



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**  
PCB Mount Orientation: **Vertical**  
Connector System: **Wire-to-Board, Board-to-Board**  
Number of Positions: **8**  
Number of Rows: **1**

Features

Electrical Characteristics

|                                       |        |
|---------------------------------------|--------|
| Operating Voltage                     | 40 VDC |
| Dielectric Withstanding Voltage (Max) | 750 V  |

Dimensions

|                  |                  |
|------------------|------------------|
| Connector Width  | 5 mm[.2 in]      |
| Connector Height | 12.6 mm[.5 in]   |
| Connector Length | 27.69 mm[1.1 in] |

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 500 |
| Packaging Method   | Box |

Industry Standards

|                        |          |
|------------------------|----------|
| Industry Standard      | IEC      |
| UL Flammability Rating | UL 94V-0 |

Usage Conditions

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



|                             |                           |
|-----------------------------|---------------------------|
| Housing Temperature Rating  | Standard                  |
| Operating Temperature Range | -40 – 80 °C[-40 – 176 °F] |

Body Features

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

Mechanical Attachment

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

Termination Features

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

Contact Features

|                                                         |                                  |
|---------------------------------------------------------|----------------------------------|
| Contact Underplating Material                           | Nickel                           |
| Contact Underplating Material Thickness                 | 1.27 µm[50 µin]                  |
| Contact Mating Area Plating Material Thickness          | .381 µm[15 µin]                  |
| Mating Square Post Dimension                            | .63 mm[.025 in]                  |
| PCB Contact Termination Area Plating Material Thickness | 2.5 µm[98.42 µin]                |
| Contact Shape & Form                                    | Square                           |
| Contact Layout                                          | Inline                           |
| Contact Mating Area Length                              | 6.6 mm[.259 in]                  |
| Contact Base Material                                   | Brass                            |
| PCB Contact Termination Area Plating Material           | Tin                              |
| Contact Mating Area Plating Material Finish             | Bright                           |
| Contact Mating Area Plating Material                    | Gold Flash over Palladium Nickel |
| Contact Type                                            | Pin                              |
| Contact Current Rating (Max)                            | 3 A                              |

Housing Features

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



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

Configuration Features

|                                  |              |
|----------------------------------|--------------|
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation            | Vertical     |
| Number of Positions              | 8            |
| Number of Rows                   | 1            |

Product Type Features

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

Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | 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)<br>Candidate List Declared Against: JUNE 2024 (241)<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 # 280361  
AMPMODU II REC. HSG, SINGLE  
ROW 8 POS

Also in the Series | AMPMODU Headers

Automotive Headers(3)

Board-to-Board Headers & Receptacles(1571)

Connector Contacts(52)

Connector Hardware(1)

PCB Headers & Receptacles(1618)

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

Wire-to-Board Headers & Receptacles (116)

Customers Also Bought



TE Part #4-1415053-1  
SR4M4024

TE Part #9-1879336-7  
CPF 0603 2K32 1% 50PPM 1K RL

TE Part #1-1879352-1  
RR02 5% R82 AMMO

TE Part #207120-9  
METRIMATE PIN HDR ASY,12P LF

TE Part #280370-2  
2P AMPMODU II SHRD HDR, ST, 0.38 AU

TE Part #3-1623930-4  
CFR25 5% 1K8

TE Part #368028-1  
STD POWER TIMER REC-W/O LATCH

TE Part #3-1614893-5  
CPF 0805 28K7 0.1% 25PPM 1K RL

TE Part #1-1546409-1  
ETHERNET RECEPTACL W/PC BOARD

TE Part #1-2176584-7  
RLC73PD 2B R887 1% 1K RL

Documents

Product Drawings

8P AMPMODU II SHRD HDR, ST, 0.38AU

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_280373-2\_U\_c-280373-2-u.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_280373-2\_U\_c-280373-2-u.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_280373-2\_U\_c-280373-2-u.3d\_stp.zip

English

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