

4-146494-0 ✓ ACTIVE

AMPMODU | [AMPMODU Headers](#)

TE Internal #: 4-146494-0

PCB Mount Header, Vertical, Board-to-Board, 80 Position, 2.54 mm
[.1 in] Centerline, Unshrouded, Gold (Au), Through Hole - Solder,
AMPMODU Headers

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **80**

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 |
| Connector Product Type | Connector Assembly |

Configuration Features

| | |
|------------------------------|----------|
| Board-to-Board Configuration | Parallel |
| Stackable | Yes |
| PCB Mount Orientation | Vertical |
| Number of Positions | 80 |
| Number of Rows | 2 |

Electrical Characteristics

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

Body Features

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

Contact Features

| | |
|--|-----------------|
| 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 | Copper Alloy |
| PCB Contact Termination Area Plating Material | Tin-Lead |
| 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 | 12.7 mm[.5 in] |
| PCB Thickness (Recommended) | 1.4 mm[.055 in] |

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -65 – 125 °C[-85 – 257 °F] |
|-----------------------------|----------------------------|

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

75

Packaging Method

Carton

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU

Not Compliant

EU ELV Directive 2000/53/EC

Compliant with Exemptions

China RoHS 2 Directive MIIT Order No 32, 2016

Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JAN 2025
(247)
Candidate List Declared Against: JAN 2025
(247)
SVHC > Threshold:
Pb (13% in 4690971273)

Article Safe Usage Statements:

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

Not Low Halogen - contains Br or Cl > 900 ppm.

Solder Process Capability

Wave solder capable to 240°C

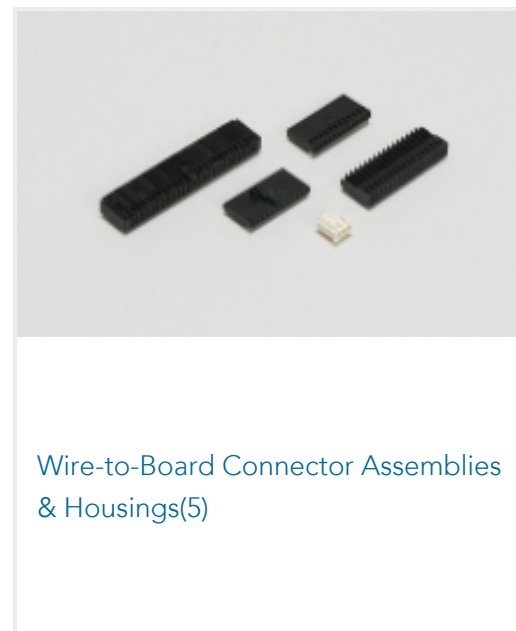
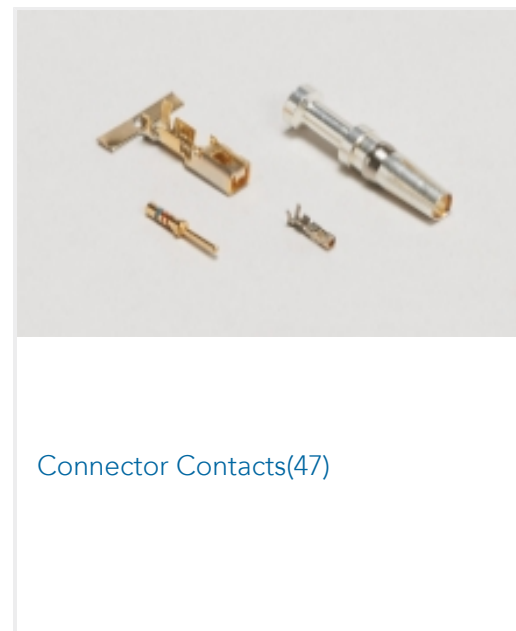
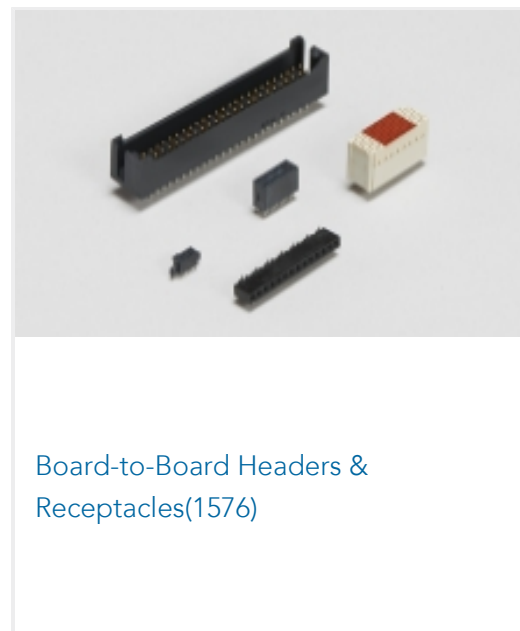
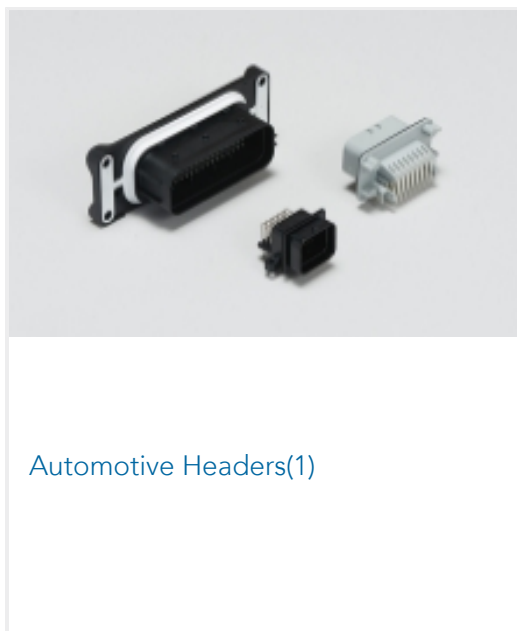
Product Compliance Disclaimer

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>

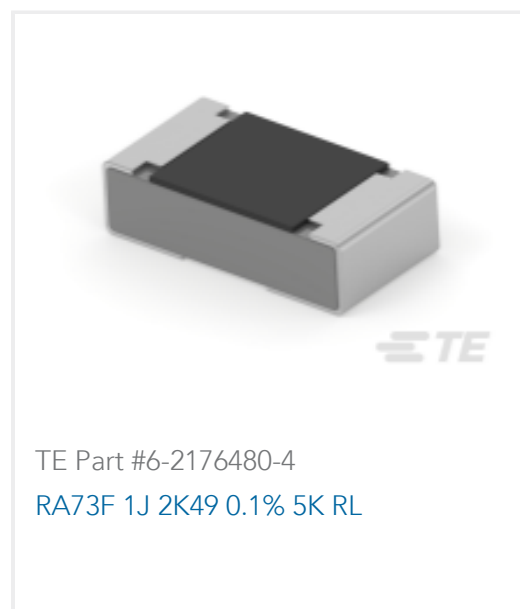
Compatible Parts



Also in the Series | AMPMODU Headers



Customers Also Bought





Documents

Product Drawings

[80 MODII HDR DRST UNSHRD STKG](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_4-146494-0_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-146494-0_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-146494-0_C.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