



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **12**

Number of Rows: **2**

Features

Product Type Features

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

Configuration Features

|                              |          |
|------------------------------|----------|
| Board-to-Board Configuration | Parallel |
| Stackable                    | Yes      |
| PCB Mount Orientation        | Vertical |
| Number of Positions          | 12       |
| Number of Rows               | 2        |

Electrical Characteristics

|                       |         |
|-----------------------|---------|
| Insulation Resistance | 5000 MΩ |
|-----------------------|---------|

Body Features

|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Contact Features

|                                                      |                 |
|------------------------------------------------------|-----------------|
| PCB Contact Termination Area Plating Material Finish | Matte           |
| Contact Mating Area Plating Material Thickness       | .381 μm[15 μin] |
| Mating Square Post Dimension                         | .64 mm[.025 in] |



|                                               |                 |
|-----------------------------------------------|-----------------|
|                                               | 100 – 200 µin   |
| Contact Shape & Form                          | Square          |
| Contact Mating Area Length                    | 8.38 mm[.33 in] |
| Contact Base Material                         | Brass           |
| PCB Contact Termination Area Plating Material | Tin             |
| Contact Mating Area Plating Material          | Gold (Au)       |
| Contact Type                                  | Pin             |
| Contact Current Rating (Max)                  | 3 A             |

Termination Features

|                                          |                       |
|------------------------------------------|-----------------------|
| Termination Post & Tail Length           | 2.54 mm[.1 in]        |
| Square Termination Post & Tail Dimension | .64 mm[.025 in]       |
| Termination Method to PCB                | Through Hole - Solder |

Mechanical Attachment

|                         |             |
|-------------------------|-------------|
| PCB Mount Retention     | Without     |
| PCB Mount Alignment     | Without     |
| Connector Mounting Type | Board Mount |
| Mating Alignment        | Without     |

Housing Features

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

Dimensions

|                             |                 |
|-----------------------------|-----------------|
| Row-to-Row Spacing          | 2.54 mm[.1 in]  |
| Stack Height                | 25.4 mm[1 in]   |
| PCB Thickness (Recommended) | 1.4 mm[.055 in] |

Operation/Application

|                          |        |
|--------------------------|--------|
| Assembly Process Feature | None   |
| Circuit Application      | Signal |

Industry Standards

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

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 120 |
|--------------------|-----|



Packaging Method

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 2023 (233)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free                                    |
| Solder Process Capability                     | Wave solder capable to 265°C                                                                                                  |

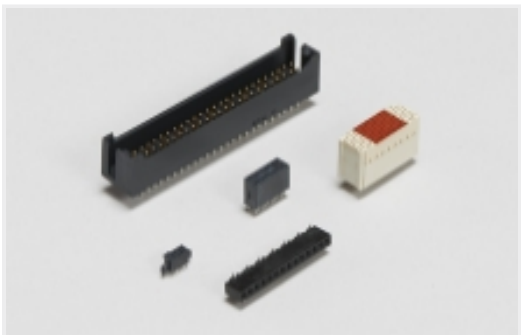
Product Compliance Disclaimer

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>

Also in the Series | AMPMODU Headers



Automotive Headers(1)



Board-to-Board Headers & Receptacles(1576)



Connector Contacts(47)



Connector Hardware(1)



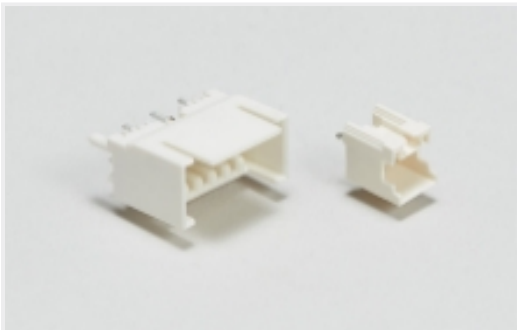
PCB Headers & Receptacles(1621)



Rectangular Power Connectors(43)



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



Wire-to-Board Headers & Receptacles (114)

Customers Also Bought



TE Part #12331-22  
CONT PIN (182-0441-22)



TE Part #12333-22  
CONT SOC ASSY



TE Part #9-146309-0  
80 MODII HDR DRR A B/A .100CL



TE Part #6-534206-0  
20 MODII VRT DR CE 100/115

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5-146509-6\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-146509-6\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-146509-6\_A.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

AMPMODU Interconnection System

AMPMODU Interconnection System

English