



Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **6**

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

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

|                                  |              |
|----------------------------------|--------------|
| Number of Rows                   | 2            |
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation            | Vertical     |
| Number of Positions              | 6            |
| Board-to-Board Configuration     | Parallel     |

Electrical Characteristics

|                   |        |
|-------------------|--------|
| Operating Voltage | 30 VAC |
|-------------------|--------|

Body Features

|                   |          |
|-------------------|----------|
| Connector Profile | Standard |
|-------------------|----------|

Contact Features

|                              |                 |
|------------------------------|-----------------|
| Mating Square Post Dimension | .64 mm[.025 in] |
|                              | 100 – 200 μin   |



|                                                |                 |
|------------------------------------------------|-----------------|
| Contact Shape & Form                           | Square          |
| Contact Underplating Material                  | Nickel          |
| PCB Contact Termination Area Plating Material  | Tin-Lead        |
| Contact Base Material                          | Phosphor Bronze |
| Contact Mating Area Plating Material           | Gold            |
| Contact Mating Area Plating Material Thickness | .381 μm[15 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              | 3.05 mm[.12 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 Color      | Black          |
| Housing Material   | Thermoplastic  |

Dimensions

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

Usage Conditions

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

Operation/Application

|                        |                |
|------------------------|----------------|
| Solder Process Feature | Board Standoff |
| Circuit Application    | Signal         |

Industry Standards

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



UL Flammability Rating

UL 94V-0

Packaging Features

|                    |        |
|--------------------|--------|
| Packaging Quantity | 520    |
| 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: JAN 2021 (211)<br>Candidate List Declared Against: JAN 2021 (211)<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                               | Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free                                                                                                                                                                                                                                                                                                                                  |
| Solder Process Capability                     | Reflow solder capable to 260°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 # 5-147424-3  
06 MODII VRT DR CE .100 X .100

TE Part # 5146140-2  
06 MODII HORZ DR CE 100CL

Also in the Series | AMPMODU Headers

Automotive Headers(10)

Board-to-Board Headers & Receptacles(7077)

PCB Connector Mounting(1)

PCB Connector Shrouds(1)

PCB Latches, Locks & Retainers(2)

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

Wire-to-Board Connector Contacts(66)

Wire-to-Board Headers & Receptacles (79)

Customers Also Bought

TE Part #796329-4  
23-57 CPC PSTD SKT RECPT LF

TE Part #2-208224-5  
CPC RECPT 23-37 18 missing, Au/tin

TE Part #7-1879627-5  
H4P 12K 1% 100PPM

TE Part #8-1971800-3  
Glow Wire Sig GRACE INERTIA Header

TE Part #2-1969570-8  
ASSY,HDR,VERT,GWT,BOSSSED,DUAL ROW, EP2.5

TE Part #146256-5  
10 MODII HDR DRST B/A .100CL

TE Part #5-1879619-9  
H8 2K7 1% 25PPM

TE Part #8-2176373-7  
RQ 0805 78R7 0.1% 10PPM 1K RL



Documents

Product Drawings

06 MODII HDR DRST B/A .100CL

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_146256-3\_E.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_146256-3\_E.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_146256-3\_E.3d\_stp.zip

English

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Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

UL Report

English