-*-T/B Crimp Terminal
Mates with : TF2542 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TF2542HNO-1X02-*-T	2.54	5.08
3	TF2542HNO-1X03-*-T	5.08	7.62
4	TF2542HNO-1X04-*-T	7.62	10.16
5	TF2542HNO-1X05-*-T	10.16	20.70
6	TF2542HNO-1X06-*-T	12.70	15.24
7	TF2542HNO-1X07-*-T	15.24	17.78
8	TF2542HNO-1X08-*-T	17.78	20.32
9	TF2542HNO-1X09-*-T	20.32	22.86
10	TF2542HNO-1X10-*-T	22.86	25.40
11	TF2542HNO-1X11-*-T	25.40	27.94
12	TF2542HNO-1X12-*-T	27.94	30.48
13	TF2542HNO-1X13-*-T	30.48	33.02
14	TF2542HNO-1X14-*-T	33.02	35.56
15	TF2542HNO-1X15-*-T	35.56	38.10
16	TF2542HNO-1X16-*-T	38.10	40.64
17	TF2542HNO-1X17-*-T	40.64	43.18
18	TF2542HNO-1X18-*-T	43.18	45.72
19	TF2542HNO-1X19-*-T	45.72	48.26
20	TF2542HNO-1X20-*-T	48.26	50.80

TF2542 SERIES

2.54mm Pitch FPC Connector

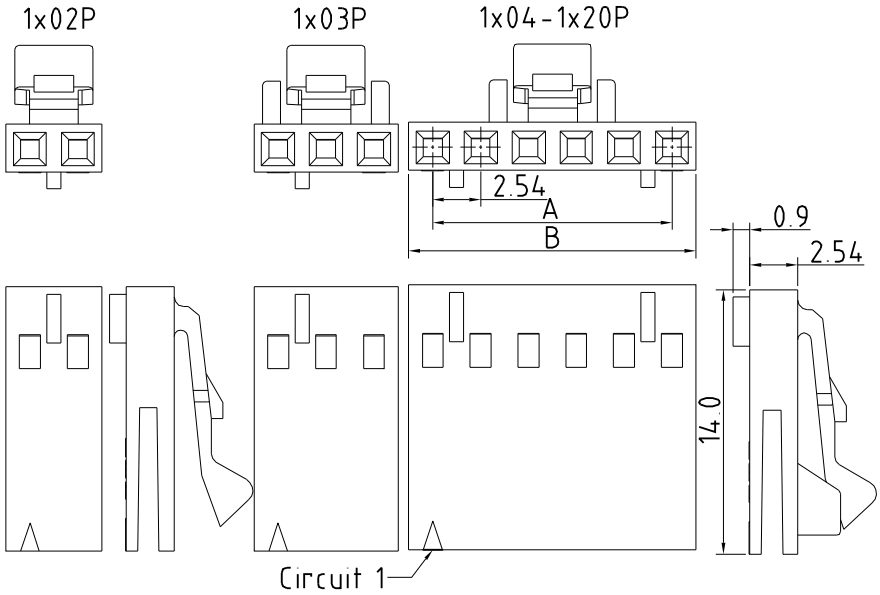
Unit : mm

Housing

Single Row K TYPE

Features

Available Number of Circuits: 02 - 20
Material: Regular Thermoplastic 94V-0
Use with: TF2542TS-* Crimp Terminal
Mates with : TF2542 Series Wafer



Dimension and Order Information

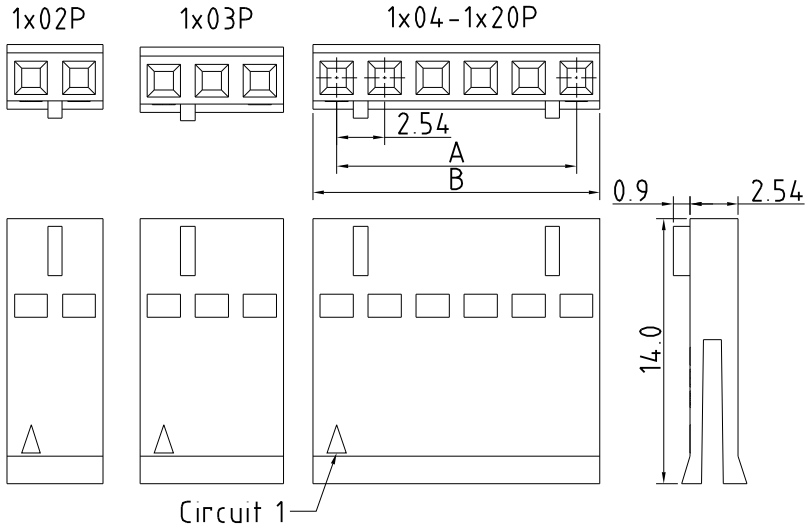
Circuits	Part No.	DIM.(mm)	
		A	B
2	TF2542HNO-1X02K-*	2.54	5.08
3	TF2542HNO-1X03K-*	5.08	7.62
4	TF2542HNO-1X04K-*	7.62	10.16
5	TF2542HNO-1X05K-*	10.16	20.70
6	TF2542HNO-1X06K-*	12.70	15.24
7	TF2542HNO-1X07K-*	15.24	17.78
8	TF2542HNO-1X08K-*	17.78	20.32
9	TF2542HNO-1X09K-*	20.32	22.86
10	TF2542HNO-1X10K-*	22.86	25.40
11	TF2542HNO-1X11K-*	25.40	27.94
12	TF2542HNO-1X12K-*	27.94	30.48
13	TF2542HNO-1X13K-*	30.48	33.02
14	TF2542HNO-1X14K-*	33.02	35.56
15	TF2542HNO-1X15K-*	35.56	38.10
16	TF2542HNO-1X16K-*	38.10	40.64
17	TF2542HNO-1X17K-*	40.64	43.18
18	TF2542HNO-1X18K-*	43.18	45.72
19	TF2542HNO-1X19K-*	45.72	48.26
20	TF2542HNO-1X20K-*	48.26	50.80

Housing

Single Row

Features

Available Number of Circuits: 02 - 20
Material: Regular Thermoplastic 94V-0
Use with: TF2542TS-*-T/B Crimp Terminal
Mates with : TF2542 Series Wafer



Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TF2542HNO-1X02-*-T	2.54	5.08
3	TF2542HNO-1X03-*-T	5.08	7.62
4	TF2542HNO-1X04-*-T	7.62	10.16
5	TF2542HNO-1X05-*-T	10.16	20.70
6	TF2542HNO-1X06-*-T	12.70	15.24
7	TF2542HNO-1X07-*-T	15.24	17.78
8	TF2542HNO-1X08-*-T	17.78	20.32
9	TF2542HNO-1X09-*-T	20.32	22.86
10	TF2542HNO-1X10-*-T	22.86	25.40
11	TF2542HNO-1X11-*-T	25.40	27.94
12	TF2542HNO-1X12-*-T	27.94	30.48
13	TF2542HNO-1X13-*-T	30.48	33.02
14	TF2542HNO-1X14-*-T	33.02	35.56
15	TF2542HNO-1X15-*-T	35.56	38.10
16	TF2542HNO-1X16-*-T	38.10	40.64
17	TF2542HNO-1X17-*-T	40.64	43.18
18	TF2542HNO-1X18-*-T	43.18	45.72
19	TF2542HNO-1X19-*-T	45.72	48.26
20	TF2542HNO-1X20-*-T	48.26	50.80

TF2542 SERIES

2.54mm Pitch FPC Connector

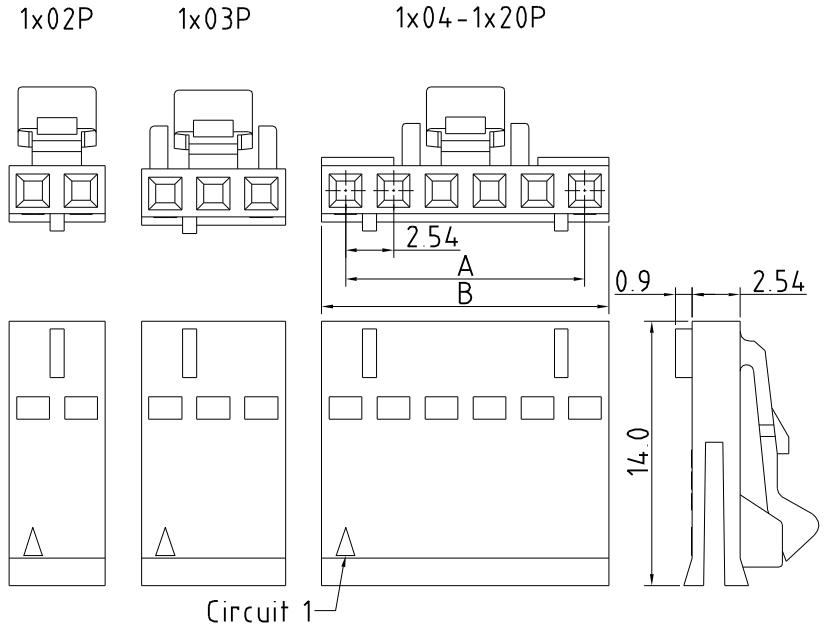
Unit : mm

Housing

Single Row K TYPE

Features

Available Number of Circuits: 02 - 20
Material: Regular Thermoplastic 94V-0
Use with: TF2542TS-* Crimp Terminal
Mates with : TF2542 Series Wafer



Dimension and Order Information

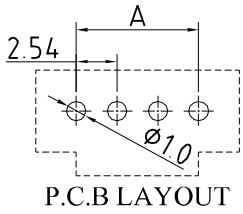
Circuits	Part No.	DIM.(mm)	
		A	B
2	TF2542HNO-1X02K-*-T	2.54	5.08
3	TF2542HNO-1X03K-*-T	5.08	7.62
4	TF2542HNO-1X04K-*-T	7.62	10.16
5	TF2542HNO-1X05K-*-T	10.16	20.70
6	TF2542HNO-1X06K-*-T	12.70	15.24
7	TF2542HNO-1X07K-*-T	15.24	17.78
8	TF2542HNO-1X08K-*-T	17.78	20.32
9	TF2542HNO-1X09K-*-T	20.32	22.86
10	TF2542HNO-1X10K-*-T	22.86	25.40
11	TF2542HNO-1X11K-*-T	25.40	27.94
12	TF2542HNO-1X12K-*-T	27.94	30.48
13	TF2542HNO-1X13K-*-T	30.48	33.02
14	TF2542HNO-1X14K-*-T	33.02	35.56
15	TF2542HNO-1X15K-*-T	35.56	38.10
16	TF2542HNO-1X16K-*-T	38.10	40.64
17	TF2542HNO-1X17K-*-T	40.64	43.18
18	TF2542HNO-1X18K-*-T	43.18	45.72
19	TF2542HNO-1X19K-*-T	45.72	48.26
20	TF2542HNO-1X20K-*-T	48.26	50.80

Wafer

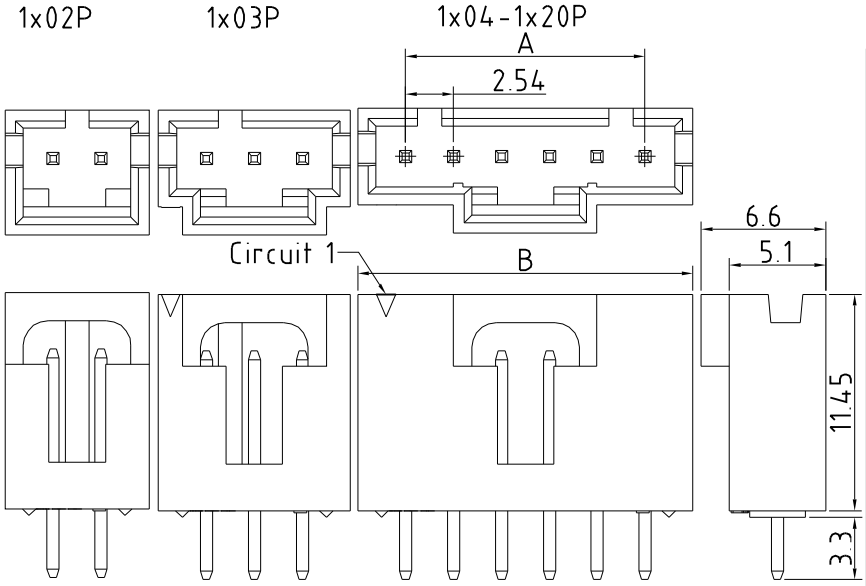
Vertical

Features

Available Number of Circuits : 02 - 20
Material : High Temperature Thermoplastic UL94V-0
Contact: 0.64mm(.025") Copper Alloy, Tin-plated or Gold-flash
Mates with : TF2542 Series Housing



