

2355091-6  ACTIVE

TE Internal #: 2355091-6
Connector Assembly, Plug, Wire-to-Board, 6 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: **6**

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

Features

Industry Standards

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

Electrical Characteristics

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

Packaging Features

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

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 | 9.7 mm [.381 in] |

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] |

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 | 6 |
| Number of Rows | 1 |

Body Features

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

Usage Conditions

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

Operation/Application

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

Other

| | |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance | Compliant |

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 |

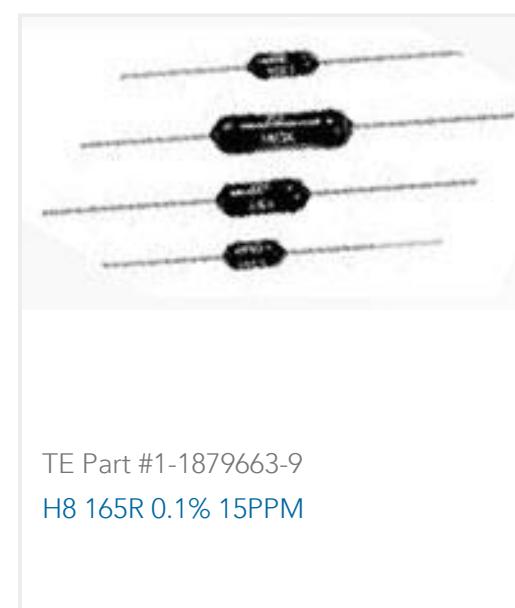
Product Compliance Disclaimer

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



Customers Also Bought



Documents

Product Drawings

[MICRO CT CONN SINGLE ROW HDR ASSY\(V\) 6p](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model[ENG_CVM_CVM_2355091-6_E.2d_dxf.zip](#)

English

Customer View Model[ENG_CVM_CVM_2355091-6_E.3d_igs.zip](#)

English

Customer View Model[ENG_CVM_CVM_2355091-6_E.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.**Datasheets & Catalog Pages**[1.2mm AMP Micro CT Connector Series](#)

English

Product Specifications[Process Specification](#)

English

Agency Approvals[UL](#)

English