



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: **1**

Number of Rows: **1**

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| PCB Connector Assembly Type | PCB Mount Header |
| Connector System | Board-to-Board |
| Header Type | Unshrouded |
| 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 | 1 |
| Number of Rows | 1 |
| Board-to-Board Configuration | Perpendicular |

Electrical Characteristics

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

Body Features

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

Contact Features

| | |
|------------------------------|-----------------|
| Mating Square Post Dimension | .64 mm[.025 in] |
| Contact Shape & Form | Square |



| | |
|--|-----------------|
| Contact Underplating Material | Nickel |
| PCB Contact Termination Area Plating Material | Gold Flash |
| Contact Base Material | Phosphor Bronze |
| Contact Mating Area Plating Material | Gold |
| Contact Mating Area Plating Material Thickness | .76 μm[30 μin] |
| Contact Type | Pin |
| Contact Current Rating (Max) | 3 A |

Termination Features

| | |
|--|-----------------------|
| Square Termination Post & Tail Dimension | .64 mm[.025 in] |
| Termination Post & Tail Length | 2.79 mm[.11 in] |
| Termination Method to PCB | Through Hole - Solder |

Mechanical Attachment

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

Housing Features

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

Dimensions

| | |
|-----------------------------|-----------------|
| PCB Thickness (Recommended) | 1.4 mm[.055 in] |
|-----------------------------|-----------------|

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Housing Temperature Rating | Standard |
| Operating Temperature Range | -55 – 125 °C[-67 – 257 °F] |

Operation/Application

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

Industry Standards

| | |
|---|-----------------------|
| UL Rating | Recognized |
| Compatible With Agency/Standards Products | CSA, UL |
| 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) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC |
| Halogen Content | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources. |
| Solder Process Capability | Wave solder capable to 240°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



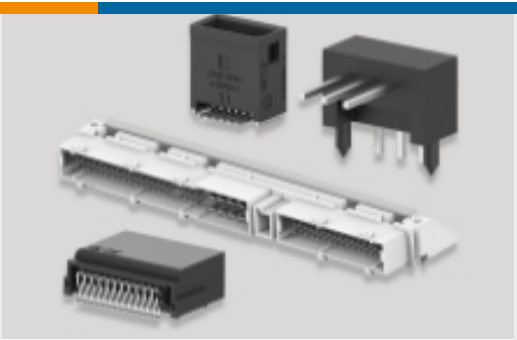
Connector Caps & Covers(1)



Connector Contacts(64)



Connector Hardware(2)



PCB Headers & Receptacles(3202)



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

Customers Also Bought

TE Part #4-1609157-1
1EJT1F=F8133A

TE Part #5747024-3
RFI GASKET, SIZE 1, PLATED

TE Part #3-215297-6
36P HV100 REC CON. TE, 7.0MM

TE Part #CONSMA010
SMA Jack to SMA Plug RA

TE Part #87232-4
04 MODII HDR SRRA UNSHRD .100

Documents

- CAD Files

Customer View Model

ENG_CVM_87232-1_H.3d_igs.zip

English
- Customer View Model

ENG_CVM_87232-1_H.3d_stp.zip

English
- Customer View Model

ENG_CVM_87232-1_H.2d_dxf.zip

English
- 3D PDF

English

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

- Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION5

English