P.C.B LAYOUT

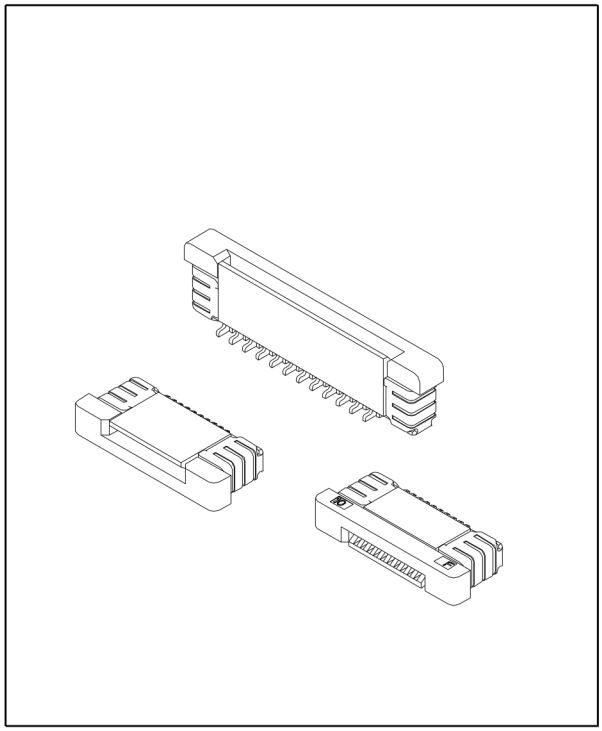


Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
2	TF2542WNV-1X02*K-*0*	2.54	7.62
3	TF2542WNV-1X03*K-*0*	5.08	10.16
4	TF2542WNV-1X04*K-*0*	7.62	12.70
5	TF2542WNV-1X05*K-*0*	10.16	15.24
6	TF2542WNV-1X06*K-*0*	12.70	17.78
7	TF2542WNV-1X07*K-*0*	15.24	20.32
8	TF2542WNV-1X08*K-*0*	17.78	22.86
9	TF2542WNV-1X09*K-*0*	20.32	25.40
10	TF2542WNV-1X10*K-*0*	22.86	27.94
11	TF2542WNV-1X11*K-*0*	25.40	30.48
12	TF2542WNV-1X12*K-*0*	27.94	33.02
13	TF2542WNV-1X13*K-*0*	30.48	35.56
14	TF2542WNV-1X14*K-*0*	33.02	38.10
15	TF2542WNV-1X15*K-*0*	35.56	40.64
16	TF2542WNV-1X16*K-*0*	38.10	43.18
17	TF2542WNV-1X17*K-*0*	40.64	45.72
18	TF2542WNV-1X18*K-*0*	43.18	48.26
19	TF2542WNV-1X19*K-*0*	45.72	50.80
20	TF2542WNV-1X20*K-*0*	48.26	53.34

TG0509 SERIES

0.50mm Pitch FPC Connector

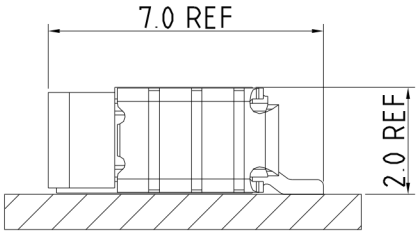


Specification

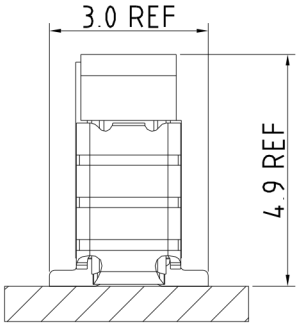
Circuits	04 - 51
Pitch	0.50mm
Current Rating	0.5A AC/DC
Voltage Rating	50V AC/DC
Contact Resistance	30mΩ MAX.
Withstand Voltage	250V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-25°C - +85°C

Assembly Layout

Right Angle SMT Type



Vertical SMT Type



TG0509*-NP S * - *
① ② ③ ④ ⑤ ⑥

① Part No. TG0509	④ Mount Type S : SMT Type Wafer	⑥ Finish Blank : As Specified GO : Gold-flash
② Connection Type: WNV : Vertical Wafer WNR : Right Angle Wafer	⑤ Mount Type A : ZIF Normal Type Wafer B : ZIF Reverse Wafer C : ZIF Bottom Contact SMT Type Wafer D : ZIF Upper Contact	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TG0509 SERIES

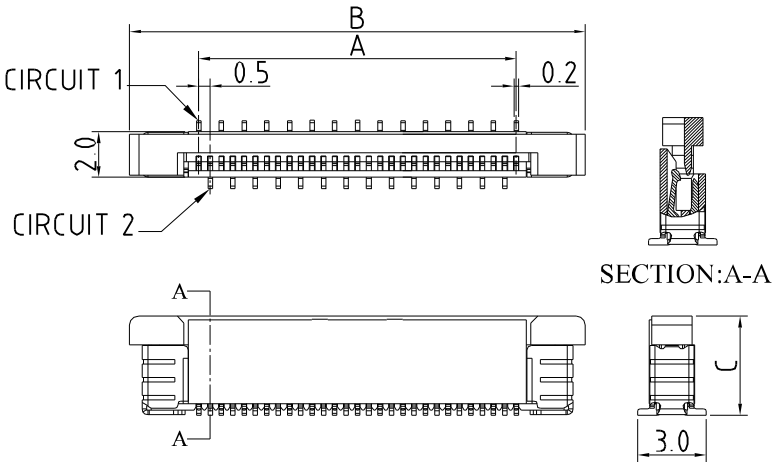
0.50mm Pitch FPC Connector

Unit : mm

Wafer Vertical

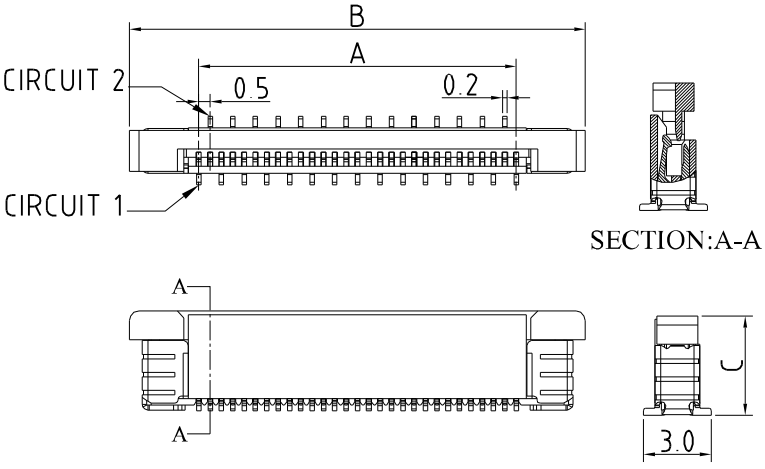
Features

Available Number of Circuits: 04 - 60
Material: High Temperature Thermoplastic UL94V-0
Actuator: High Temperature Thermoplastic UL94V-0
Contact: 0.20mm(.008") Copper Alloy, Tin-plated



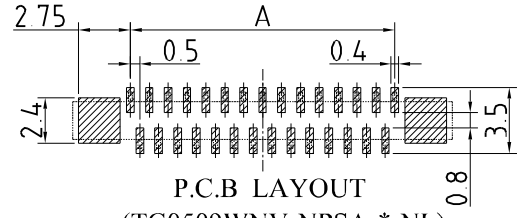
SECTION:A-A

TG0509WNV-NPSA-*-NL

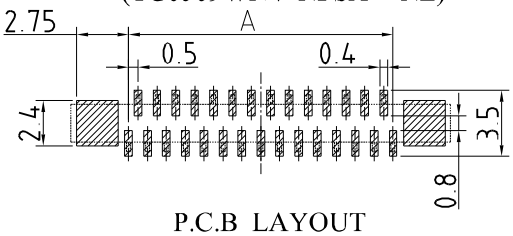


SECTION:A-A

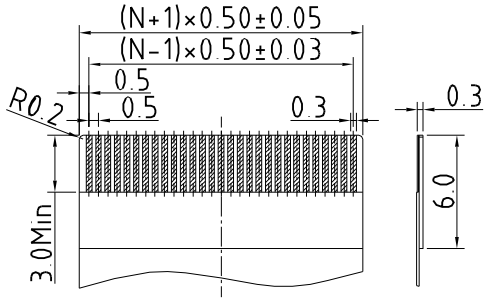
TG0509WNV-NPSB-*-NL



P.C.B LAYOUT
(TG0509WNV-NPSA-*-NL)



P.C.B LAYOUT
(TG0509WNV-NPSB-*-NL)



RECOMMENDED FPC DIMENSIONS

Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
4	TG0509WNV-04S*-*-NL	1.50	7.60	4.40
5	TG0509WNV-05S*-*-NL	2.00	8.10	4.40
6	TG0509WNV-06S*-*-NL	2.50	8.60	4.40
7	TG0509WNV-07S*-*-NL	3.00	9.10	4.40
8	TG0509WNV-08S*-*-NL	3.50	9.60	4.40
9	TG0509WNV-09S*-*-NL	4.00	10.10	4.40
10	TG0509WNV-04S*-*-NL	4.50	10.60	4.40
≀	≀	≀	≀	≀
34	TG0509WNV-34S*-*-NL	16.50	22.60	4.40
35	TG0509WNV-35S*-*-NL	17.00	23.10	4.90
≀	≀	≀	≀	≀
59	TG0509WNV-59S*-*-NL	29.00	35.10	4.90
60	TG0509WNV-60S*-*-NL	29.50	35.60	4.90

TG0509 SERIES

0.50mm Pitch FPC Connector

Unit : mm

Wafer Right Angle

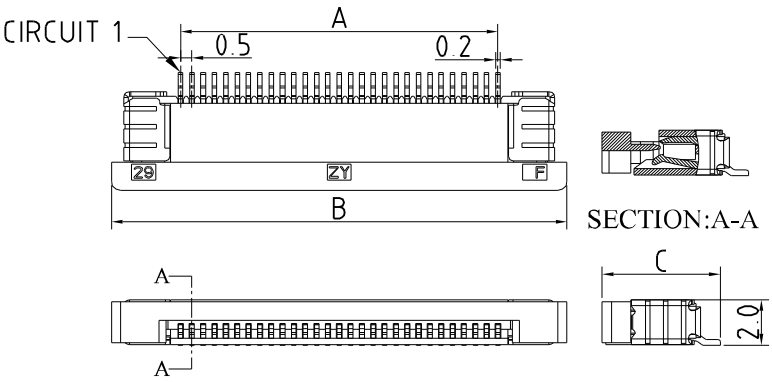
Features

Available Number of Circuits: 04 - 60

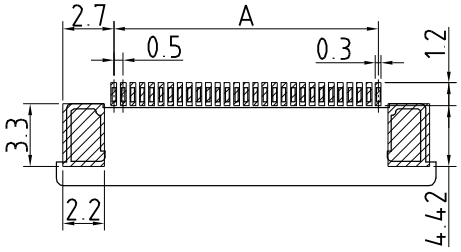
Material: High Temperature Thermoplastic UL94V-0

Actuator: High Temperature Thermoplastic UL94V-0

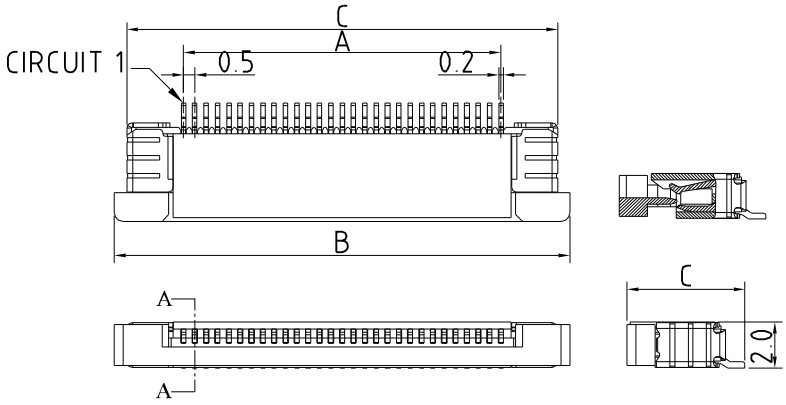
Contact: 0.20mm(.008") Copper Alloy, Tin-plated



