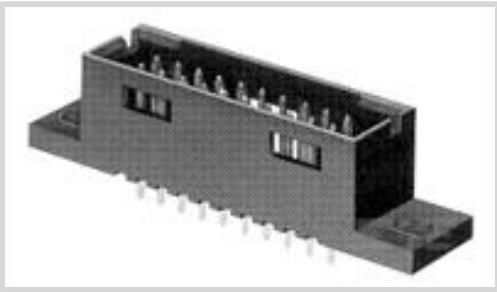




Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **10**

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                       | Fully Shrouded        |
| 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              | 10           |
| Board-to-Board Configuration     | Parallel     |

Electrical Characteristics

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

Body Features

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

Contact Features

|                              |                 |
|------------------------------|-----------------|
| Mating Square Post Dimension | .64 mm[.025 in] |
| Contact Shape & Form         | Square          |



|                                                |                 |
|------------------------------------------------|-----------------|
| Contact Underplating Material                  | Nickel          |
| PCB Contact Termination Area Plating Material  | Gold Flash      |
| Contact Base Material                          | Phosphor Bronze |
| Contact Mating Area Plating Material           | Gold            |
| Contact Mating Area Plating Material Thickness | .762 μm[30 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              | 3.18 mm[.125 in]      |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

|                         |               |
|-------------------------|---------------|
| Mating Retention        | With          |
| Mating Retention Type   | Detent Window |
| Mating Alignment        | With          |
| Mating Alignment Type   | Polarization  |
| 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   | Nylon-GF       |

Dimensions

|                             |                 |
|-----------------------------|-----------------|
| Row-to-Row Spacing          | 2.54 mm[.1 in]  |
| PCB Thickness (Recommended) | 1.4 mm[.055 in] |

Usage Conditions

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

Operation/Application

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

Industry Standards



|                        |                       |
|------------------------|-----------------------|
| Approved Standards     | CSA LR7189, UL E28476 |
| UL Flammability Rating | UL 94V-0              |
| CSA Certified          | Yes                   |
| CSA File Number        | LR7189                |
| UL File Number         | E28476                |

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 144  |
| Packaging Method   | Tray |

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 2021 (211)<br>Candidate List Declared Against: JAN 2021 (211)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                |
| Solder Process Capability                     | Wave solder capable to 240°C                                                                                                  |

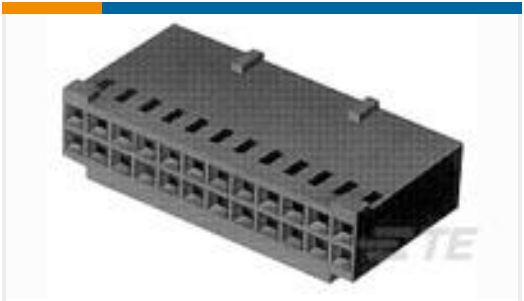
Product Compliance Disclaimer

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>

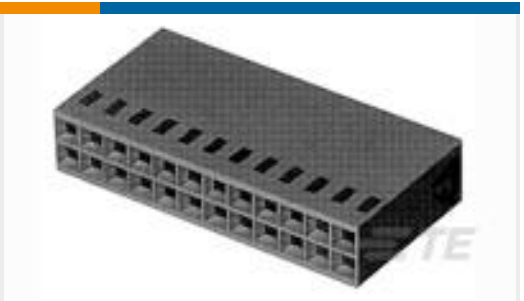
Compatible Parts



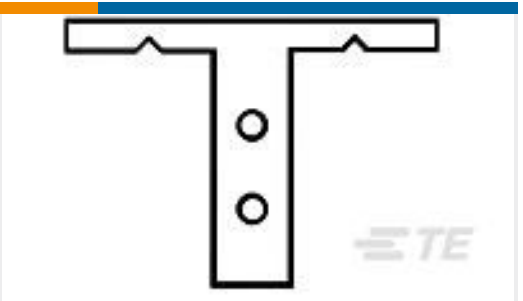
TE Part # 87456-5  
10 MODIV HSG COMP DR .100CL



