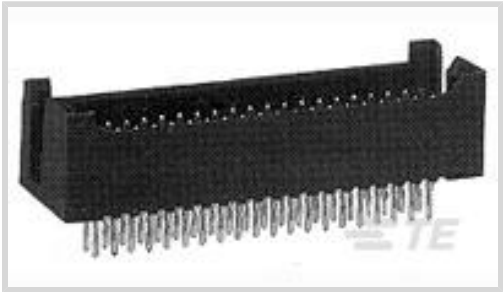




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type:

PCB Mount Header

PCB Mount Orientation:

Vertical

Connector System:

Board-to-Board

Number of Positions:

40

Number of Rows:

2

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| PCB Connector Type                | PCB Mount Header      |
| Connector System                  | Board-to-Board        |
| Header Type                       | Fully Shrouded        |
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector Product Type            | Connector Assembly    |

Configuration Features

|                              |          |
|------------------------------|----------|
| Board-to-Board Configuration | Parallel |
| Stackable                    | No       |
| PCB Mount Orientation        | Vertical |
| Number of Positions          | 40       |
| Number of Rows               | 2        |

Electrical Characteristics

|                                       |            |
|---------------------------------------|------------|
| Operating Voltage                     | 250 VAC    |
| Termination Resistance                | 12 mΩ      |
| Dielectric Withstanding Voltage (Max) | 750 VACrms |

Body Features

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

Contact Features



|                                                |                 |
|------------------------------------------------|-----------------|
| Contact Mating Area Plating Material Thickness | .762 μm[30 μin] |
| Mating Square Post Dimension                   | .64 mm[.025 in] |
|                                                | 100 – 200 μin   |
| Contact Shape & Form                           | Square          |
| Contact Mating Area Length                     | 5.08 mm[.2 in]  |
| Contact Base Material                          | Phosphor Bronze |
| PCB Contact Termination Area Plating Material  | Tin-Lead        |
| Contact Mating Area Plating Material           | Gold (Au)       |
| Contact Type                                   | Pin             |
| Contact Current Rating (Max)                   | 2 A             |

Termination Features

|                                          |                       |
|------------------------------------------|-----------------------|
| Termination Post & Tail Length           | 4.57 mm[.18 in]       |
| Square Termination Post & Tail Dimension | .64 mm[.025 in]       |
| Termination Method to PCB                | Through Hole - Solder |

Mechanical Attachment

|                          |                      |
|--------------------------|----------------------|
| Mating Retention         | Without              |
| Mating Alignment Type    | Guide Pins           |
| PCB Mount Retention Type | Board Retention Tail |
| PCB Mount Retention      | With                 |
| PCB Mount Alignment      | Without              |
| Connector Mounting Type  | Board Mount          |
| Mating Alignment         | With                 |

Housing Features

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

Dimensions

|                             |                  |
|-----------------------------|------------------|
| Row-to-Row Spacing          | 2.54 mm[.1 in]   |
| Stack Height                | 11.43 mm[.45 in] |
| PCB Thickness (Recommended) | 1.4 mm[.055 in]  |
| Connector Height            | 13.97 mm[.55 in] |

Usage Conditions

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



Operation/Application

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

Industry Standards

|                                             |                       |
|---------------------------------------------|-----------------------|
| Compatible With Approved Standards Products | CSA LE7189, UL E28476 |
| UL Flammability Rating                      | UL 94V-0              |

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 32   |
| Packaging Method   | Tube |

Product Compliance

For compliance documentation, visit the product page on TE.com>

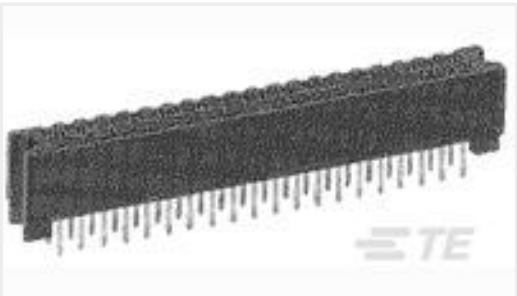
|                                               |                                                                                                                               |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 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                               | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.                                                                        |
| 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 # 5-534972-2  
40 MODII VRT 2PC DR CE 100CL, RoHS

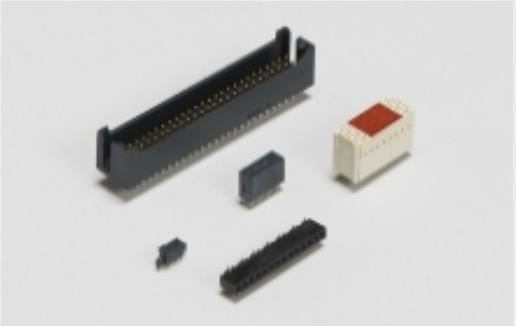


TE Part # 5-532956-7  
40 MODII 2PC CE RCPT ASSY, RoHS

Also in the Series | AMPMODU Headers



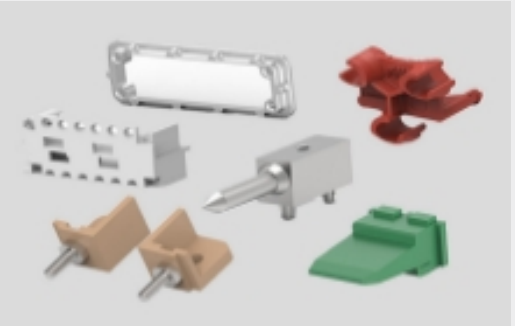
Automotive Headers(1)