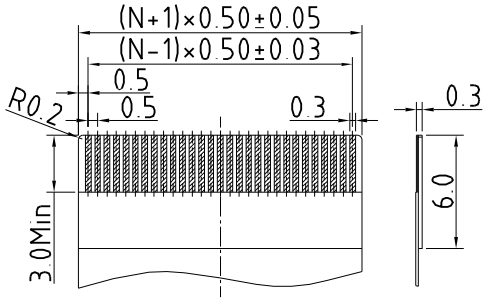
TG0509WNR-NPSC-*-NL



P.C.B LAYOUT



TG0509WNV-NPSD-*-NL



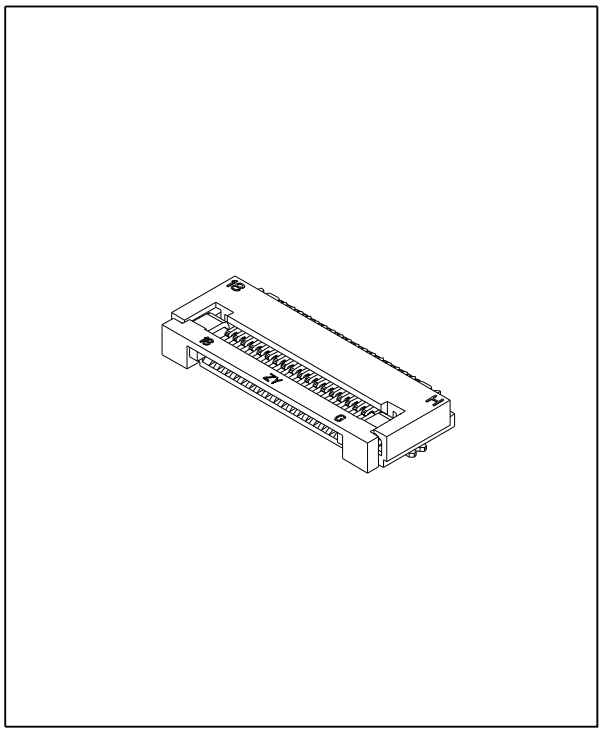
RECOMMENDED FPC DIMENSIONS

Dimension and Order Information

Circuits	Part No.	DIM.(mm)		
		A	B	C
4	TG0509WNR-04S*-*-NL	1.50	7.60	4.40
5	TG0509WNR-05S*-*-NL	2.00	8.10	4.40
6	TG0509WNR-06S*-*-NL	2.50	8.60	4.40
7	TG0509WNR-07S*-*-NL	3.00	9.10	4.40
8	TG0509WNR-08S*-*-NL	3.50	9.60	4.40
9	TG0509WNR-09S*-*-NL	4.00	10.10	4.40
10 ~ 34	TG0509WNR-04S*-*-NL ~ TG0509WNR-34S*-*-NL	4.50 ~ 16.50	10.60 ~ 22.60	4.40
35 ~ 59	TG0509WNR-35S*-*-NL ~ TG0509WNR-59S*-*-NL	17.00 ~ 29.00	23.10 ~ 35.10	4.90
60	TG0509WNR-60S*-*-NL	29.50	35.60	4.90

TG0520 SERIES

0.50mm Pitch FPC Connector

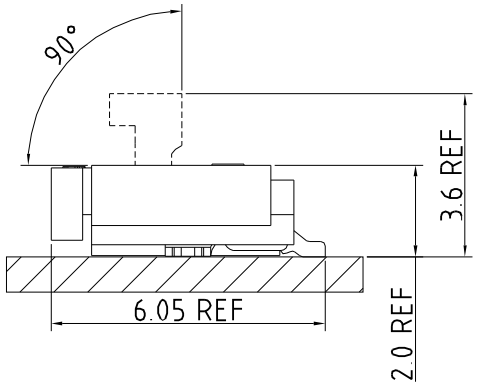


Specification

Circuits	04 - 60
Pitch	0.50mm
Current Rating	0.5A AC/DC
Voltage Rating	50V AC/DC
Contact Resistance	30mΩ MAX.
Withstand Voltage	250V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-25°C - +85°C

Assembly Layout

Right Angle SMT Type



TG0520 * -NP50 - * *
① ② ③ ④ ⑤⑥

① Part No. TG0520	④ Mount Type 50 : SMT-Type Wafer H=2.0mm	⑥ Other 02: ZIF Bottom Contact
② Connection Type: WNR : Right Angle Wafer		
③ Number of Contacts: NP : Circuits	⑤ Finish A: Matte-Tin over Nickel	

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TG0520 SERIES

0.50mm Pitch FPC Connector

Unit : mm

Wafer Right Angle

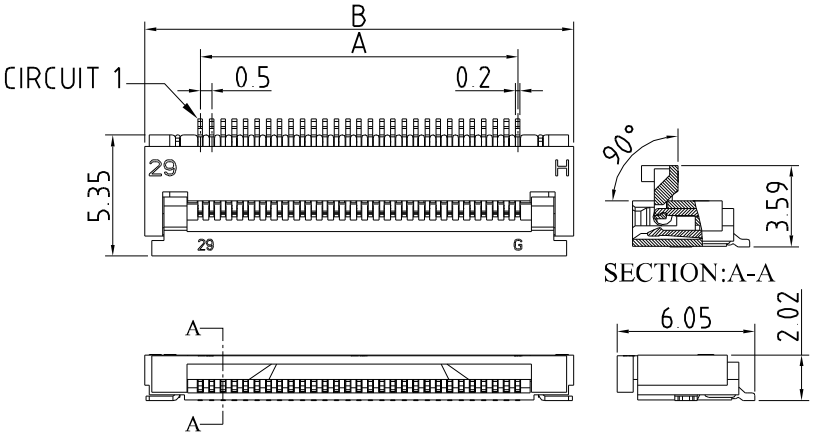
Features

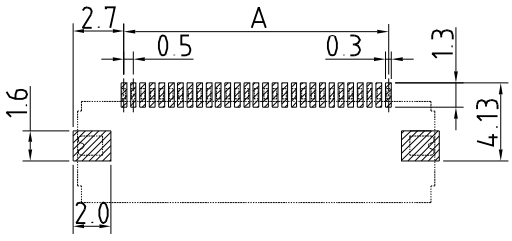
Available Number of Circuits: 04 - 60

Material: High Temperature Thermoplastic UL94V-0

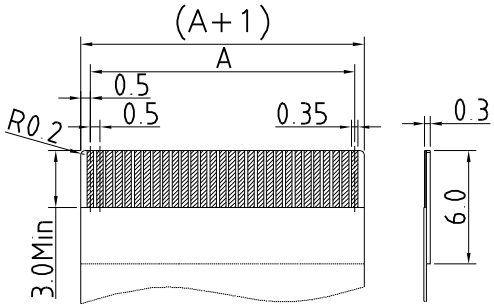
Actuator: High Temperature Thermoplastic UL94V-0

Contact**:** 0.20mm(.008") Copper Alloy, Tin-plated





P.C.B LAYOUT



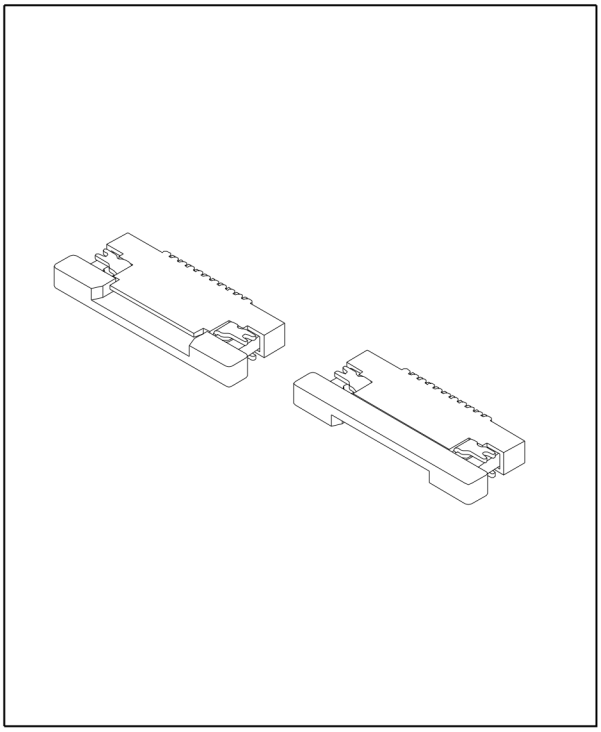
RECOMMENDED FPC DIMENSIONS

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TG0520WNR-0450-A*	1.50	6.40
5	TG0520WNR-0550-A*	2.00	6.90
6	TG0520WNR-0650-A*	2.50	7.40
7	TG0520WNR-0750-A*	3.00	7.90
8	TG0520WNR-0850-A*	3.50	8.40
9	TG0520WNR-0950-A*	4.00	8.90
10	TG0520WNR-1050-A*	4.50	9.40
11	TG0520WNR-1150-A*	5.00	9.90
12	TG0520WNR-1250-A*	5.50	10.40
13	TG0520WNR-1350-A*	6.00	10.90
14	TG0520WNR-1450-A*	6.50	11.40
15	TG0520WNR-1550-A*	7.00	11.90
16	TG0520WNR-1650-A*	7.50	12.40
17	TG0520WNR-1750-A*	8.00	12.90
18	TG0520WNR-1850-A*	8.50	13.40
19	TG0520WNR-1950-A*	9.00	13.90
20	TG0520WNR-2050-A*	9.50	14.40
≀	≀	≀	≀
59	TG0511WNR-5950-A*	29.00	33.90
60	TG0511WNR-6050-A*	29.50	34.40

TG0526 SERIES

0.50mm Pitch FPC Connector

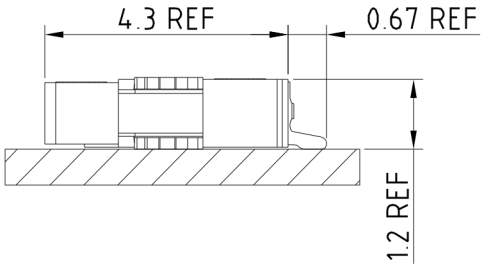


Specification

Circuits	04 - 60
Pitch	0.50mm
Current Rating	0.5A AC/DC
Voltage Rating	50V AC/DC
Contact Resistance	30mΩ MAX.
Withstand Voltage	250V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-25°C - +85°C

Assembly Layout

Right Angle SMT Type



TG0526*-NP S- * - *
① ② ③ ④ ⑤ ⑥

① Part No. TG0526	④ Mount Type S : SMT Type Wafer	⑥ Mount Type 04 : ZIF Bottom Contact 05 : ZIF Upper Contact
② Connection Type: WNR : Right Angle Wafer	⑤ Finish Black: As Specified GO : Gold-flash	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TG0526 SERIES

0.50mm Pitch FPC Connector

Unit : mm

Wafer Right Angle

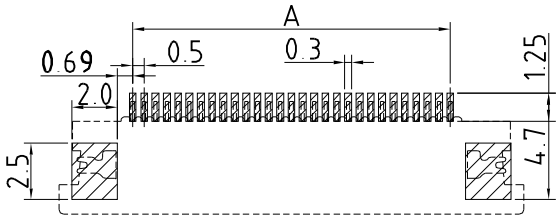
Features

Available Number of Circuits: 04 - 60

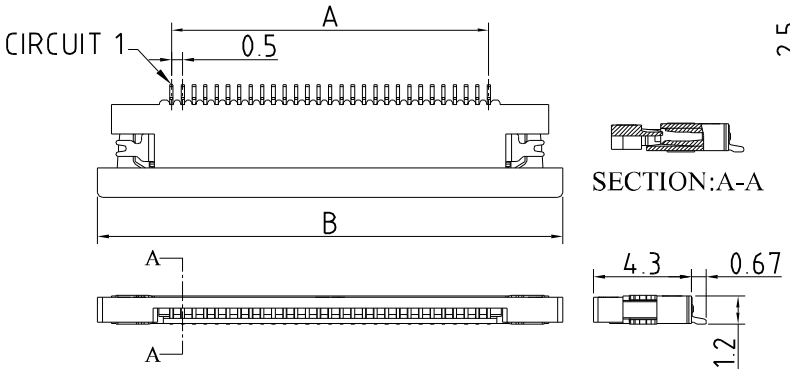
Material: High Temperature Thermoplastic UL94V-0

