

3-146459-5 ✓ ACTIVE

AMPMODU | [AMPMODU Headers](#)

TE Internal #: 3-146459-5

PCB Mount Header, Vertical, Board-to-Board, 35 Position, 2.54 mm  
[.1 in] Centerline, Breakaway, 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: **35**

Number of Rows: **1**

## Features

### Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| PCB Connector Assembly Type       | PCB Mount Header      |
| Connector System                  | Board-to-Board        |
| Header Type                       | Breakaway             |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |

### Configuration Features

|                              |          |
|------------------------------|----------|
| Stackable                    | Yes      |
| PCB Mount Orientation        | Vertical |
| Number of Positions          | 35       |
| Number of Rows               | 1        |
| Board-to-Board Configuration | Parallel |

### Electrical Characteristics

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

### Body Features

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

### Contact Features

|                              |                  |
|------------------------------|------------------|
| Contact Mating Area Length   | 2.79 mm[.109 in] |
| Mating Square Post Dimension | .64 mm[.025 in]  |



|   |   |
|---|---|
| PCB Contact Termination Area Plating Material Thickness | 2.54 – 5.08 $\mu\text{m}$ [100 – 200 $\mu\text{in}$ ] |
| Contact Layout  | Inline  |
| Contact Underplating Material Thickness                 | 1.27 $\mu\text{m}$ [50 $\mu\text{in}$ ]               |
| PCB Contact Termination Area Plating Material Finish    | Matte   |
| Contact Shape & Form                                    | Square  |
| Contact Underplating Material                           | Nickel  |
| 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 $\mu\text{m}$ [100 – 200 $\mu\text{in}$ ] |
| Contact Type  | Pin   |
| Contact Current Rating (Max)                            | 3 A   |

#### Termination Features

|   |                       |
|---|-----------------------|
| Square Termination Post & Tail Dimension    | .64 mm[.025 in]       |
| Termination Post & Tail Length              | 2.72 mm[.107 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                | 10.16 mm[.4 in]  |
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |

#### Usage Conditions

|                             |  |
|-----------------------------|--|
| Operating Temperature Range | -65 – 125 $^{\circ}\text{C}$ [-85 – 257 $^{\circ}\text{F}$ ] |
|-----------------------------|--|

#### Operation/Application

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

#### Industry Standards



|                        |                       |
|------------------------|-----------------------|
| Agency/Standard        | CSA, UL               |
| Approved Standards     | CSA LR7189, UL E28476 |
| UL Flammability Rating | UL 94V-0              |

### Packaging Features

|                    |        |
|--------------------|--------|
| Packaging Quantity | 125    |
| 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)<br>Candidate List Declared Against: JUNE 2023 (235)<br>SVHC > Threshold:<br>Pb (13% in Component Part)<br><b>Article Safe Usage Statements:</b><br>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

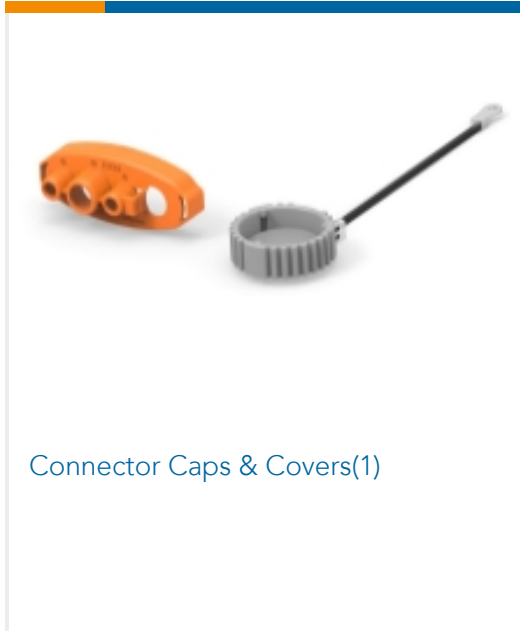
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



TE Part # 3-146458-5  
35 MODII HDR SRST UNSHRD STKG

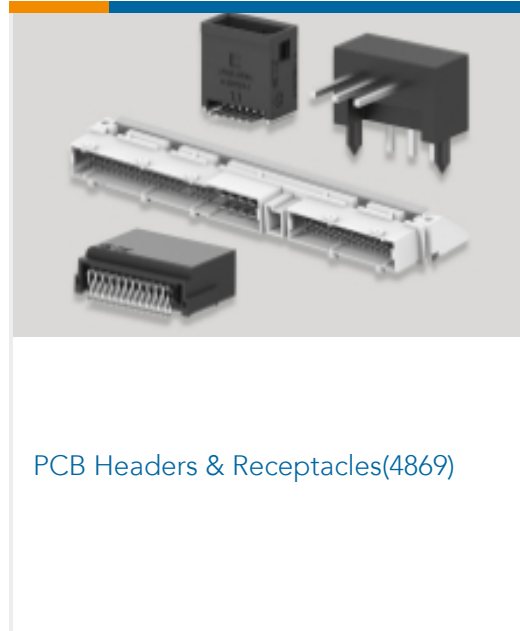
### Also in the Series | AMPMODU Headers



