

2-146455-4 ✓ ACTIVE

AMPMODU | [AMPMODU Headers](#)

TE Internal #: 2-146455-4

PCB Mount Header, Vertical, Board-to-Board, 24 Position, 2.54 mm
[.1 in] Centerline, Unshrouded, Tin-Lead, Through Hole - Solder,
AMPMODU Headers

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Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **24**

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

| | |
|------------------------------|----------|
| Stackable | Yes |
| PCB Mount Orientation | Vertical |
| Number of Positions | 24 |
| Number of Rows | 1 |
| Board-to-Board Configuration | Parallel |

Electrical Characteristics

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

Body Features

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

Contact Features

| | |
|----------------------------|------------------|
| Contact Mating Area Length | 2.79 mm[.109 in] |
|----------------------------|------------------|



| | |
|--|--|
| Mating Square Post Dimension | .64 mm[.025 in] |
| | 50 μ m |
| Contact Layout | Inline |
| Contact Shape & Form | Square |
| PCB Contact Termination Area Plating Material | Tin-Lead |
| Contact Base Material | Copper Alloy |
| Contact Mating Area Plating Material | Tin-Lead |
| Contact Mating Area Plating Material Thickness | 2.54 – 5.08 μ m[100 – 200 μ m] |
| Contact Type | Pin |
| Contact Current Rating (Max) | 3 A |

Termination Features

| | |
|---|-----------------------|
| Square Termination Post & Tail Dimension | .64 mm[.025 in] |
| Termination Post & Tail Length | 3.3 mm[.13 in] |
| Termination Method to Printed Circuit Board | 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 | Thermoplastic |

Dimensions

| | |
|-----------------------------|-----------------|
| Stack Height | 5.08 mm[.2 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 | Pick and Place Cover |
| Circuit Application | Signal |

Industry Standards

| | |
|--------------------|-----------------------|
| Approved Standards | CSA LR7189, UL E28476 |
|--------------------|-----------------------|



UL Flammability Rating

UL 94V-0

Packaging Features

Packaging Quantity

150

Packaging Type

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

Not Compliant

China RoHS 2 Directive MIIT Order No 32, 2016

Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2023 (235)

Candidate List Declared Against: JUNE 2023 (235)

SVHC > Threshold:

Pb (13% in Component Part)

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

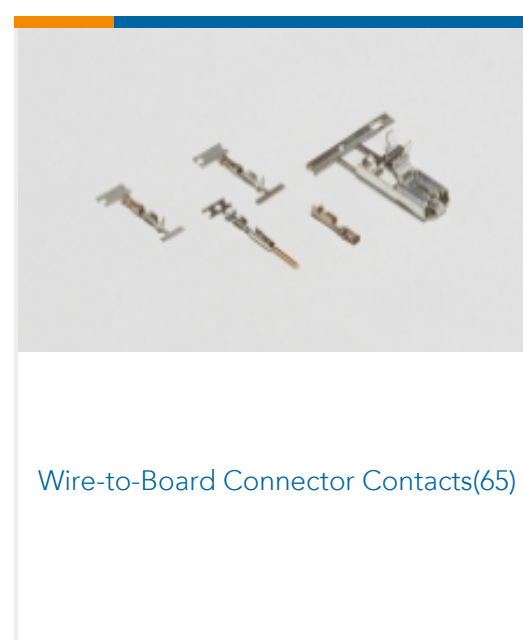
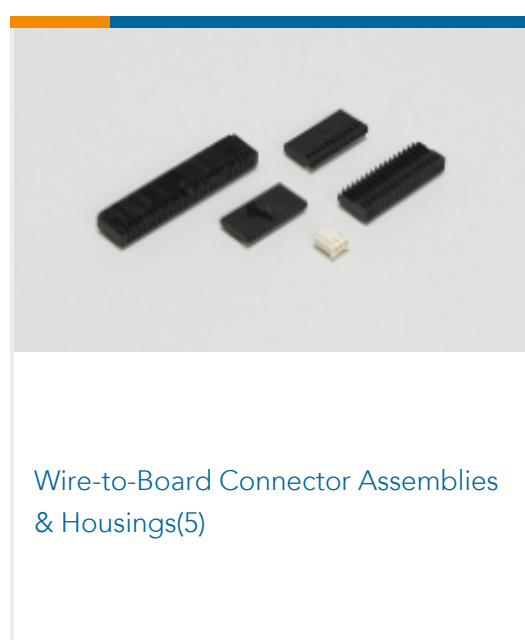
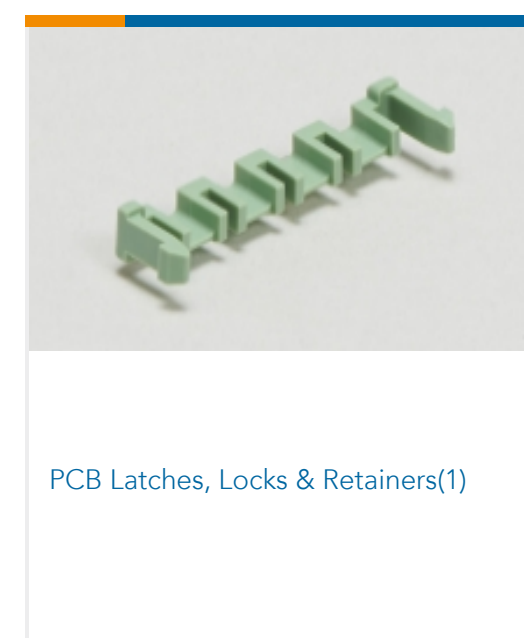
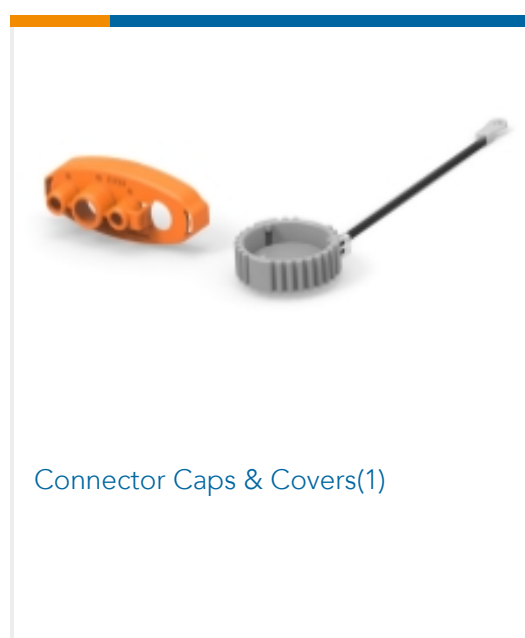
Product Compliance Disclaimer

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

24 MODII HDR SRST UNSHRD STKG

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2-146455-4_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-146455-4_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-146455-4_B.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