



TE Internal #: 1-2355091-5

Connector Assembly, Plug, Wire-to-Board, 15 Position, 1.2 mm [.047 in] Centerline, 1 Row, Natural, Printed Circuit Board, Power & Signal, Board Mount

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings



Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Board**

Number of Positions: **15**

Centerline (Pitch): **1.2 mm [ .047 in ]**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Connector Product Type            | Connector Assembly    |
| Connector & Housing Type          | Plug                  |
| Connector System                  | Wire-to-Board         |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

|                     |    |
|---------------------|----|
| Number of Positions | 15 |
| Number of Rows      | 1  |

Electrical Characteristics

|                                       |         |
|---------------------------------------|---------|
| Operating Voltage                     | 50 VDC  |
| Termination Resistance                | 20 mΩ   |
| Insulation Resistance                 | 100 MΩ  |
| Dielectric Withstanding Voltage (Max) | 250 VAC |

Body Features

|                       |         |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|



Contact Features

|                                                      |         |
|------------------------------------------------------|---------|
| Contact Underplating Material                        | Nickel  |
| Contact Retention Within Housing                     | With    |
| PCB Contact Termination Area Plating Material Finish | Matte   |
| Contact Layout                                       | Inline  |
| Contact Base Material                                | Brass   |
| PCB Contact Termination Area Plating Material        | Pre-Tin |
| Contact Type                                         | Pin     |
| Contact Current Rating (Max)                         | 2 A     |

Mechanical Attachment

|                                       |                 |
|---------------------------------------|-----------------|
| Strain Relief                         | With            |
| Mating Retention Type                 | Detent Latching |
| PCB Mount Retention                   | Without         |
| Contact Retention Type Within Housing | Press-Fit       |
| Locking Latch Between Cavity Number   | None            |
| PCB Mount Retention Type              | Solder          |
| PCB Mount Alignment                   | Without         |
| PCB Mount Alignment Type              | None            |
| Mating Retention                      | With            |
| Connector Mounting Type               | Board Mount     |

Housing Features

|                             |                 |
|-----------------------------|-----------------|
| Housing Material            | PA 6T           |
| Housing Entry Configuration | Both Ends Open  |
| Centerline (Pitch)          | 1.2 mm[.047 in] |

Dimensions

|                             |                  |
|-----------------------------|------------------|
| Connector Width             | 6.85 mm[.269 in] |
| PCB Thickness (Recommended) | 1.6 mm[.062 in]  |
| Connector Height            | 6.7 mm[.263 in]  |
| Connector Length            | 21.1 mm[.83 in]  |

Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| Operating Temperature Range | -30 – 85 °C[-22 – 185 °F] |
|-----------------------------|---------------------------|

Operation/Application

|  |
|--|
|  |
|--|



|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

|                                             |           |
|---------------------------------------------|-----------|
| Compatible With Agency/Standards Products   | UL        |
| RAST Version                                | None      |
| UL Flammability Rating                      | UL 94V-0  |
| Compatible With Approved Standards Products | UL E28476 |

Packaging Features

|                  |             |
|------------------|-------------|
| Packaging Method | Reel/Carton |
|------------------|-------------|

Product Compliance

For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                               |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant                                                                                                                     |
| EU ELV Directive 2000/53/EC                   | Compliant                                                                                                                     |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold                                                                                       |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                |
| Solder Process Capability                     | Not reviewed for solder process capability                                                                                    |

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



TE Part # 1-2355088-5  
MICRO CT CONN MT REC  
ASSEMBLY 15P

Customers Also Bought



TE Part #1-2355091-7  
MICRO CT CONN SINGLE ROW HDR  
ASSY(V)17p



TE Part #1-2355091-6  
MICRO CT CONN SINGLE ROW HDR  
ASSY(V)16p



TE Part #2355091-6  
MICRO CT CONN SINGLE ROW HDR  
ASSY(V) 6p



TE Part #2-2355091-1  
MICRO CT CONN SINGLE ROW HDR  
ASSY(V)21p



TE Part #1-292230-6  
1.5 MINI CT SGL V SMT W/BOSS 1



TE Part #1-2355091-8  
MICRO CT CONN SINGLE ROW HDR  
ASSY(V)18p



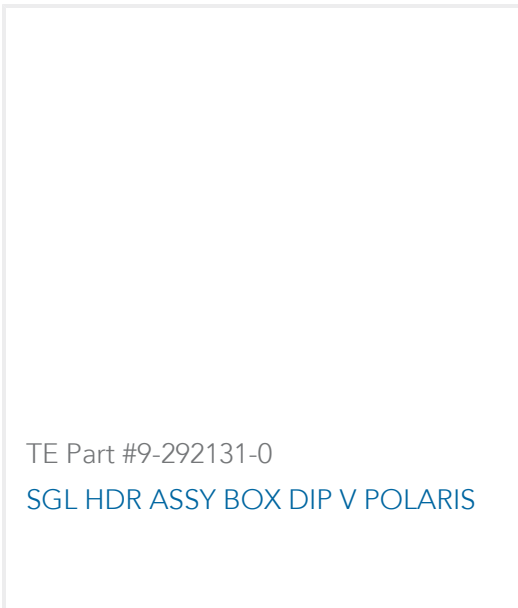
TE Part #2355091-7  
MICRO CT CONN SINGLE ROW HDR  
ASSY(V) 7p



TE Part #1-2355091-1  
MICRO CT CONN SINGLE ROW HDR  
ASSY(V)11p



TE Part #4-292208-8  
MINI CT D/R DIP 28P BLACK



TE Part #9-292131-0  
SGL HDR ASSY BOX DIP V POLARIS

Documents

Product Drawings

MICRO CT CONN SINGLE ROW HDR ASSY(V)15p

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-2355091-5\_E.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2355091-5\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2355091-5\\_E.3d\\_stp.zip](#)

English

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Datasheets & Catalog Pages

[1.2mm AMP Micro CT Connector Series](#)

English

Product Specifications

[Process Specification](#)

English

Agency Approvals

[UL](#)

English