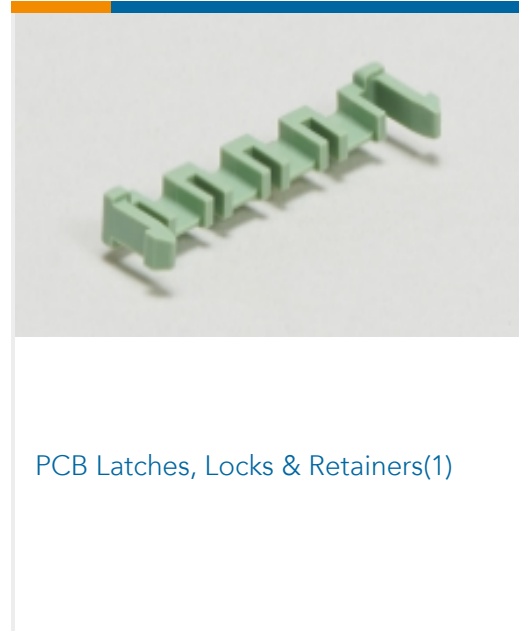
Connector Caps & Covers(1)



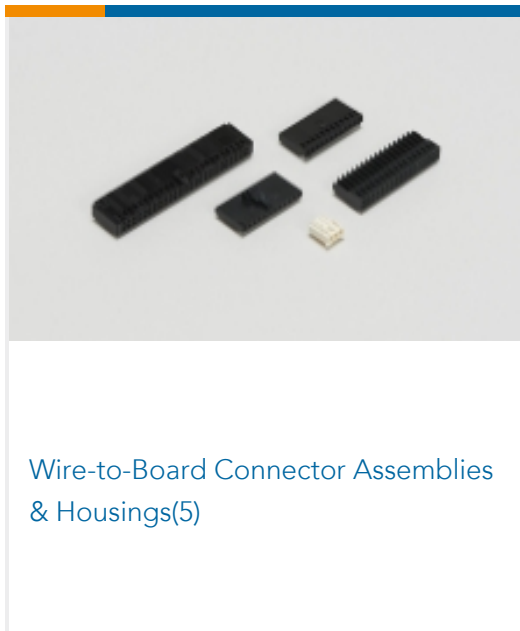
PCB Connector Mounting(1)



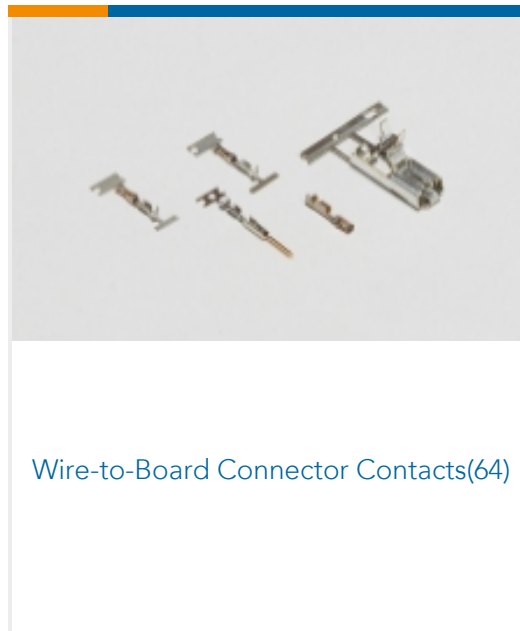
PCB Headers & Receptacles(4869)



PCB Latches, Locks & Retainers(1)



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



Wire-to-Board Connector Contacts(64)

### Customers Also Bought



TE Part #3-2319848-1  
END STACK DIP 10P G RECESS SEAL TUBE



TE Part #4-2176391-7  
RQ 1206 37K4 0.1% 10PPM 5K RL



TE Part #2176314-4  
MELF SMA\_A 180R 0.1% 15PPM 0102 0.3W



TE Part #1-928836-2  
MOD2 PIN WITH A-PIN L/P



TE Part #7-2176246-6  
CRGS2512 5% 1M8



TE Part #3-1415020-1  
PT570N20



TE Part #1-1437581-1  
ASE22RL=AUTOSLIDE DP



## Documents

### Product Drawings

[35 MODII HDR SRST UNSHRD STKG](#)

English

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### Datasheets & Catalog Pages

[AMPMODU Interconnection System](#)

[AMPMODU Interconnection System](#)

English