

825457-6 ✓ ACTIVE

AMPMODU | AMPMODU Headers

TE Internal #: 825457-6

PCB Mount Header, Right Angle, Board-to-Board, 12 Position, 2.54 mm [.1 in] Centerline, Breakaway, Gold (Au) / Gold Flash, AMPMODU Headers

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **12**

Number of Rows: **2**

Centerline (Pitch): **2.54 mm [.1 in]**

Features

Product Type Features

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

Configuration Features

| | |
|----------------------------------|---------------|
| Connector Contact Load Condition | Fully Loaded |
| Number of Positions | 12 |
| Number of Rows | 2 |
| PCB Mount Orientation | Right Angle |
| Board-to-Board Configuration | Perpendicular |

Electrical Characteristics

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

Body Features

| | |
|-----------------------|-------|
| Primary Product Color | Green |
|-----------------------|-------|

Contact Features



| | |
|---|---------------------------|
| Contact Underplating Material | Nickel |
| Mating Square Post Dimension | .64 mm[.025 in] |
| PCB Contact Termination Area Plating Material Thickness | 3 – 5 μ m |
| Contact Shape & Form | Square |
| Contact Base Material | Brass |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material Thickness | .8 μ m[31.5 μ in] |
| Contact Mating Area Plating Material | Gold (Au), Gold Flash |
| Contact Type | Pin |
| Contact Current Rating (Max) | 5 A |

Termination Features

| | |
|--|-----------------------|
| Termination Post & Tail Length | 3.2 mm[.126 in] |
| Square Termination Post & Tail Dimension | .64 mm[.025 in] |
| Termination Method to PCB | Through Hole - Solder |

Mechanical Attachment

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

Housing Features

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

Dimensions

| | |
|-----------------------------|------------------|
| Row-to-Row Spacing | 2.54 mm[.1 in] |
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Housing Temperature Rating | Standard |
| Operating Temperature Range | -65 – 105 °C[-85 – 221 °F] |

Operation/Application

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

Industry Standards

| | |
|---|---------|
| Compatible With Agency/Standards Products | CSA, UL |
|---|---------|



Compatible With Approved Standards Products

CSA LR7189, CUL E28476

UL Flammability Rating

UL 94V-0

Packaging Features

Packaging Quantity

400

Packaging Method

Box

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: JAN 2025 (247)
Candidate List Declared Against: JAN 2025 (247)
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