Actuator: High Temperature Thermoplastic UL94V-0

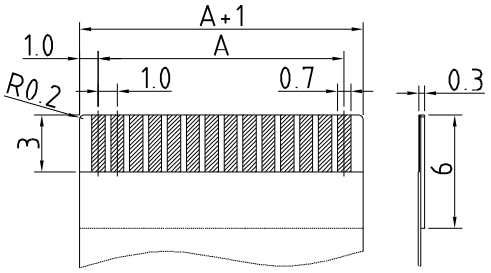
Contact**:** 0.15mm(.006") Copper Alloy, Tin-plated



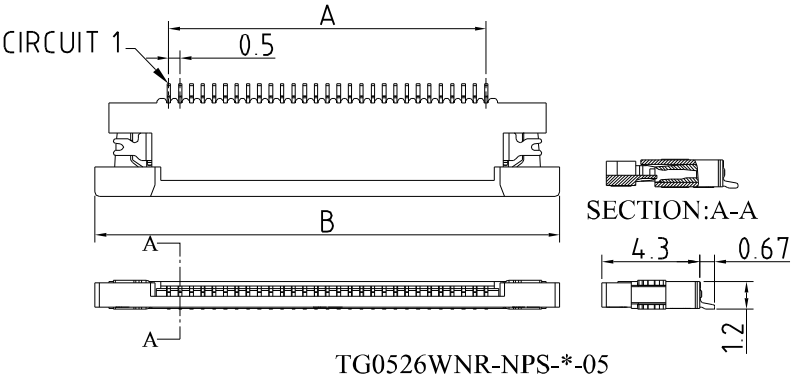
P.C.B LAYOUT



TG0526WNR-NPS-*-04



RECOMMENDED FPC DIMENSIONS



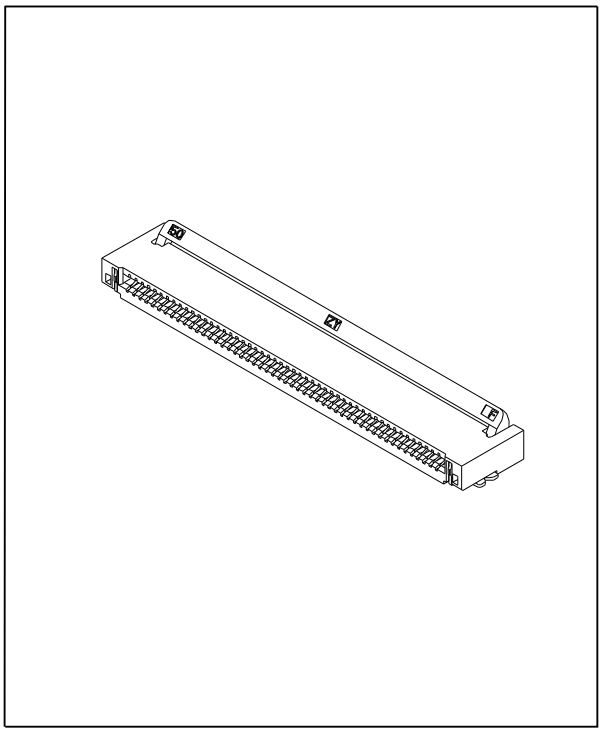
TG0526WNR-NPS-*-05

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TG0526WNR-04S-*-*	1.50	6.80
5	TG0526WNR-05S-*-*	2.00	7.30
6	TG0526WNR-06S-*-*	2.50	7.80
7	TG0526WNR-07S-*-*	3.00	8.30
8	TG0526WNR-08S-*-*	3.50	8.80
9	TG0526WNR-09S-*-*	4.00	9.30
10	TG0526WNR-10S-*-*	4.50	9.80
11	TG0526WNR-11S-*-*	5.00	10.30
12	TG0526WNR-12S-*-*	5.50	10.80
13	TG0526WNR-13S-*-*	6.00	11.30
14	TG0526WNR-14S-*-*	6.50	11.80
15	TG0526WNR-15S-*-*	7.00	12.30
16	TG0526WNR-16S-*-*	7.50	12.80
17	TG0526WNR-17S-*-*	8.00	13.30
18	TG0526WNR-18S-*-*	8.50	13.80
19	TG0526WNR-19S-*-*	9.00	14.30
20	TG0526WNR-20S-*-*	9.50	14.80
≀	≀	≀	≀
59	TG0526WNR-59S-*-*	29.00	34.30
60	TG0526WNR-60S-*-*	29.50	34.80

TG0534 SERIES

0.50mm Pitch FPC Connector

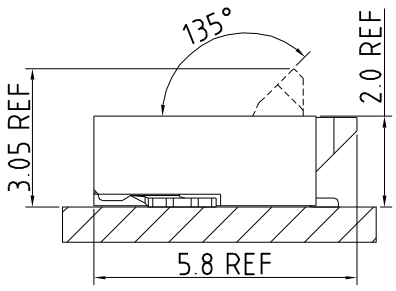


Specification

Circuits	04 - 60
Pitch	0.50mm
Current Rating	0.5A AC/DC
Voltage Rating	50V AC/DC
Contact Resistance	30mΩ MAX.
Withstand Voltage	250V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-25°C - +85°C

Assembly Layout

Right Angle SMT Type



TG0534*-NP S- * - *
① ② ③ ④ ⑤ ⑥

① Part No. TG0534	④ Mount Type S : SMT Type Wafer	⑥ Mount Type 02 : ZIF Dual Contact
② Connection Type: WNR : Right Angle Wafer	⑤ Finish Black: As Specified GO : Gold-flash	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TG0534 SERIES

0.50mm Pitch FPC Connector

Unit : mm

Wafer Right Angle

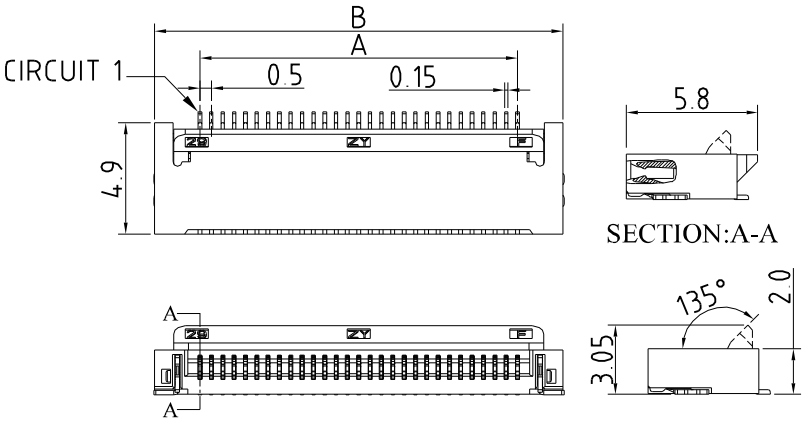
Features

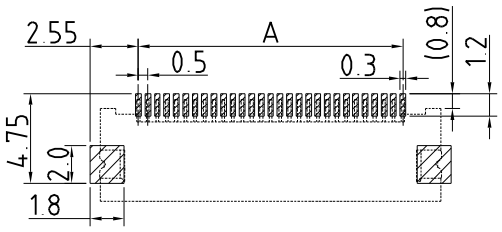
Available Number of Circuits: 04 - 60

Material: High Temperature Thermoplastic UL94V-0

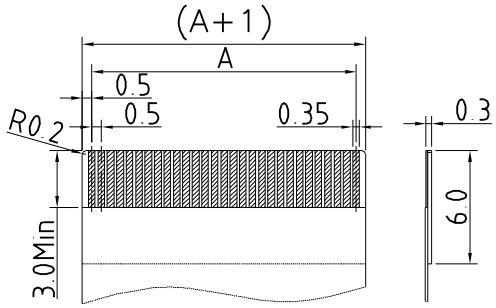
Actuator: High Temperature Thermoplastic UL94V-0

Contact: 0.15mm(.006") Copper Alloy, Tin-plated





P.C.B LAYOUT



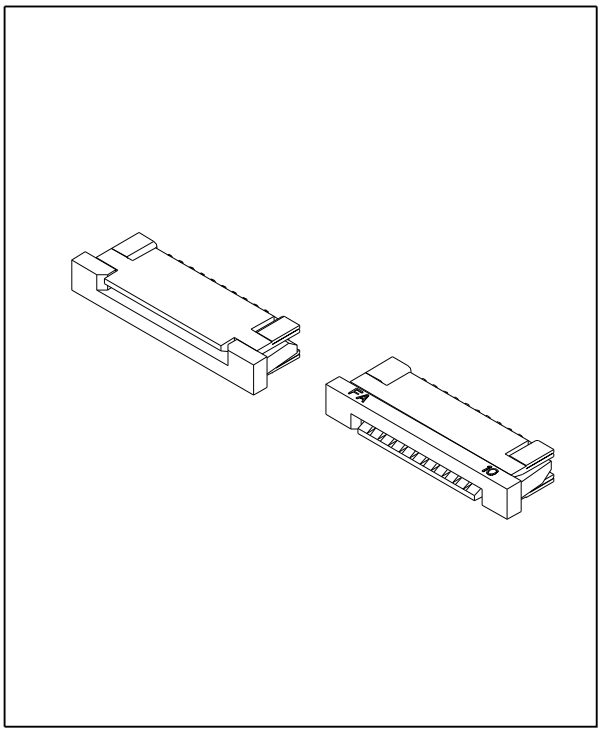
RECOMMENDED FPC DIMENSIONS

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TG0534WNR-04S-*-02	1.50	5.50
5	TG0534WNR-05S-*-02	2.00	6.00
6	TG0534WNR-06S-*-02	2.50	6.50
7	TG0534WNR-07S-*-02	3.00	7.00
8	TG0534WNR-08S-*-02	3.50	7.50
9	TG0534WNR-09S-*-02	4.00	8.00
10	TG0534WNR-10S-*-02	4.50	8.50
11	TG0534WNR-10S-*-02	5.00	9.00
12	TG0534WNR-12S-*-02	5.50	9.50
13	TG0534WNR-13S-*-02	6.00	10.00
14	TG0534WNR-14S-*-02	6.50	10.50
15	TG0534WNR-15S-*-02	7.00	11.00
16	TG0534WNR-16S-*-02	7.50	11.50
17	TG0534WNR-17S-*-02	8.00	12.00
18	TG0534WNR-18S-*-02	8.50	12.50
19	TG0534WNR-19S-*-02	9.00	13.00
20	TG0534WNR-20S-*-02	9.50	13.50
≀	≀		
59	TG0534WNR-59S-*-02	29.00	33.00
60	TG0534WNR-60S-*-02	29.50	33.50

TG1031 SERIES

1.00mm Pitch FPC Connector

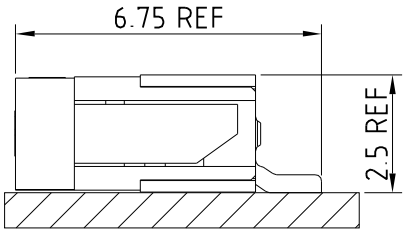


Specification

Circuits	04 - 30
Pitch	1.00mm
Current Rating	0.5A AC/DC
Voltage Rating	50V AC/DC
Contact Resistance	30mΩ MAX.
Withstand Voltage	250V AC/minute
Insulation Resistance	500MΩ MIN.
Temperature Range	-25°C - +85°C

Assembly Layout

Right Angle SMT Type



TG1031*-NP S- * - *
① ② ③ ④ ⑤ ⑥

① Part No. TG1031	④ Mount Type S : SMT Type Wafer	⑥ Mount Type 04 : ZIF Bottom Contact 05 : ZIF Upper Contact
② Connection Type: WNR : Right Angle Wafer	⑤ Finish Black: As Specified GO : Gold-flash	
③ Number of Contacts: NP : Circuits		

Note:Color of number(0-White, 1-Black, 2-Brown, 3-Red, 4-Orange, 5-Yellow, 6-Green, 7-Blue, 8-Purple, 9-Grey).