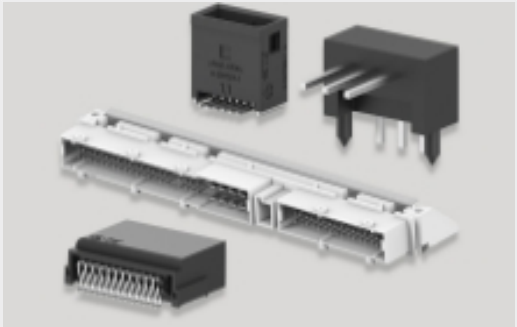
Board-to-Board Headers & Receptacles(1576)



Connector Contacts(47)



Connector Hardware(1)



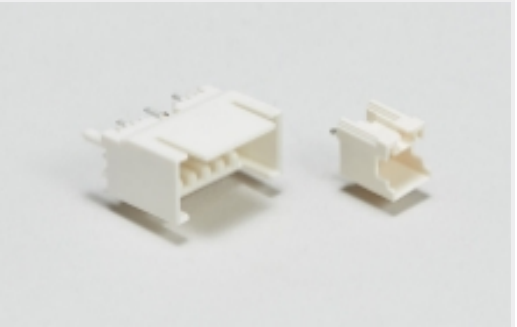
PCB Headers & Receptacles(1621)



Rectangular Power Connectors(43)

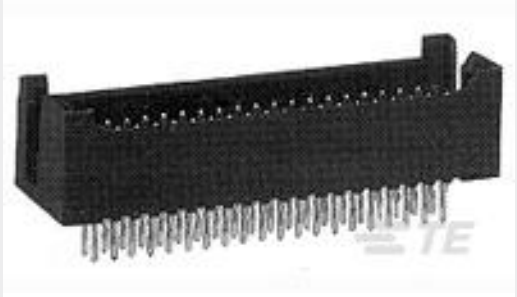


Wire-to-Board Connector Assemblies & Housings(5)

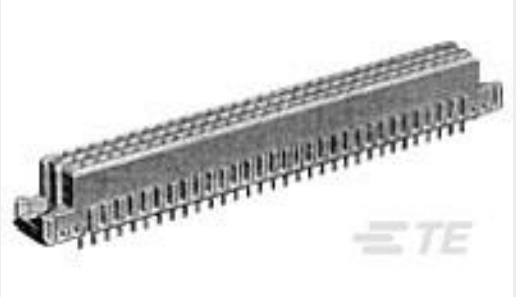


Wire-to-Board Headers & Receptacles (114)

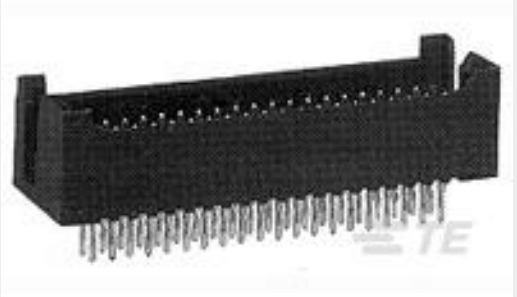
Customers Also Bought



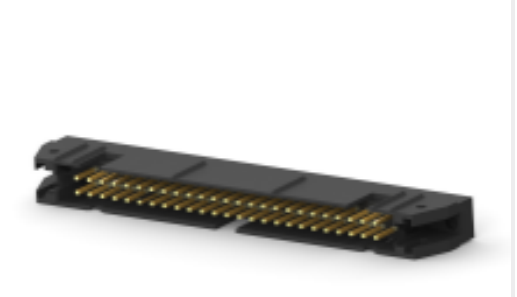
TE Part #6-102692-5  
16 MODII 2PC HDR DR SHRD, ROHS



TE Part #5535097-5  
ASSEMBLY,RECEPTACLE,EUROCARD, T



TE Part #6-102692-7  
30 MODII 2PC HDR DR SHRD, ROHS



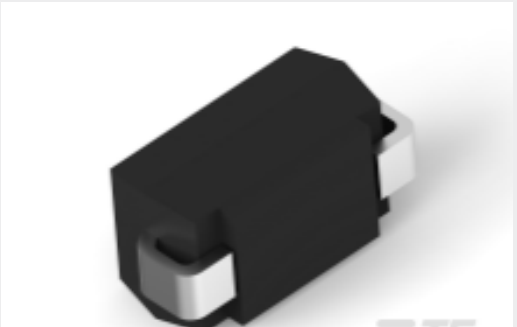
TE Part #CAT-AM74-UN384H  
AMP-LATCH UNIVERSAL HEADERS



TE Part #CAT-H857-H34220  
AMP HPI 2.0 mm Headers



TE Part #1-640456-0  
10P MTA100 HDR ASSY F/L SQ STR



TE Part #2-2176322-1  
SMV 1W 4M7 5%



Documents

Product Drawings

40 MODII 2PC HDR DR SHRD, ROHS

English

CAD Files

Customer View Model

ENG\_CVM\_6-102692-3\_L2.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_6-102692-3\_L2.2d\_dxf.zip

English

3D PDF

English

Customer View Model

ENG\_CVM\_6-102692-3\_L2.3d\_igs.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