



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: **80**

Number of Rows: **2**

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 | 80 |
| Number of Rows | 2 |
| 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] |



| | |
|--|-------------------------------|
| | 100 – 200 µin |
| 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 µm[100 – 200 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 | 3.3 mm[.13 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 | Thermoplastic |

Dimensions

| | |
|-----------------------------|-----------------|
| Row-to-Row Spacing | 2.54 mm[.1 in] |
| 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 | 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 | 50 |
| 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 | 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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 | Not reviewed for solder process capability |

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

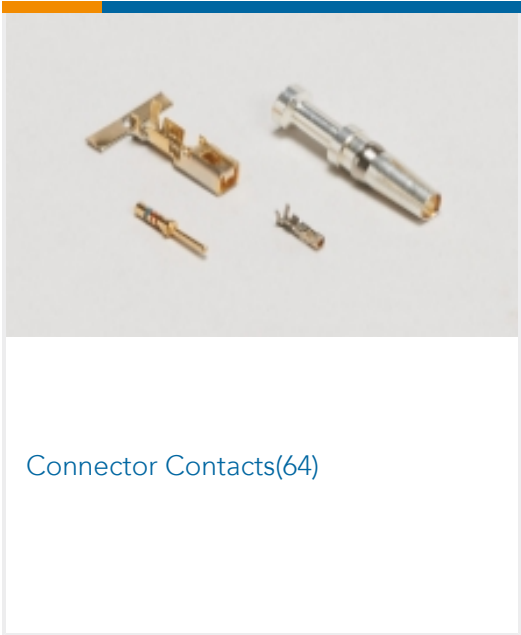


TE Part # 9-146486-0
80 MODII HDR DRST UNSHRD STKG

Also in the Series | AMPMODU Headers



Connector Caps & Covers(1)



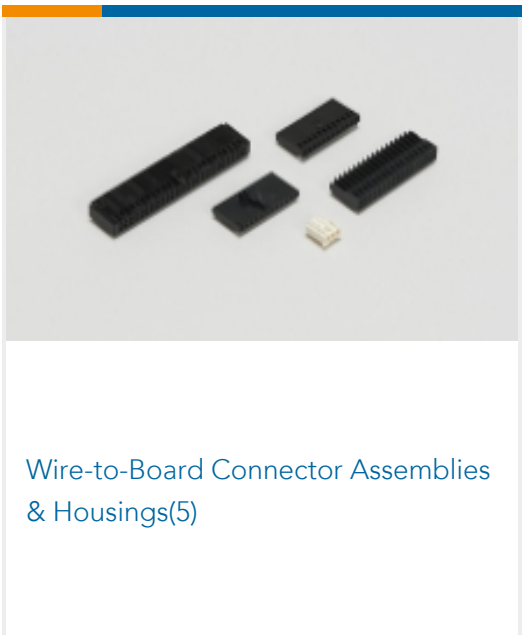
Connector Contacts(64)



Connector Hardware(2)



PCB Headers & Receptacles(3202)

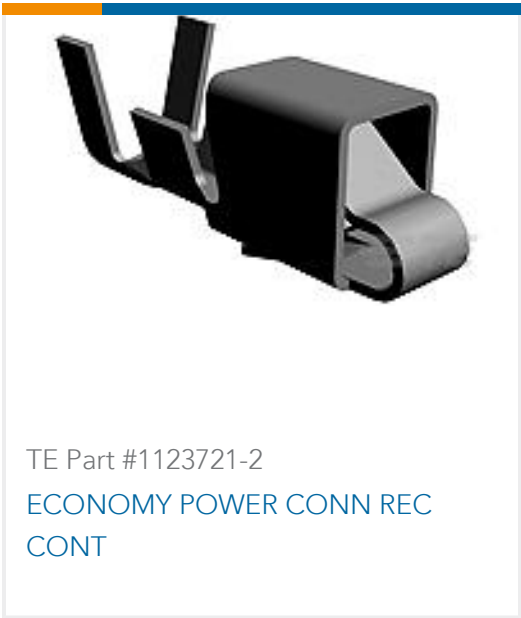


Wire-to-Board Connector Assemblies
& Housings(5)

Customers Also Bought



TE Part #1-1123722-6
3.96 EP PLUG HSG 6P(NATURAL)



TE Part #1123721-2
ECONOMY POWER CONN REC
CONT



TE Part #324046
TERMINAL,T-N R 6 10

Documents

Product Drawings

80 MODII HDR DRST UNSHRD STKG

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_4-146483-0_A_c-4-146483-0-a.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-146483-0_A_c-4-146483-0-a.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-146483-0_A_c-4-146483-0-a.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[AMPMODU Interconnetion System](#)

[AMPMODU Interconnetion System](#)

English