TG1031 SERIES

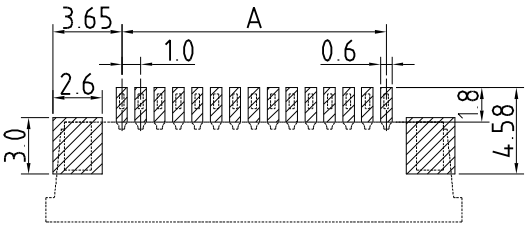
1.00mm Pitch FPC Connector

Unit : mm

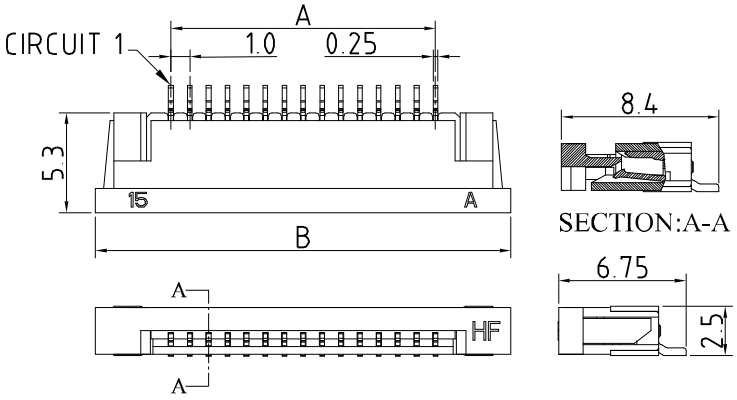
Wafer Right Angle

Features

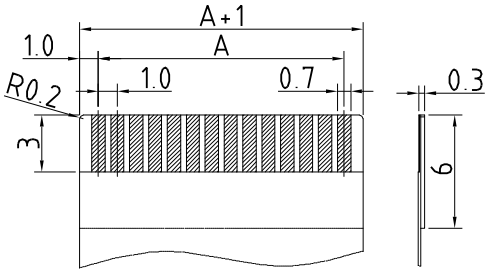
Available Number of Circuits: 04 - 30
Material: High Temperature Thermoplastic UL94V-0
Actuator: High Temperature Thermoplastic UL94V-0
Contact**:** 0.25mm(.012") Copper Alloy, Tin-plated



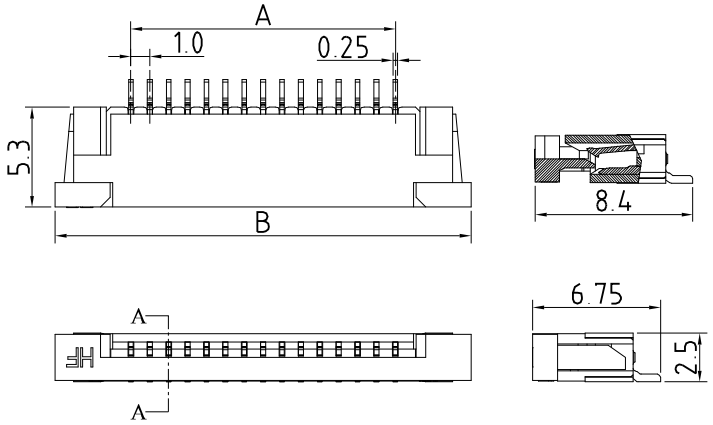
P.C.B LAYOUT



TG1031WNR-NPS-*-04



RECOMMENDED FPC DIMENSIONS



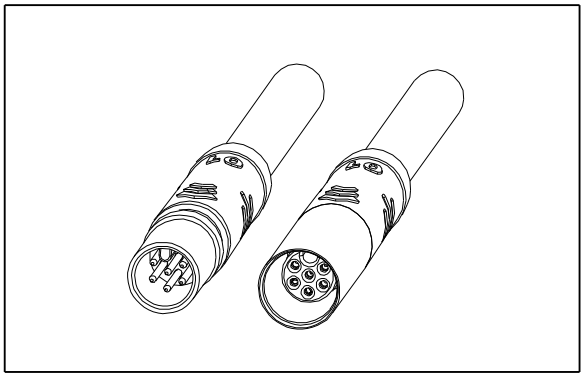
TG1031WNR-NPS-*-05

Dimension and Order Information

Circuits	Part No.	DIM.(mm)	
		A	B
4	TG1031WNR-04S-*-*	3.00	11.00
5	TG1031WNR-05S-*-*	4.00	12.00
6	TG1031WNR-06S-*-*	5.00	13.00
7	TG1031WNR-07S-*-*	6.00	14.00
8	TG1031WNR-08S-*-*	7.00	15.00
9	TG1031WNR-09S-*-*	8.00	16.00
10	TG1031WNR-10S-*-*	9.00	17.00
11	TG1031WNR-11S-*-*	10.00	18.00
12	TG1031WNR-12S-*-*	11.00	19.00
13	TG1031WNR-13S-*-*	12.00	20.00
14	TG1031WNR-14S-*-*	13.00	21.00
15	TG1031WNR-15S-*-*	14.00	22.00
16	TG1031WNR-16S-*-*	15.00	23.00
17	TG1031WNR-17S-*-*	16.00	24.00
18	TG1031WNR-18S-*-*	17.00	25.00
19	TG1031WNR-19S-*-*	18.00	26.00
20	TG1031WNR-20S-*-*	19.00	27.00
21	TG1031WNR-21S-*-*	20.00	28.00
22	TG1031WNR-22S-*-*	21.00	29.00
23	TG1031WNR-23S-*-*	22.00	30.00
24	TG1031WNR-24S-*-*	23.00	31.00
25	TG1031WNR-25S-*-*	24.00	32.00
26	TG1031WNR-26S-*-*	25.00	33.00
27	TG1031WNR-27S-*-*	26.00	34.00
28	TG1031WNR-28S-*-*	27.00	35.00
29	TG1031WNR-29S-*-*	28.00	36.00
30	TG1031WNR-30S-*-*	29.00	37.00

TW0601 SERIES

6 PIN Signal Cable



Specification

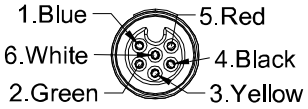
1.Electrical Performance
- **1-1. Rated voltage :** 48V
- **1-2. Rated current :** 2A
- **1-3. Dielectric Withstanding Voltage :** 500V
- **1-4. Insulation Resistance :** ≥20MΩ
- **1-5. Contact Resistance :** ≤10mΩ

2.Mechanical Performance :
- **2-1. Plug life :** 100 times

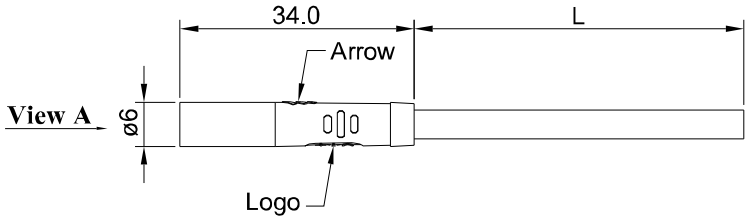
3.Environmental Performance :
- **3-1. Operation Temperature :** -25°C~80°C
- **3-2. Waterproof :** IP67

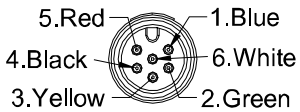
4.Wiring and appearance specifications :
- **4-1. Maximum outer diameter :**6.0mm
- **4-2. Contact :** Gold plating
- **4-3. Specification of conductor used :** 26AWG
- **4-4. Mating length :** 55mm

5.All materials comply with ROHS

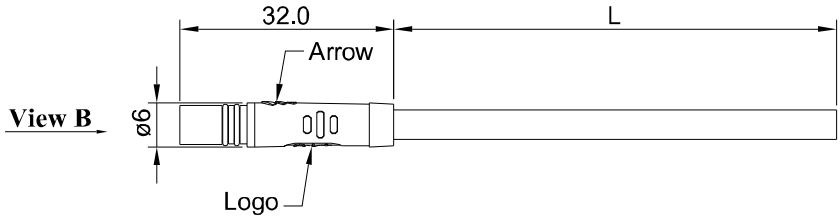


View A
Female



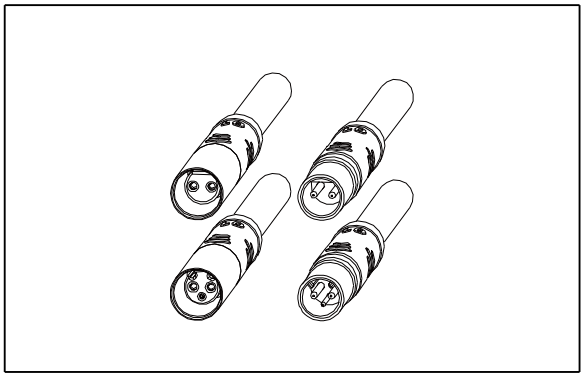


View B
Male



TW0603 SERIES

2+1 PIN / 2 PIN Signal Cable



Specification

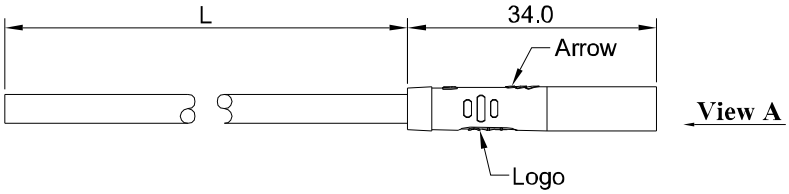
1.Electrical Performance
- **1-1. Rated voltage :** 48V
- **1-2. Rated current :** 5A(Power) / 2A(Signal)
- **1-3. Dielectric Withstanding Voltage :** 500V
- **1-4. Insulation Resistance :** ≥20MΩ
- **1-5. Contact Resistance :** ≤10mΩ

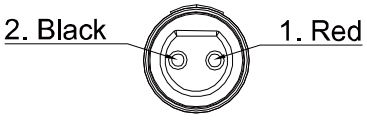
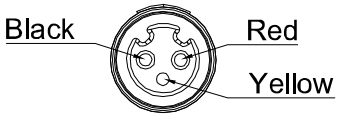
2.Mechanical Performance :
- **2-1. Plug life :** 100 times

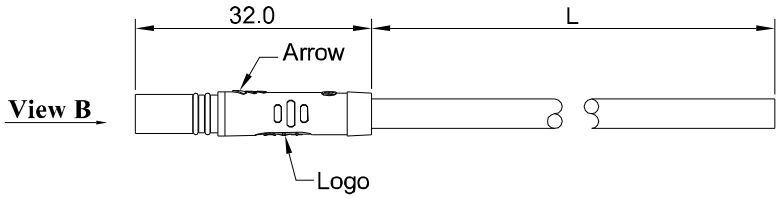
3.Environmental Performance :
- **3-1. Operation Temperature :** -25°C~80°C
- **3-2. Waterproof :** IP67

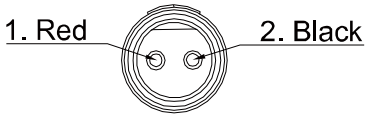
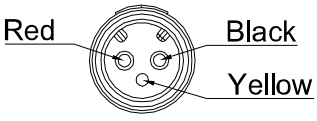
4.Wiring and appearance specifications :
- **4-1. Maximum outer diameter :** 6.0mm
- **4-2. Contact :Gold plating**
- **4-3. Specification of conductor used :** 26AWG
- **4-4. Mating length :** 55mm

5.All materials comply with ROHS



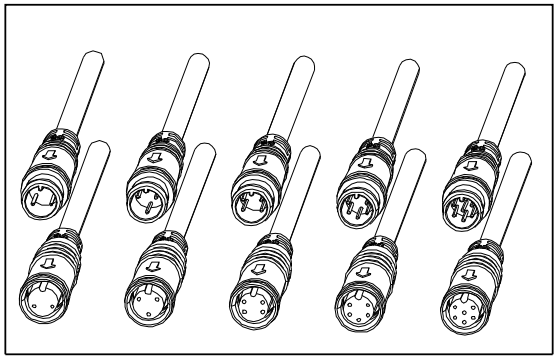
View A (Female)	
2P (Blue)	2+1 (Orange)
	
◎ P (5A max.)	○ S (2A max.) ◎ P (5A max.)



