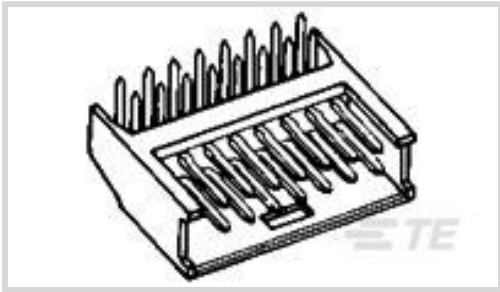




Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **24**

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            | Right Angle  |
| Number of Positions              | 24           |
| Number of Rows                   | 2            |

Electrical Characteristics

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

Body Features

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

Contact Features

|                                                         |        |
|---------------------------------------------------------|--------|
| PCB Contact Termination Area Plating Material Thickness | 2.5 µm |
| Contact Shape & Form                                    | Round  |



|                                                |                 |
|------------------------------------------------|-----------------|
| Contact Mating Area Plating Material Finish    | Bright          |
| PCB Contact Termination Area Plating Material  | Tin             |
| Contact Base Material                          | Brass           |
| Contact Mating Area Plating Material           | Gold            |
| Contact Mating Area Plating Material Thickness | .381 μm[15 μin] |
| Contact Type                                   | Pin             |

Termination Features

|                                             |                       |
|---------------------------------------------|-----------------------|
| Termination Post & Tail Length              | 3.5 mm[.138 in]       |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

|                         |              |
|-------------------------|--------------|
| Mating Retention        | With         |
| Panel Mount Feature     | Without      |
| 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   | Thermoplastic  |

Dimensions

|                    |                |
|--------------------|----------------|
| Row-to-Row Spacing | 2.54 mm[.1 in] |
|--------------------|----------------|

Usage Conditions

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

Operation/Application

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

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 250 |
| 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                     | 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 # 280515  
AMPMODU II REC. HSG, DUAL ROW,  
24 POS.

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 # 3-1622820-5  
3520 2R7 5%

TE Part # 1879217-7  
CPF 0603 240K 0.1% 25PPM 1K RL

TE Part # 2176331-4  
CRGP 2512 18R 1%

TE Part # 7-2176369-6  
RQ 0603 243R 0.1% 10PPM 5K RL

TE Part # 1SNG601139R0000  
EP-SG-M50-LGR-B

TE Part # 7-1622825-8  
RL73K 2B R10 2% 5K RL

TE Part # 215309-7  
2X7P HV100 REC CON. TE, 8.5MM

TE Part # 280392-2  
2X15P MODU II SHRD HDR,RT ANG, AU

Documents

Product Drawings  
2X12P MODU II SHRD HDR, RT ANG,AU  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_280522-2\_AB\_c-280522-2-ab.2d\_dxf.zip

280522-2

PCB Mount Header, Right Angle, Board-to-Board, 24 Position, 2.54 mm [.1 in]  
Centerline, Partially Shrouded, Gold, AMPMODU Headers



English

Customer View Model

[ENG\\_CVM\\_CVM\\_280522-2\\_AB\\_c-280522-2-ab.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_280522-2\\_AB\\_c-280522-2-ab.3d\\_stp.zip](#)

English

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