



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **2**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

|                       |          |
|-----------------------|----------|
| PCB Mount Orientation | Vertical |
| Number of Positions   | 2        |
| Number of Rows        | 1        |

Electrical Characteristics

|                                       |         |
|---------------------------------------|---------|
| Operating Voltage                     | 250 VAC |
| Termination Resistance                | 15 mΩ   |
| Insulation Resistance                 | 5000 MΩ |
| Dielectric Withstanding Voltage (Max) | 600 V   |

Body Features

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

Contact Features



|                                                |                 |
|------------------------------------------------|-----------------|
| Contact Mating Area Plating Material Thickness | .381 μm[30 μin] |
| Mating Square Post Dimension                   | .64 mm[.025 in] |
| Contact Shape & Form                           | Square          |
| Contact Base Material                          | Brass           |
| PCB Contact Termination Area Plating Material  | Tin-Lead        |
| Contact Mating Area Plating Material           | Gold (Au)       |
| Contact Type                                   | Pin             |
| Contact Current Rating (Max)                   | 3 A             |

Termination Features

|                                          |                 |
|------------------------------------------|-----------------|
| Square Termination Post & Tail Dimension | .64 mm[.025 in] |
| Termination Method to PCB                | Surface Mount   |

Mechanical Attachment

|                          |                       |
|--------------------------|-----------------------|
| Mating Retention         | With                  |
| PCB Mount Retention Type | Hold-Down             |
| Mating Alignment Type    | Latched, Polarization |
| PCB Mount Retention      | With                  |
| PCB Mount Alignment      | With                  |
| Connector Mounting Type  | Board Mount           |
| Mating Alignment         | With                  |

Housing Features

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

Dimensions

|                             |                  |
|-----------------------------|------------------|
| 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

|                          |                      |
|--------------------------|----------------------|
| Assembly Process Feature | Pick and Place Cover |
| Circuit Application      | Signal               |

Industry Standards

|                                             |                       |
|---------------------------------------------|-----------------------|
| Compatible With Approved Standards Products | CSA LR7189, UL E28476 |
|---------------------------------------------|-----------------------|



UL Flammability Rating

UL 94V-0

Packaging Features

|                  |             |
|------------------|-------------|
| Packaging Method | Tape & Reel |
|------------------|-------------|

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)<br>Candidate List Declared Against: JAN 2025 (247)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                |
| Solder Process Capability                     | Reflow solder capable to 260°C                                                                                                |

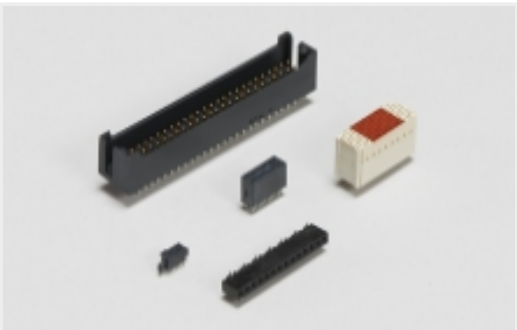
Product Compliance Disclaimer

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

|                                                                                                                                                       |                                                                                                                                                       |                                                                                                                                                       |                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div>TE Part # 5-103961-1<br/>10X2 MTE RCPT SR LATCH .100CL</div> |  <div>TE Part # 5-103958-1<br/>10X2 MTE RPT SR LATCH .100CL</div> |  <div>TE Part # 103648-1<br/>02 MTE RCPT HSG SR RIB .100CL</div> |  <div>TE Part # 5-103970-1<br/>10X2 MTE RCPT SR RIBBED .100CL</div> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|

Also in the Series | AMPMODU MTE



Board-to-Board Headers & Receptacles(24)



Connector Caps & Covers(18)



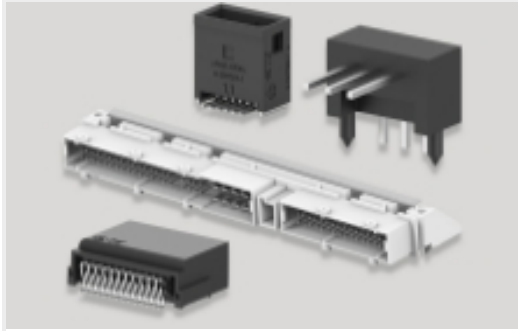
Connector Contacts(27)



Connector Hardware(1)



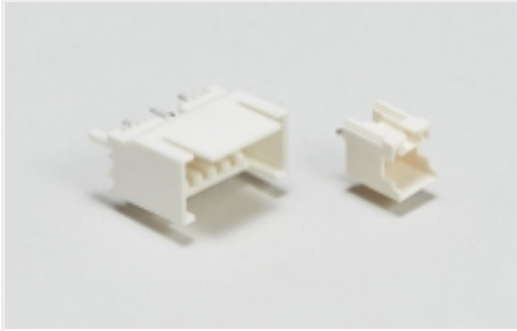
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(444)



Wire-to-Board Connector Assemblies & Housings(298)

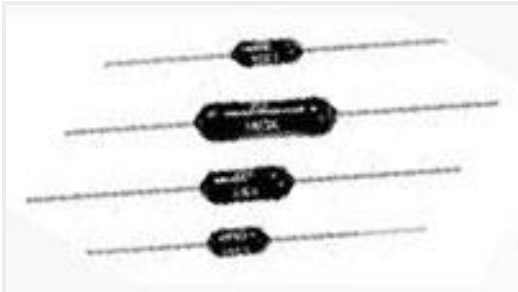


Wire-to-Board Headers & Receptacles (420)

Customers Also Bought



TE Part #1-6609032-0  
5VR3=F7203 S0



TE Part #6-1879642-6  
H8 3K0 0.1% 15PPM



TE Part #1-2176337-9  
CRGCQ 0402 330R 1%



TE Part #1761607-3  
IDC LOW PRO HDR 10P RA LAT



TE Part #1-2176307-7  
RP 1E 0.1W 18K2 0.1% 25PPM 5K RL



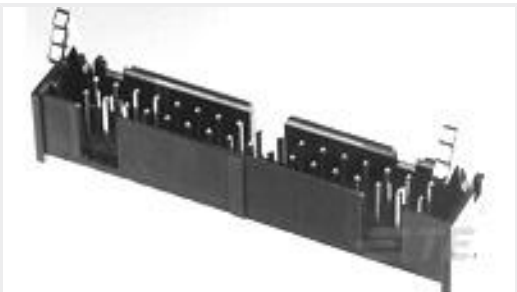
TE Part #1-2176308-3  
RP 1E 0.1W 178K 0.1% 25PPM 5K RL



TE Part #2383938-2  
TERMI-BLOK SMD MOUNT 180\_2P\_5 MM



TE Part #1986711-2  
SCREWLESS, SW,2P,5.0 PCB



TE Part #1761606-3  
IDC LOW PRO HDR 10P VERT LAT BLK



TE Part #2-292175-2  
CT BOX HDR V SMT 2P O/TAPE BLA

Documents



Product Drawings

02 MTE VERTICAL SMT HDR 30 AU

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5-1375583-1\_F.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-1375583-1\_F.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-1375583-1\_F.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\_SECTION5\_CONT

English

AMPMODU MTE INTERCONNECT SYSTEM

English

Product Specifications

Application Specification

English