View B (Male)	
2P (Blue)	2+1 (Orange)
	
◎ P (5A max.)	○ S (2A max.) ◎ P (5A max.)

TW4002 SERIES

2~6 PIN Signal Cable



Specification

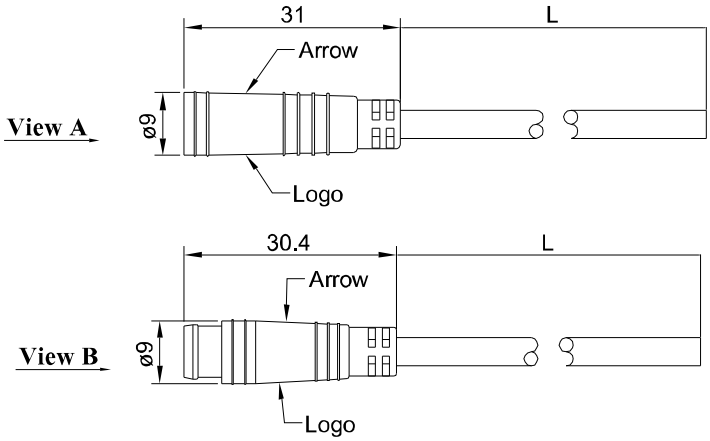
1.Electrical Performance
- **1-1. Rated voltage :** 48V
- **1-2. Rated current :** 2A
- **1-3. Dielectric Withstanding Voltage :** 500V
- **1-4. Insulation Resistance :** ≥20MΩ
- **1-5. Contact Resistance :** ≤10mΩ

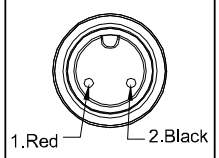
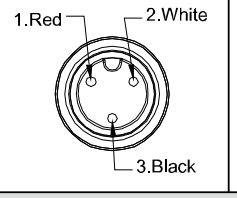
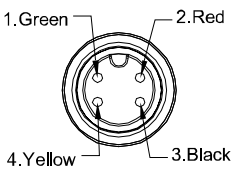
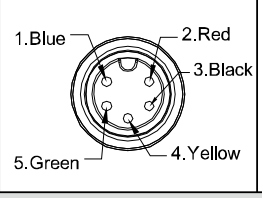
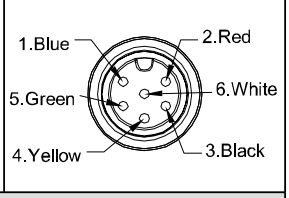
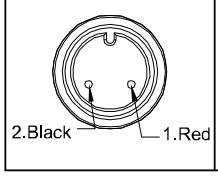
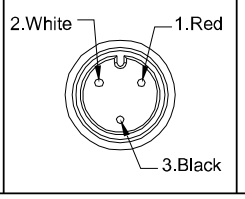
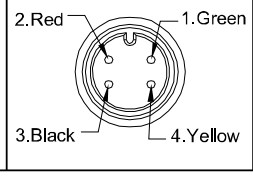
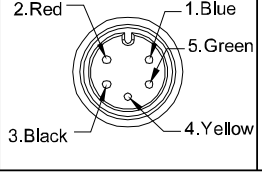
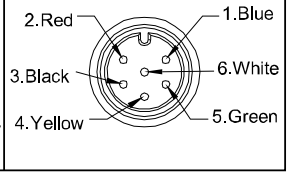
2.Mechanical Performance :
- **2-1. Mating life :** 200 cycles

3.Environmental Performance :
- **3-1. Operation Temperature :** -25°C~80°C
- **3-2. Waterproof :** IP66

4.Wiring and appearance specifications :
- **4-1. Maximum outer diameter :** 9.0mm
- **4-2. Contact :** Gold plating
- **4-3. Specification of conductor used :** 26AWG / 24Awg
- **4-4. Mating length :** 56mm

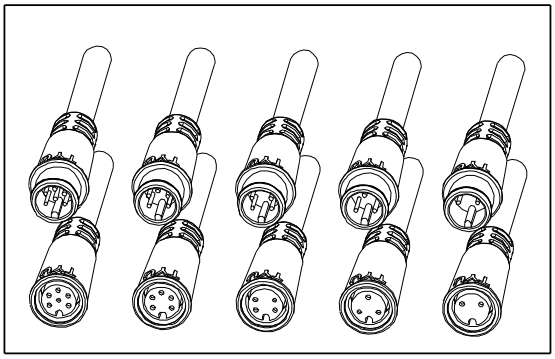
5.All materials comply with ROHS



View A (Female)				
2P	3P	4P	5P	6P
				
View B (Male)				
2P	3P	4P	5P	6P
				

TW0701 SERIES

2~6 PIN Signal Cable



Specification

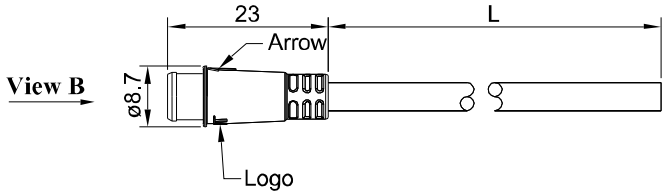
1.Electrical Performance
- **1-1. Rated voltage :** 48V
- **1-2. Rated current :** 2A
- **1-3. Dielectric Withstanding Voltage :** 500V
- **1-4. Insulation Resistance :** ≥20MΩ
- **1-5. Contact Resistance :** ≤10mΩ

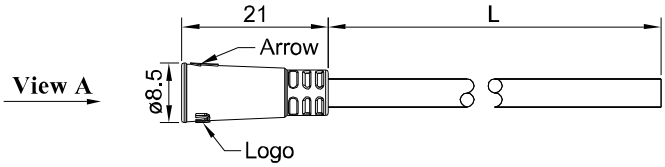
2.Mechanical Performance :
- **2-1. Mating life :** 200 cycles

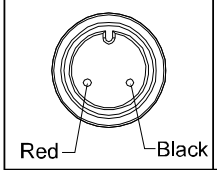
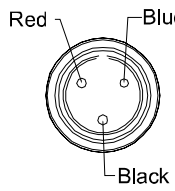
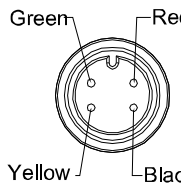
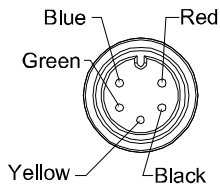
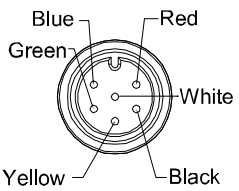
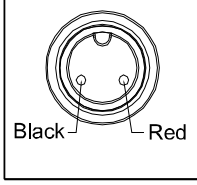
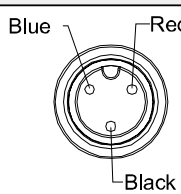
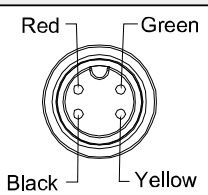
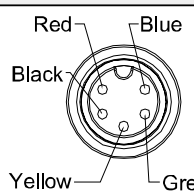
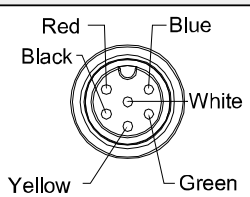
3.Environmental Performance :
- **3-1. Operation Temperature :** -25°C~80°C
- **3-2. Waterproof :** IP66

4.Wiring and appearance specifications :
- **4-1. Maximum outer diameter :** 8.7mm
- **4-2. Contact :** Gold plating
- **4-3. Specification of conductor used :** 26AWG / 24Awg
- **4-4. Mating length :** 39mm

5.All materials comply with RoHS

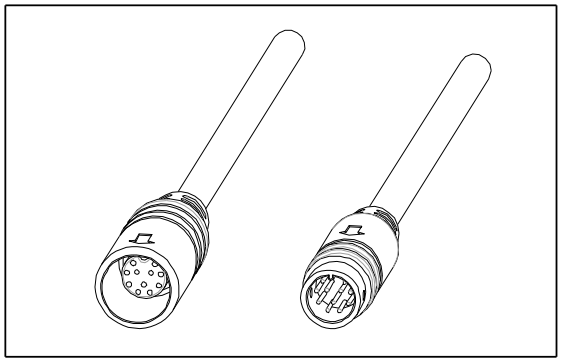




View A (Female)				
2P	3P	4P	5P	6P
				
View B (Male)				
2P	3P	4P	5P	6P
				

TW0921 SERIES

8~11 PIN Signal Cable



Specification

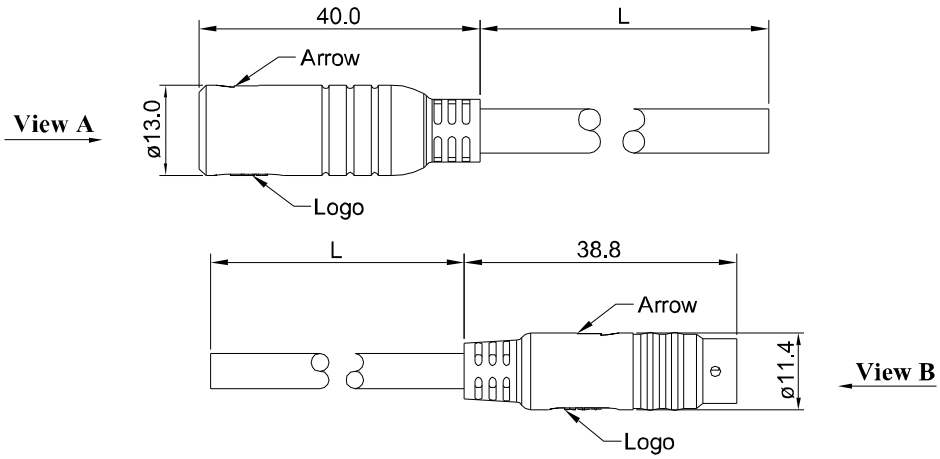
1.Electrical Performance
- **1-1. Rated voltage :** 48V
- **1-2. Rated current :** 2A
- **1-3. Dielectric Withstanding Voltage :** 500V
- **1-4. Insulation Resistance :** ≥20MΩ
- **1-5. Contact Resistance :** ≤10mΩ

2.Mechanical Performance :
- **2-1. Mating life :** 200 cycles

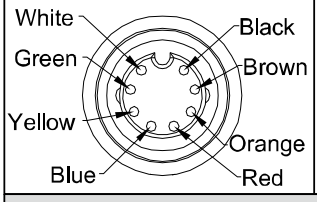
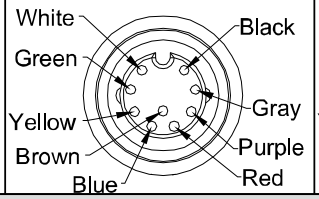
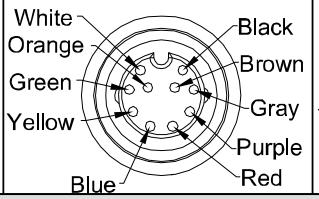
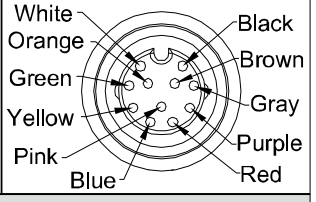
3.Environmental Performance :
- **3-1. Operation Temperature :** -25°C~80°C
- **3-2. Waterproof :** IP66

4.Wiring and appearance specifications :
- **4-1. Maximum outer diameter :** 13.0mm
- **4-2. Contact :** Gold plating
- **4-3. Specification of conductor used :** 26AWG / 24Awg
- **4-4. Mating length :** 63.5mm

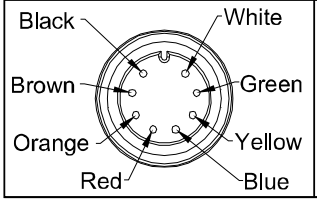
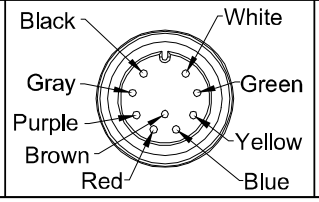
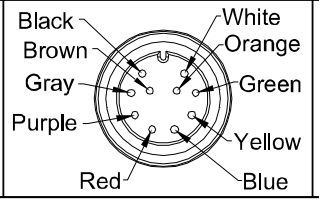
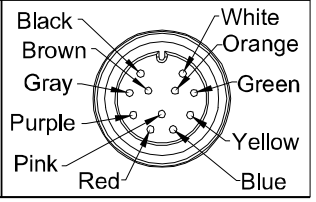
5.All materials comply with ROHS