TE Part # 87977-3  
10 MODIV HSG DR MRKD .100 POL



TE Part # 1-86177-2  
10 MODIV HSG COMP DR .100CL

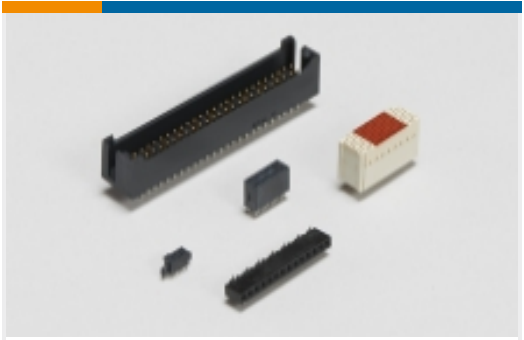


TE Part # 87743-1  
MODII KEYED BARRIER INSERT

Also in the Series | AMPMODU Headers



Automotive Headers(10)



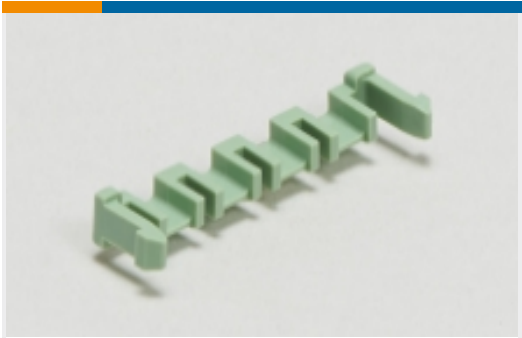
Board-to-Board Headers & Receptacles(7077)



PCB Connector Mounting(1)



PCB Connector Shrouds(1)



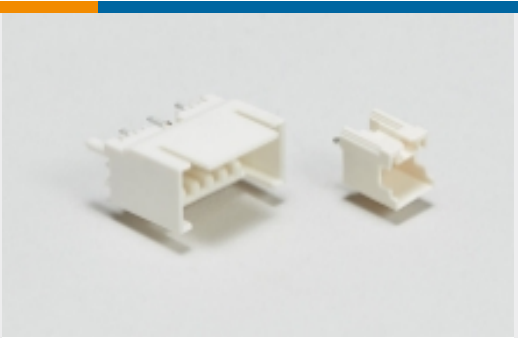
PCB Latches, Locks & Retainers(2)



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

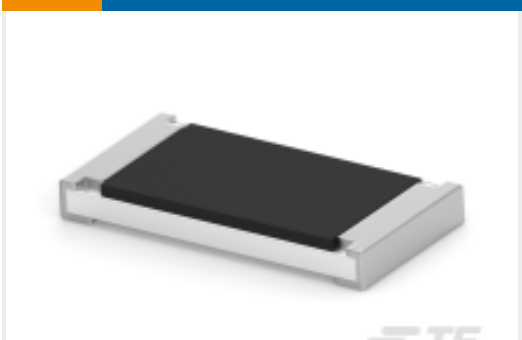


Wire-to-Board Connector Contacts(66)



Wire-to-Board Headers & Receptacles (79)

Customers Also Bought



TE Part #1879463-1  
Thick Film Resistor: Current Sense



TE Part #1648548-1  
295-0040-01100



TE Part #1057284-1  
3052 0000 10



TE Part #2-1879337-6  
CPF 0603 4K53 1% 50PPM 1K RL



TE Part #102154-6  
AMP-LATCH UNIVERSAL HEADERS



TE Part #1057775-1  
3152 0000 10



TE Part #1589694-2  
TCM044PC2DC012B = CIRCULAR



TE Part #2-2176075-4  
3640 0201 2.4nH +/-0.2nH 1K RL



TE Part #YCFX26F2532PZN0000  
[PLUG ASSY](#)



TE Part #1825420-2  
[TRD13F10WL04 rocker switch](#)

Documents

Product Drawings

[10 MODII HDR DRST SHRD .100CL](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG\\_CVM\\_87474-1\\_L.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_87474-1\\_L.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_87474-1\\_L.2d\\_dxf.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](#)

English

[1-1773720-9\\_AMPMODU\\_MOD\\_IV\\_V\\_ORG](#)

English