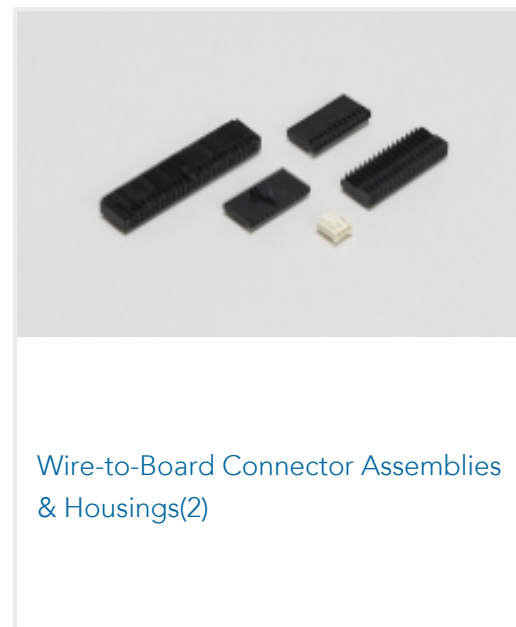
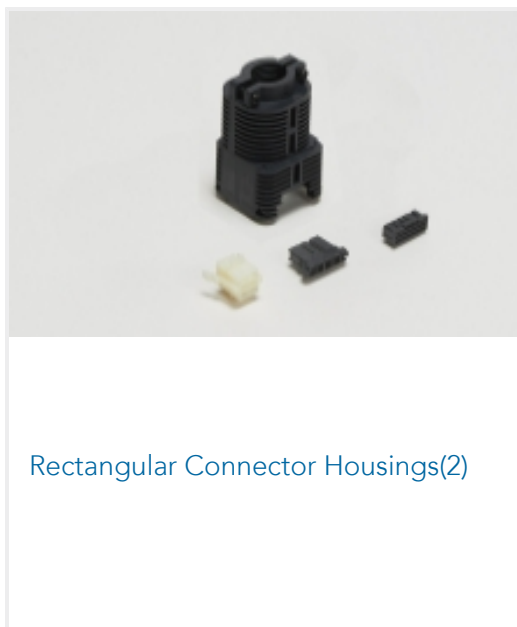
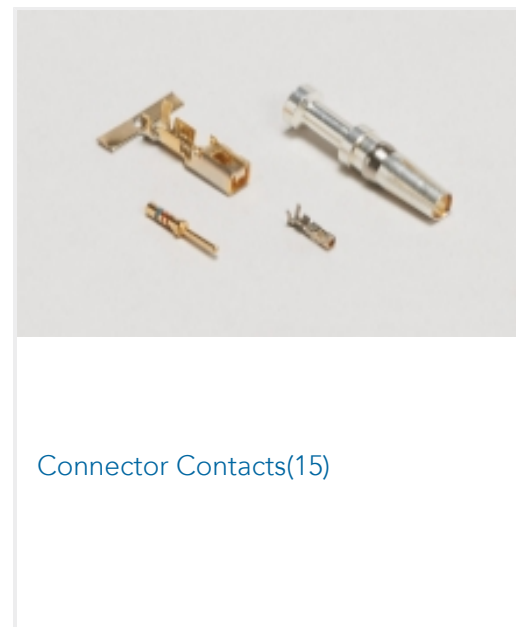
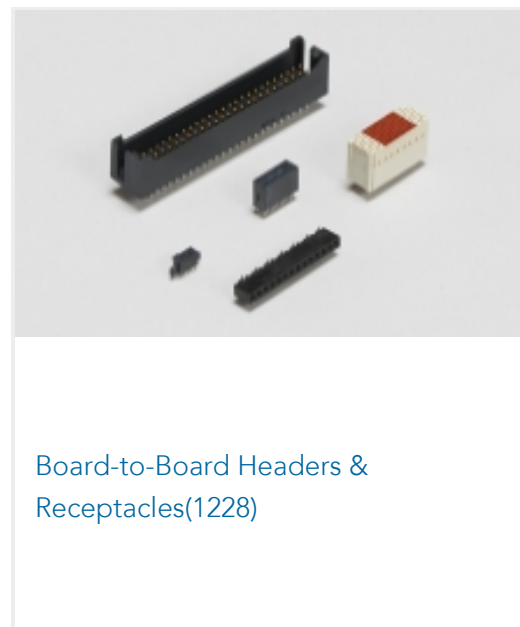
Product Compliance Disclaimer

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

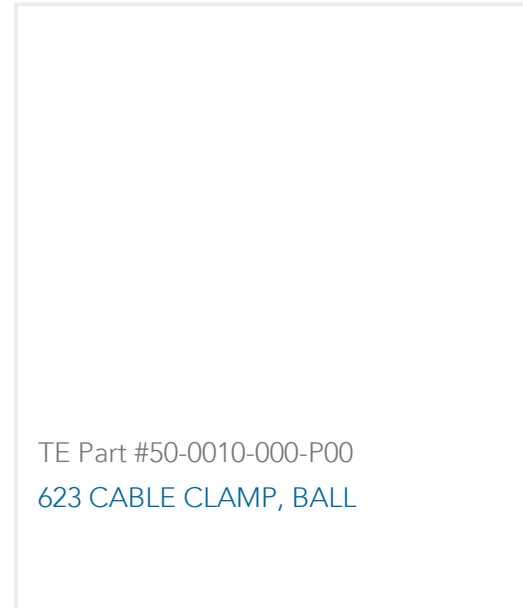


Also in the Series | AMPMODU Headers



Customers Also Bought





Documents

Product Drawings

[MOD 2 PINHDR 2X06P.](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_825457-6_U.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_825457-6_U.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_825457-6_U.3d_stp.zip](#)

English

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Agency Approvals

[UL Report](#)

English