View A (Female)

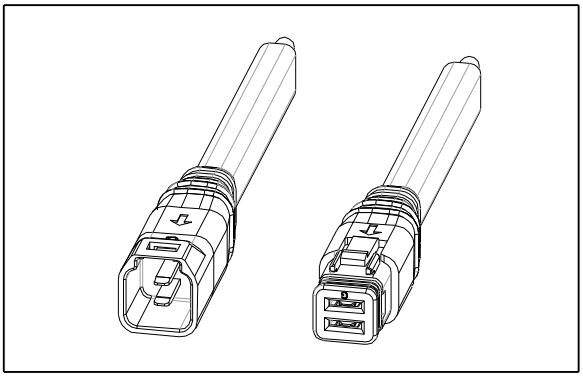
8P	9P	10P	11P
			

View B (Male)

8P	9P	10P	11P
			

TW1003 SERIES

2 PIN Power Cable



Specification

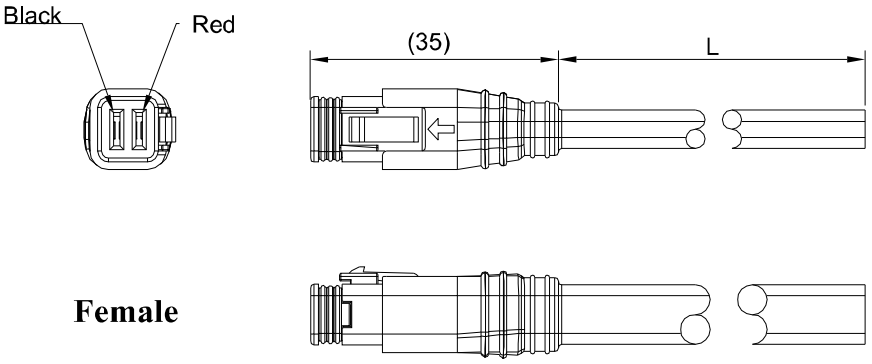
1.Electrical Performance
- **1-1. Rated voltage :** 48V
- **1-2. Rated current :** 20A
- **1-2. Dielectric Withstanding Voltage :** 500V
- **1-3. Insulation Resistance :** ≥20MΩ
- **1-4. Contact Resistance :** ≤10mΩ

2.Mechanical Performance :
- **2-1. Mating life :** 200 cycles

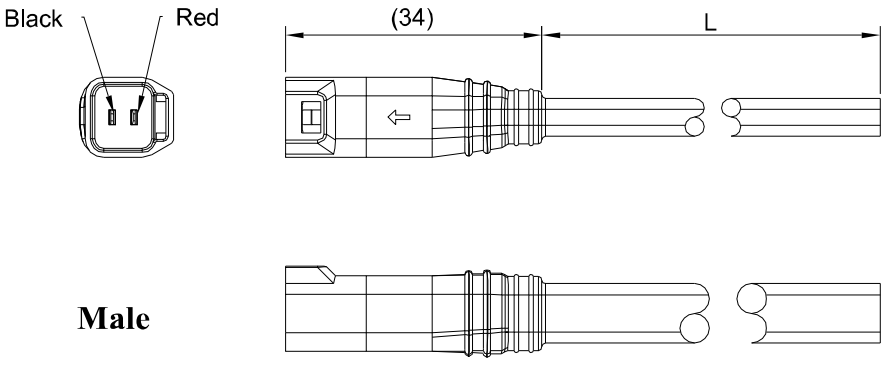
3.Environmental Performance :
- **3-1. Operation Temperature :** -25°C~80°C
- **3-2. Waterproof :** IP67

4.Wiring and appearance specifications :
- **4-1. Contact :** Nickel plating
- **4-2. Specification of conductor used :** 14Awg
- **4-3. Mating length :** 59.5mm

5.All materials comply with RoHs



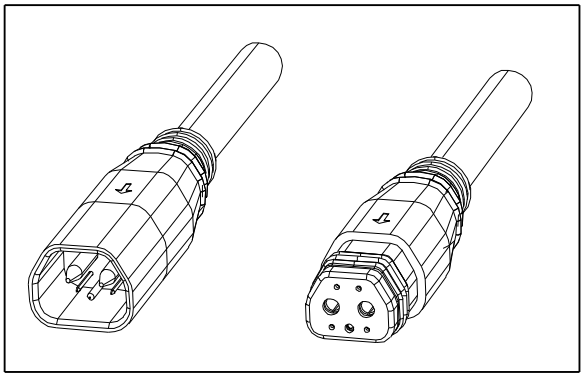
Female



Male

TW1203 SERIES

2+4 Pin & 2+5Pin Power + Signal Cable



Specification

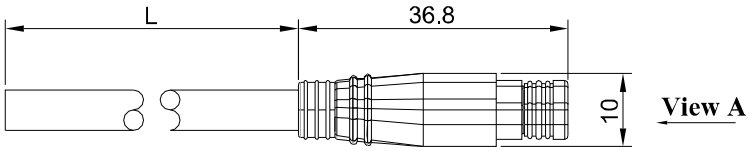
1.Electrical Performance
- **1-1. Rated voltage :** 48V
- **1-2. Rated current :** 20A(Power) /2A (Signal) / 5A(Charge)
- **1-3. Dielectric Withstanding Voltage :** 500V
- **1-4. Insulation Resistance :** ≥20MΩ
- **1-5. Contact Resistance :** ≤10mΩ

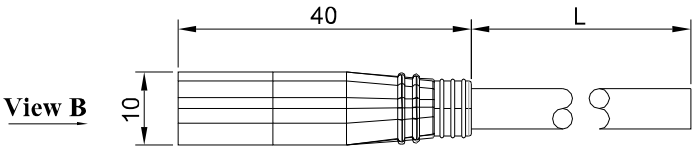
2.Mechanical Performance :
- **2-1. Mating life :** 100 cycles

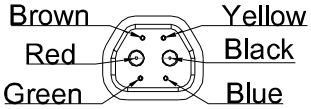
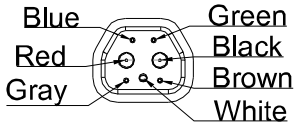
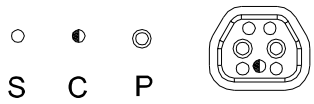
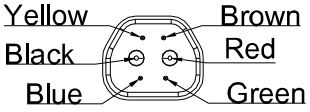
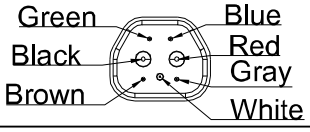
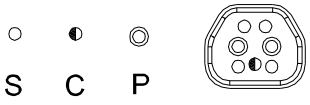
3.Environmental Performance :
- **3-1. Operation Temperature :** -25°C~80°C
- **3-2. Waterproof :** IP67

4.Wiring and appearance specifications :
- **4-1. Contact :** Gold plating
- **4-2. Specification of conductor used :** 16Awg / 26AWG
- **4-3. Mating length :** 66.9mm

5.All materials comply with ROHS

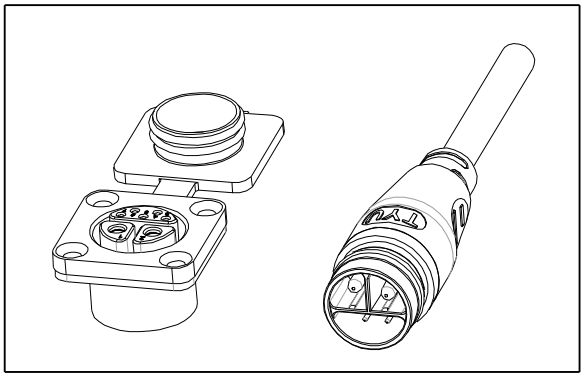




View A (Female)	
2+4 (Blue)	2+5 (Black)
	
	
View B (Male)	
2+4 (Blue)	2+5 (Black)
	
	

TW2561 SERIES

2+5 PIN Power+Signal Cable



Specification

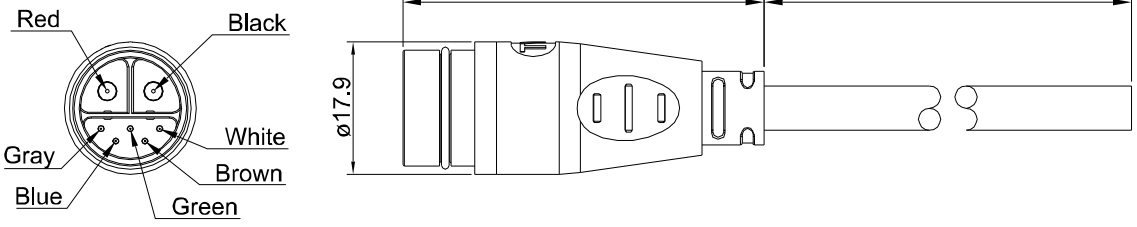
1.Electrical Performance
- **1-1. Rated voltage :** 48V
- **1-2. Rated current :** 25A (Power) / 5A (Signal)
- **1-3. Dielectric Withstanding Voltage :** 500V
- **1-4. Insulation Resistance :** ≥20MΩ
- **1-5. Contact Resistance :** ≤10mΩ

2.Mechanical Performance :
- **2-1. Mating life :** 3000 cycles (Not included O-ring)

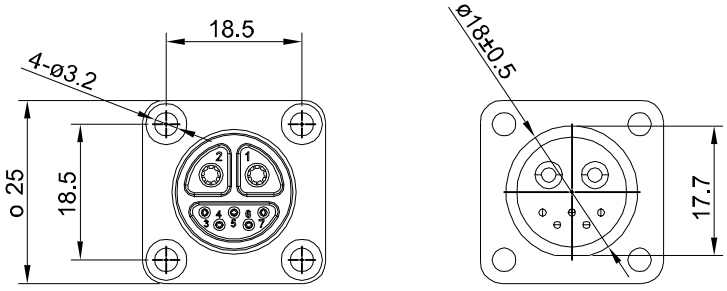
3.Environmental Performance :
- **3-1. Operation Temperature :** -25°C~80°C
- **3-2. Waterproof :** IP67

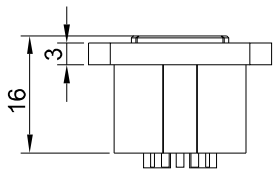
4.Wiring and appearance specifications :
- **4-1. Contact :** Gold plating

5.All materials comply with RoHs

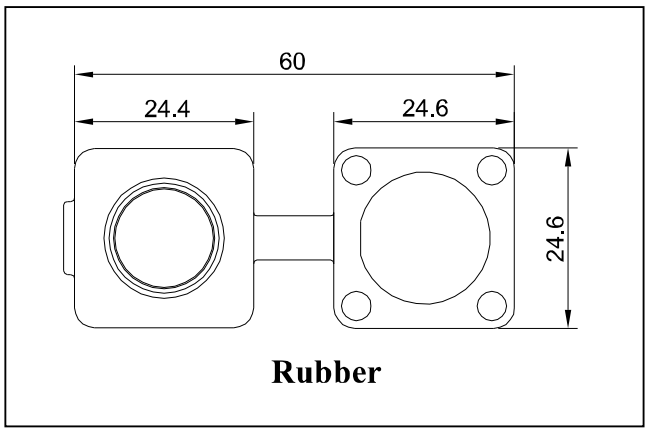


Male





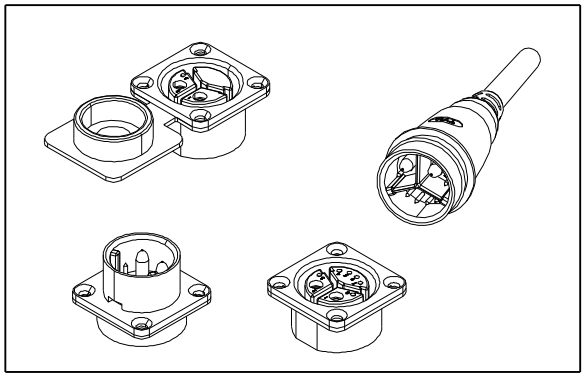
Female Connector



Rubber

TW2801 SERIES

2+6 PIN Power+Signal Cable



Specification

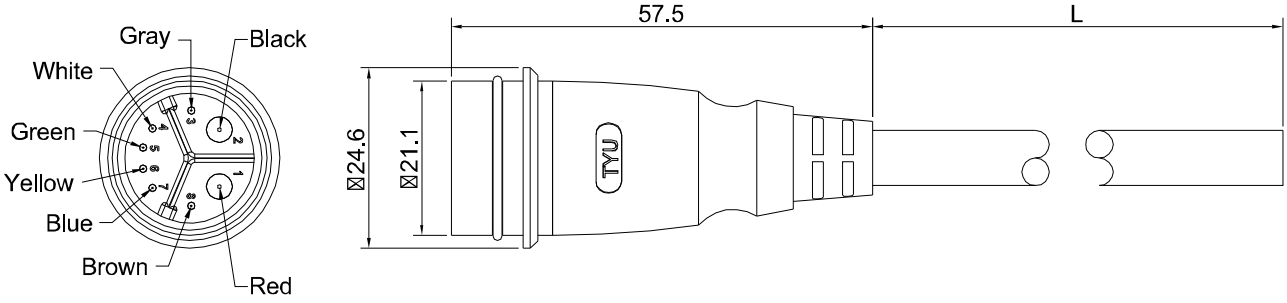
1.Electrical Performance
- **1-1. Rated voltage :** 48V
- **1-2. Rated current :** 30A (Power) / 2A (Signal)
- **1-3. Dielectric Withstanding Voltage :** 500V
- **1-4. Insulation Resistance :** ≥20MΩ
- **1-5. Contact Resistance :** ≤10mΩ

