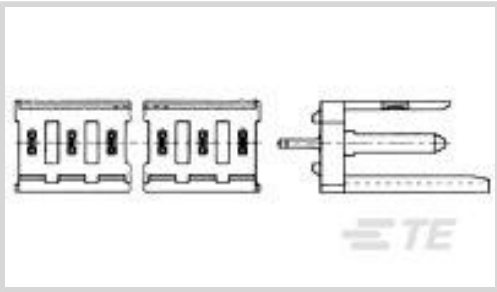




Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **4**

Number of Rows: **1**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| PCB Connector Assembly Type       | PCB Mount Header      |
| Connector System                  | Board-to-Board        |
| Header Type                       | Partially Shrouded    |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

|                                  |               |
|----------------------------------|---------------|
| Connector Contact Load Condition | Fully Loaded  |
| PCB Mount Orientation            | Right Angle   |
| Number of Positions              | 4             |
| Number of Rows                   | 1             |
| Board-to-Board Configuration     | Perpendicular |

Electrical Characteristics

|                                       |            |
|---------------------------------------|------------|
| Dielectric Withstanding Voltage (Max) | 750 VACrms |
|---------------------------------------|------------|

Body Features

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

Contact Features

|                            |                 |
|----------------------------|-----------------|
| Contact Mating Area Length | 10 mm[.393 in]  |
| Mating Tab Width           | 1.6 mm[.063 in] |



|                                                |                 |
|------------------------------------------------|-----------------|
| Mating Tab Thickness                           | .79 mm[.031 in] |
| PCB Contact Termination Area Plating Material  | Tin             |
| Contact Base Material                          | Brass           |
| Contact Mating Area Plating Material           | Gold            |
| Contact Mating Area Plating Material Thickness | .38 µm[15 µin]  |
| Contact Type                                   | Pin             |
| Contact Current Rating (Max)                   | 3 A             |

Termination Features

|                                               |                       |
|-----------------------------------------------|-----------------------|
| Rectangular Termination Post & Tail Thickness | .8 mm[.031 in]        |
| Rectangular Termination Post & Tail Width     | .9 mm[.035 in]        |
| Termination Post & Tail Length                | 3.3 mm                |
| Termination Method to PCB                     | Through Hole - Solder |

Mechanical Attachment

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

Housing Features

|                    |                  |
|--------------------|------------------|
| Centerline (Pitch) | 3.96 mm[.156 in] |
| Housing Material   | Polycarbonate GF |

Dimensions

|                             |                |
|-----------------------------|----------------|
| PCB Thickness (Recommended) | 1.6 mm[.06 in] |
|-----------------------------|----------------|

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -65 – 105 °C[-85 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards

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

Packaging Features

|                    |        |
|--------------------|--------|
| Packaging Quantity | 500    |
| 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: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>SVHC > Threshold:<br>Perfluorobutane sulfonic acid (PFBS) and its salts (.16% in Component Part)<br><b>Article Safe Usage Statements:</b><br>Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| 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>

Compatible Parts

TE Part # 182198-1  
MOD 1 CONTACT

TE Part # 280591  
AMPMODU MODU I REC HOUSING

TE Part # 181299-2  
MOD 1 CONTACT REC

TE Part # 181299-1  
MOD I CRIMP CONTACT

Also in the Series | AMPMODU MOD 1



Automotive Terminals(4)

Board-to-Board Jumpers & Shunts(5)

Connector Contacts(106)

Connector Hardware(2)

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(341)

Wire-to-Board Connector Assemblies & Housings(20)

Customers Also Bought

TE Part #4-1622825-9  
RL73K 3A R47 5% 4K RL

TE Part #280611-2  
6P MOD 1 SHROUDED HEADER, ST, 0.4 Au

TE Part #280617-2  
MOD I INCREMENTAL ASSY

TE Part #280609-2  
2P MOD 1 SHROUDED HEADER, ST, 0.4 Au

TE Part #3-2176350-2  
CRGCQ 2512 150K 5%

TE Part #826469-6  
2X6P MOD II SHROUDED HEADER, ST

TE Part #926498-1  
KEYING PART

TE Part #724762-1  
EI EXT TOOL

Documents

- CAD Files
- Customer View Model
- ENG\_CVM\_CVM\_280616-2\_S.2d\_dxf.zip
- English
- 3D PDF
- 3D
- Customer View Model
- ENG\_CVM\_CVM\_280616-2\_S.3d\_igs.zip

280616-2

PCB Mount Header, Right Angle, Board-to-Board, 4 Position, 3.96 mm [.156 in]  
Centerline, Partially Shrouded, Gold, AMPMODU MOD 1



English

Customer View Model

[ENG\\_CVM\\_CVM\\_280616-2\\_S.3d\\_stp.zip](#)

English

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

Agency Approvals

[UL Report](#)

English