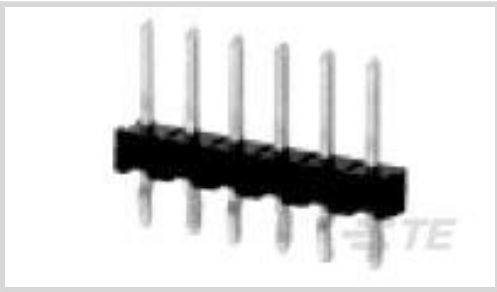




Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **8**

Number of Rows: **2**

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

|                                  |              |
|----------------------------------|--------------|
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation            | Vertical     |
| Number of Positions              | 8            |
| Number of Rows                   | 2            |
| Board-to-Board Configuration     | Parallel     |

Body Features

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

Contact Features

|                                                         |                               |
|---------------------------------------------------------|-------------------------------|
| Mating Square Post Dimension                            | .64 mm[.025 in]               |
| PCB Contact Termination Area Plating Material Thickness | 2.54 - 5.08 µm[100 - 200 µin] |
| PCB Contact Termination Area Plating Material Finish    | Matte                         |
| Contact Shape & Form                                    | Square                        |



|                                                |                |
|------------------------------------------------|----------------|
| Contact Underplating Material                  | Nickel         |
| PCB Contact Termination Area Plating Material  | Tin            |
| Contact Base Material                          | Copper Alloy   |
| Contact Mating Area Plating Material           | Gold           |
| Contact Mating Area Plating Material Thickness | .127 μm[5 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              | 2.29 mm[.09 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 Material   | LCP (Liquid Crystal Polymer) |

Dimensions

|                             |                 |
|-----------------------------|-----------------|
| Row-to-Row Spacing          | 2.54 mm[.1 in]  |
| PCB Thickness (Recommended) | 1.6 mm[.063 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

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 320 |
|--------------------|-----|



|                            |        |
|----------------------------|--------|
| Packaging Method           | Carton |
| Other                      |        |
| Position Locations Omitted | 0      |

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 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free                                    |
| Solder Process Capability                     | Pin-in-Paste 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>

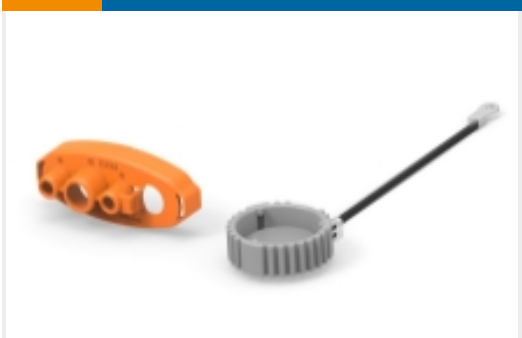
Compatible Parts

TE Part # 87133-9  
08 LOCKING CLIP HSG DR .100CL

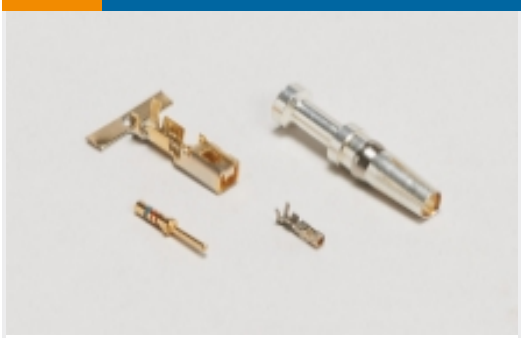
TE Part # 966269-4  
2x4P MOD II BREAK AWAY HDR,SMD, TUBE PKG



Also in the Series | AMPMODU Headers



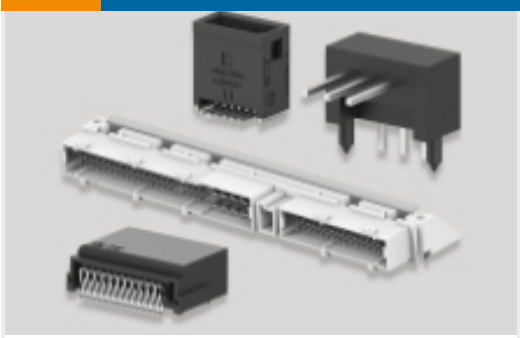
Connector Caps & Covers(1)



Connector Contacts(64)



Connector Hardware(2)



PCB Headers & Receptacles(4349)



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

Customers Also Bought



TE Part # 1-640250-2  
12P SL156 HSG W/LCK RAMP NATL



TE Part # 5-1625999-6  
HSC100 1R0 1%



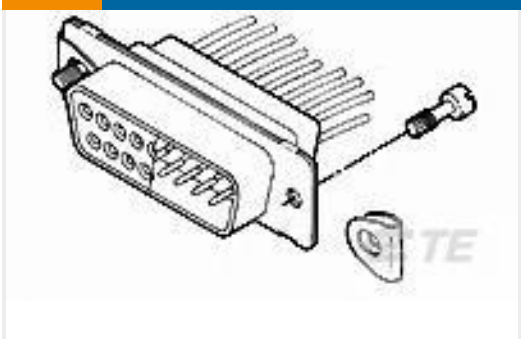
TE Part # 5650860-5  
ASSEMBLY,RECEPTACLE,EUROCARD, T



TE Part # 1-640388-2  
12P MTA156 HDR ASSY RN STR F/L



TE Part # 640388-6  
06P MTA156 HDR ASSY RN STR F/L



TE Part # 5205980-5  
SCREW RETAINER KIT,BULK PACK



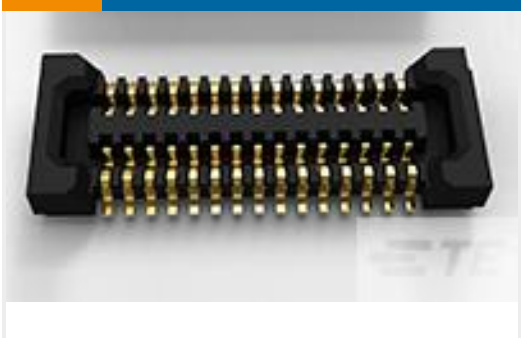
TE Part # 2306334-3  
SPRING FINGER 1.2H



TE Part # 2176325-2  
CRGP 0402 12R 1%



TE Part # 1-2308272-4  
CABLE CLAMP4 (CASE RAW)



TE Part # 1-2201197-0  
0.4 STACKING CONN H0.98 REC ASSEMBLY



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5-146259-4\_D.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-146259-4\_D.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-146259-4\_D.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