2.Mechanical Performance :
- **2-1. Mating life :** 2500 cycles

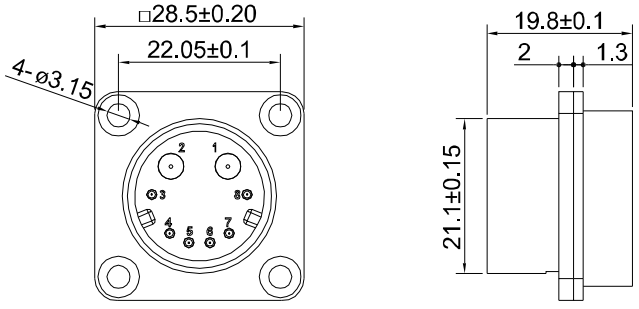
3.Environmental Performance :
- **3-1. Operation Temperature :** -25°C~80°C
- **3-2. Waterproof :** IP66/IP67

4.Wiring and appearance specifications :
- **4-1. Contact :** Gold plating

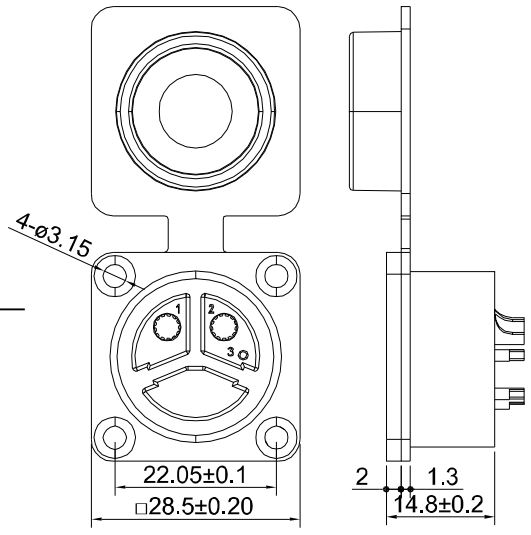
5.All materials comply with RoHs



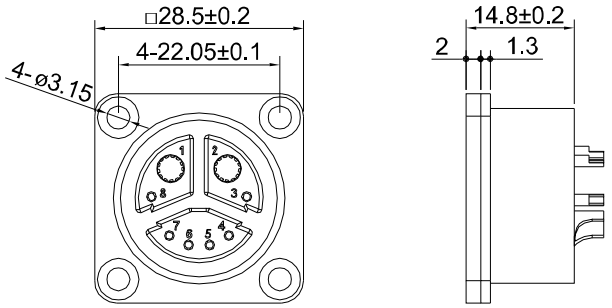
Male



Male Connector



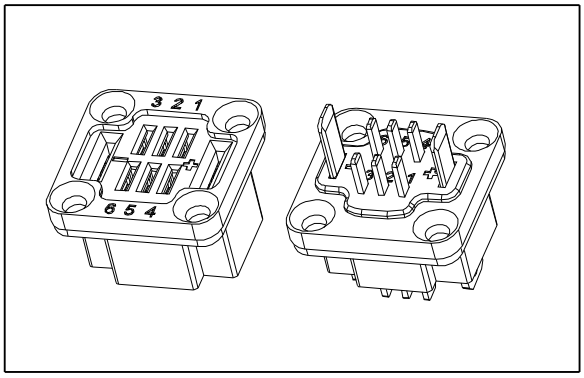
Female Connector 2+1



Female Connector 2+6

TW2582 SERIES

2+6 PIN Power+Signal Cable



Specification

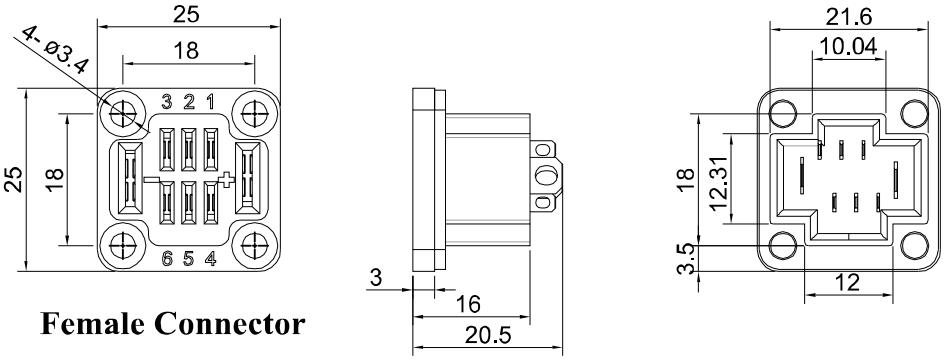
1.Electrical Performance
- **1-1. Rated voltage :** 48V
- **1-2. Rated current :** 30A (Power) / 5A (Signal)
- **1-3. Dielectric Withstanding Voltage :** 500V
- **1-4. Insulation Resistance :** ≥20MΩ
- **1-5. Contact Resistance :** ≤10mΩ

2.Mechanical Performance :
- **2-1. Mating life :** 1000 cycles

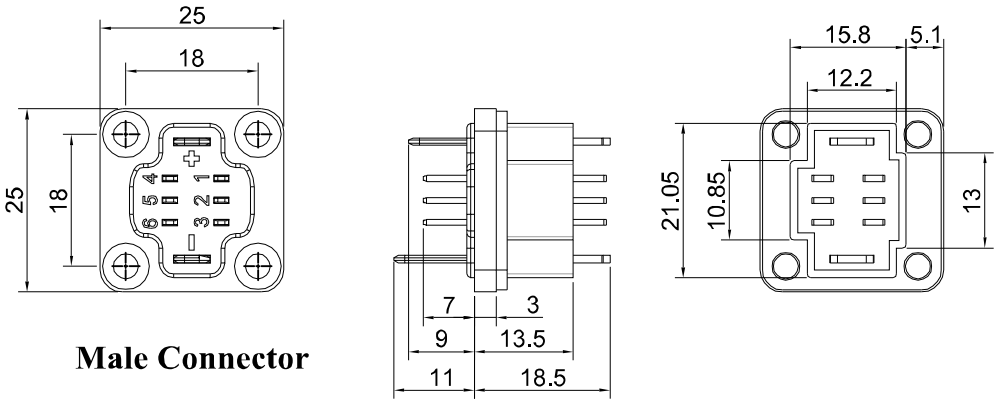
3.Environmental Performance :
- **3-1. Operation Temperature :** -25°C~80°C
- **3-2. Waterproof :** IP67

4.Wiring and appearance specifications :
- **4-1. Contact :** Nickel plating

5.All materials comply with RoHs



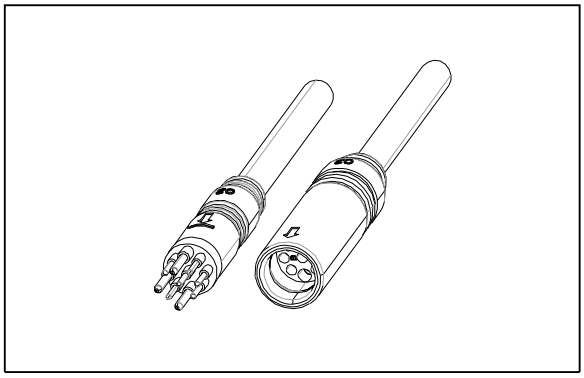
Female Connector



Male Connector

TW1015 SERIES

3+6 PIN Power + Signal Cable



Specification

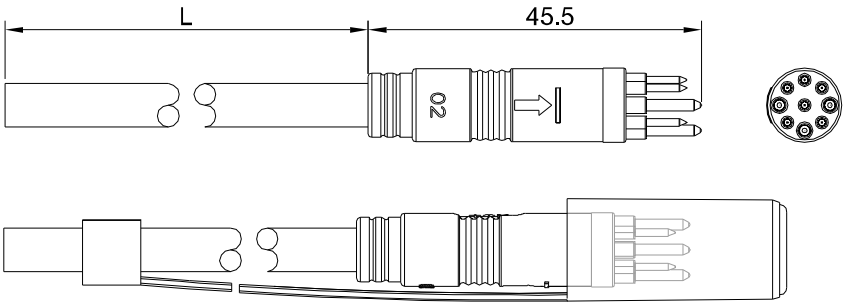
1.Electrical Performance
- **1-1. Rated Voltage :** 48V
- **1-2. Rated Current :** 14A(Power) / 2A (Signal)
- **1-2. Dielectric Withstanding Voltage :** 500V
- **1-3. Insulation Resistance :** ≥20MΩ
- **1-4. Contact Resistance :** ≤10mΩ

2.Mechanical Performance
- **2-1. Mating life :** 200 cycles

3.Environmental Performance
- **3-1. Operation Temperature : -**25°C~80°C
- **3-2. Waterproof :** IP66

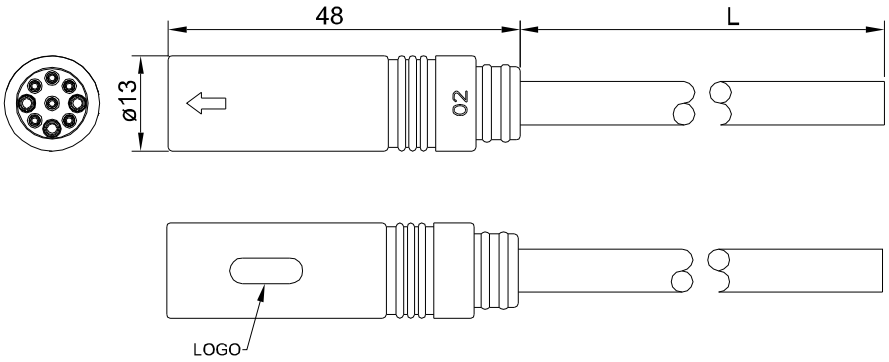
4.Wiring and appearance specifications
- **4-1. Contact :** Gold plating
- **4-2. Specification of conductor used :** 16Awg / 24Awg
- **4-3. Mating length :** 74.0mm

5.All materials comply with RoHs



1	YELLOW(16Awg)	6	YELLOW	
2	BLUE(16Awg)	7	BLUE	
3	GREEN(16Awg)	8	RED	
4	WHITE	9	BLACK	
5	GREEN			
CONN.	WIRE COLOR	CONN.	WIRE COLOR	
PIN OUT			PIN OUT	

Pin Assignments
Front View



1	YELLOW(16Awg)	6	YELLOW	
2	BLUE(16Awg)	7	BLUE	
3	GREEN(16Awg)	8	RED	
4	WHITE	9	BLACK	
5	GREEN			
CONN.	WIRE COLOR	CONN.	WIRE COLOR	
PIN OUT			PIN OUT	

Pin Assignments
Front View

MEMO

MEMO

MEMO

唐虞企業股份有限公司

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