



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **20**

Number of Rows: **2**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| PCB Connector Assembly Type       | PCB Mount Header      |
| Connector System                  | Board-to-Board        |
| Header Type                       | Partially Shrouded    |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

|                                  |              |
|----------------------------------|--------------|
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation            | Vertical     |
| Number of Positions              | 20           |
| Number of Rows                   | 2            |
| Board-to-Board Configuration     | Parallel     |

Electrical Characteristics

|                                       |          |
|---------------------------------------|----------|
| Insulation Resistance                 | 5000 MΩ  |
| Dielectric Withstanding Voltage (Max) | 750 Vrms |

Body Features

|                       |          |
|-----------------------|----------|
| Connector Profile     | Standard |
| Primary Product Color | Black    |

Contact Features



|   |                 |
|---|-----------------|
| PCB Contact Termination Area Plating Material Thickness | 3 µm            |
| Mating Pin Diameter                                     | .63 mm[.025 in] |
| Contact Shape & Form                                    | Round           |
| Contact Underplating Material                           | Nickel          |
| PCB Contact Termination Area Plating Material           | Tin             |
| Contact Base Material                                   | Phosphor Bronze |
| Contact Mating Area Plating Material                    | Gold            |
| Contact Mating Area Plating Material Thickness          | .8 µm[31.5 µin] |
| Contact Type  | Pin             |
| Contact Current Rating (Max)                            | 5 A             |

Termination Features

|   |                       |
|---|-----------------------|
| Round Termination Post & Tail Diameter      | .63 mm[.025 in]       |
| Termination Post & Tail Length              | 3.2 mm[.126 in]       |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

|                         |                 |
|-------------------------|-----------------|
| Mating Retention        | With            |
| Mating Retention Type   | Detent Latching |
| Mating Alignment        | With            |
| Mating Alignment Type   | Polarization    |
| PCB Mount Retention     | Without         |
| PCB Mount Alignment     | Without         |
| Connector Mounting Type | Board Mount     |

Housing Features

|                    |                |
|--------------------|----------------|
| Centerline (Pitch) | 2.54 mm[.1 in] |
| Housing Material   | PCT            |

Dimensions

|                             |                  |
|-----------------------------|------------------|
| Row-to-Row Spacing          | 2.54 mm[.1 in]   |
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Housing Temperature Rating  | High                       |
| Operating Temperature Range | -65 - 105 °C[-85 - 221 °F] |

Operation/Application

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



|                        |                |
|------------------------|----------------|
| Solder Process Feature | Board Standoff |
| Circuit Application    | Signal         |

Industry Standards

|   |                        |
|---|------------------------|
| Compatible With Agency/Standards Products   | CSA, UL                |
| Compatible With Approved Standards Products | CSA LR7189, CUL E28476 |
| UL Flammability Rating                      | UL 94V-0               |

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 200 |
| Packaging Method   | Box |

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 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.  |
| Solder Process Capability                     | Pin-in-Paste capable to 260°C   |

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

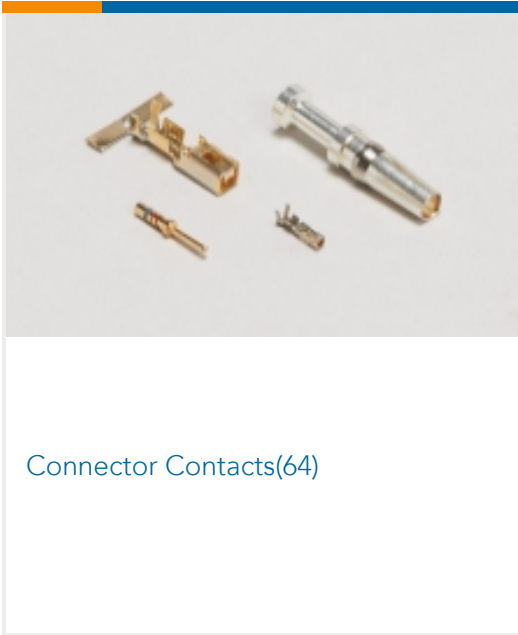


TE Part # 1-926476-0  
MOD 4 HSG

Also in the Series | AMPMODU Headers



Connector Caps & Covers(1)



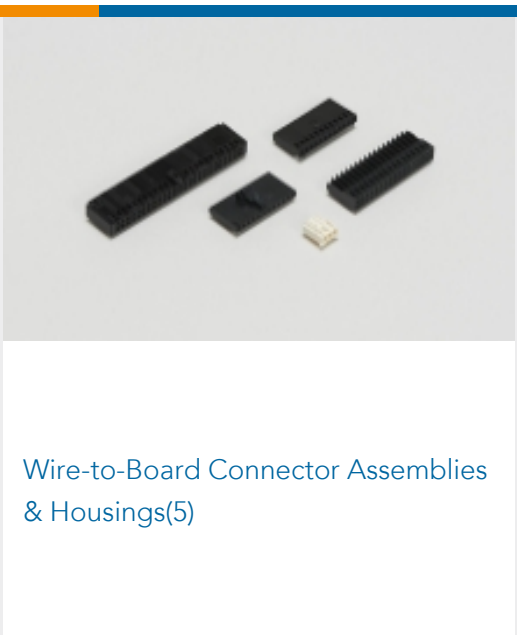
Connector Contacts(64)



Connector Hardware(2)



PCB Headers & Receptacles(4349)

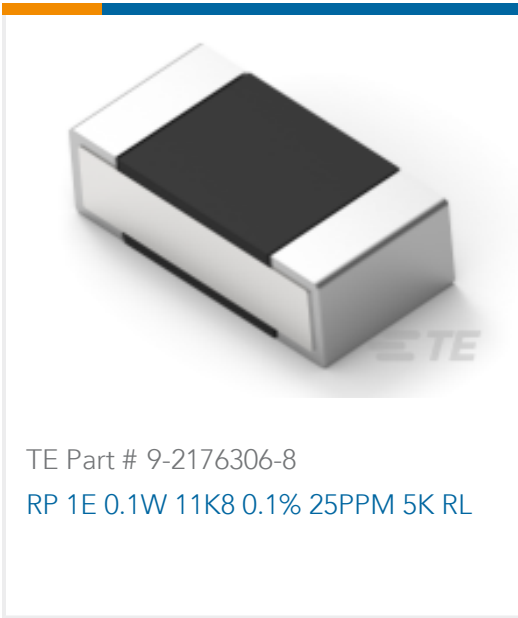


Wire-to-Board Connector Assemblies  
& Housings(5)

Customers Also Bought



TE Part # 826469-5  
2X5P MOD II SHROUDED HEADER, ST



TE Part # 9-2176306-8  
RP 1E 0.1W 11K8 0.1% 25PPM 5K RL



TE Part # 2-2176380-8  
RQ 0805 2K21 0.1% 10PPM 5K RL



TE Part # 1-826469-3  
2X13P MOD II SHROUDED HEADER, ST



TE Part # K1127366  
Switch guard 07-0-0-04



TE Part # 154717-E  
SMCB 12 F AB VV 7-03 CL \* H007 137 E002



TE Part # 244854-E  
SMCQ 12 M AB VV 8-03 CL \* H007 137 E005



TE Part # 254262-E  
SMCQ 12 F AB VV 7-03 CL \* 0007 137 E002



TE Part # 254273-E  
SMCB 12 M AB VV 7-03 CL \* 0007 137  
E004

Documents

Product Drawings

2X10P MOD II SHROUDED HEADER, ST

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-826469-0\_E.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-826469-0\_E.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-826469-0\_E.3d\_stp.zip

English

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Agency Approvals

UL Report

English