



Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

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

PCB Mount Orientation: **Right Angle**

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

Features

Contact Features

|                                                |                 |
|------------------------------------------------|-----------------|
|                                                | 15 µin          |
| Contact Underplating Material                  | Nickel          |
| Contact Mating Area Plating Material Thickness | .38 µm[15 µin]  |
| Mating Square Post Dimension                   | .64 mm[.025 in] |
| Contact Shape & Form                           | Square          |
| Contact Base Material                          | Phosphor Bronze |
| PCB Contact Termination Area Plating Material  | Gold Flash      |
| Contact Mating Area Plating Material           | Gold            |
| Contact Type                                   | Pin             |
| Contact Current Rating (Max)                   | 3 A             |

Other

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance  | Compliant |

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

|                                  |               |
|----------------------------------|---------------|
| Connector Contact Load Condition | Fully Loaded  |
| Board-to-Board Configuration     | Perpendicular |
| PCB Mount Orientation            | Right Angle   |
| Number of Positions              | 4             |
| Number of Rows                   | 2             |

Electrical Characteristics

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

Body Features

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

Termination Features

|                                          |                       |
|------------------------------------------|-----------------------|
| Termination Post & Tail Length           | 2.79 mm[.11 in]       |
| Square Termination Post & Tail Dimension | .64 mm[.025 in]       |
| Termination Method to PCB                | Through Hole - Solder |

Mechanical Attachment

|                         |             |
|-------------------------|-------------|
| PCB Mount Retention     | Without     |
| PCB Mount Alignment     | Without     |
| Connector Mounting Type | Board Mount |
| Mating Alignment        | Without     |

Housing Features

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

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 | -55 – 125 °C[-67 – 257 °F] |

Operation/Application

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



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

Industry Standards

|                                             |                       |
|---------------------------------------------|-----------------------|
| Compatible With Agency/Standards Products   | UL, CSA               |
| UL Rating                                   | Recognized            |
| Compatible With Approved Standards Products | UL E28476, CSA LR7189 |
| UL Flammability Rating                      | UL 94V-0              |

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 100  |
| 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: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content                               | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.                                                                          |
| Solder Process Capability                     | Wave solder capable to 240°C                                                                                                    |

Product Compliance Disclaimer

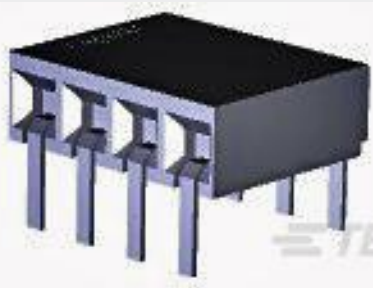
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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





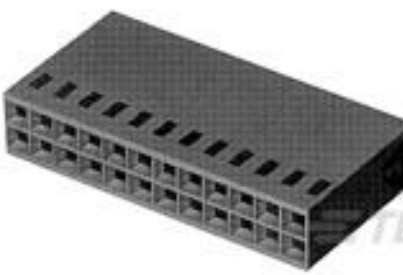
TE Part # 4-87456-9  
04 MODIV HSG COMP DR .100CL



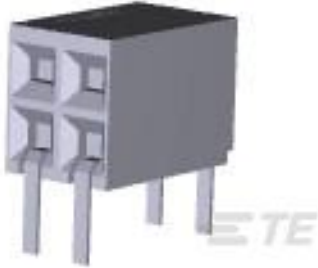
TE Part # 5535676-3  
04 MODII HORZ SR CE 100CL



TE Part # 147721-3  
04 MODII HORZ SR SFMNT 30AU



TE Part # 5-87456-0  
04 MODIV HSG DR MRKD .100CL



TE Part # 6-5535512-1  
04 MODII HORZ DR CE EESS .100

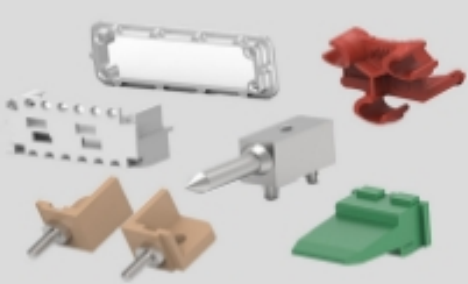


TE Part # 5147721-3  
04 MODII HORZ SR SFMNT 30AU

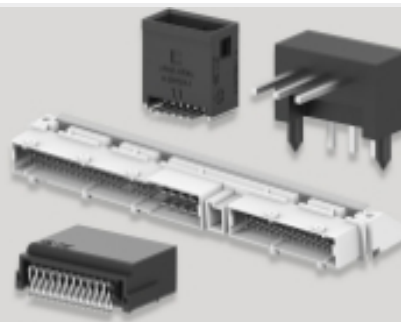
Also in the Series | **AMPMODU Headers**



Connector Contacts(52)



Connector Hardware(1)

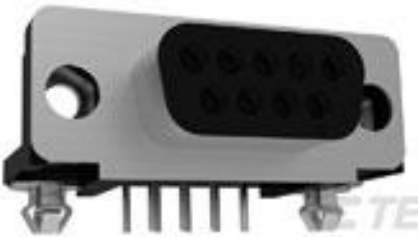


PCB Headers & Receptacles(1618)

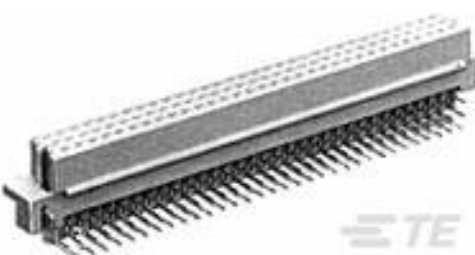


Wire-to-Board Connector Assemblies & Housings(5)

Customers Also Bought



TE Part #5747844-4  
09 MSFL RCPT RA 318 (IN,FM,BL)



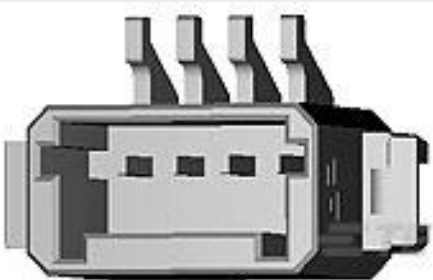
TE Part #5650461-5  
ASSY,RECEPTACLE,EUROCARD,TYPE



TE Part #5-102203-5  
08 MODII HDR SRRA SHRD LF



TE Part #2-1437667-4  
4DB-P108-02=4DB ASSEMBLY



TE Part #2106091-3  
4 pos Inverted Thru Board SMT Header



TE Part #5-534206-2  
04 MODII VRT DR CE 100/115



TE Part #5-534267-2  
20 MODIV VRT DR DE 100/125



TE Part #5747840-4  
HD-20 PLUG RA .318 FMS BD-LK 4



Documents

Product Drawings

04 MODII HDR DRRA UNSHRD .100

English

CAD Files

Customer View Model

ENG\_CVM\_87230-2\_K.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_87230-2\_K.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_87230-2\_K.2d\_dxf.zip

English

3D PDF

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