



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: **40**

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                       | Breakaway             |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

|                                  |              |
|----------------------------------|--------------|
| Number of Rows                   | 1            |
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation            | Vertical     |
| Number of Positions              | 40           |
| Board-to-Board Configuration     | Parallel     |

Electrical Characteristics

|                   |        |
|-------------------|--------|
| Operating Voltage | 30 VAC |
|-------------------|--------|

Body Features

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

Contact Features

|                              |                 |
|------------------------------|-----------------|
| Mating Square Post Dimension | .64 mm[.025 in] |
|                              | 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                                | 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 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 Color      | Black                                                         |
| Housing Material   | LCP (Liquid Crystal Polymer), LCP-GF (Liquid Crystal Polymer) |

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

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

Industry Standards

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



|                        |                       |
|------------------------|-----------------------|
| Approved Standards     | CSA LR7189, UL E28476 |
| UL Flammability Rating | UL 94V-0              |

Packaging Features

|                    |        |
|--------------------|--------|
| Packaging Quantity | 100    |
| Packaging Method   | Carton |

Other

|         |                                                                                                           |
|---------|-----------------------------------------------------------------------------------------------------------|
| Comment | Headers without retention tails may be broken to the desired number of positions using Hand Tool 91406-1. |
|---------|-----------------------------------------------------------------------------------------------------------|

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                               | 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 # 3-534237-8  
40 MODII VRT SR CE 100/115

Also in the Series | AMPMODU Headers



Automotive Headers(10)



Board-to-Board Headers & Receptacles(7077)



PCB Connector Mounting(1)



PCB Connector Shrouds(1)



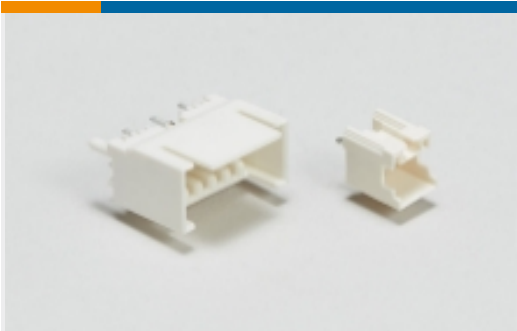
PCB Latches, Locks & Retainers(2)



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

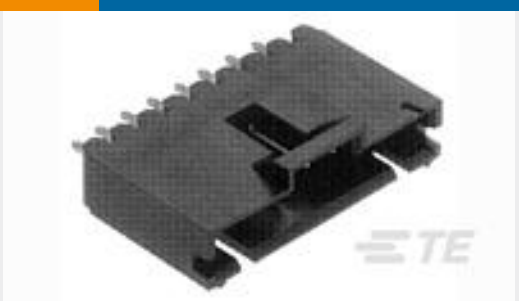


Wire-to-Board Connector Contacts(66)



Wire-to-Board Headers & Receptacles (79)

Customers Also Bought



TE Part #103670-2  
03 MTE HDR SRST LATCH W/HLDWN



TE Part #1-87215-0  
02 MODII HDR DRST UNSHRD .100



TE Part #1-1676481-9  
CPF 0603 30R 0.1% 25PPM 1K RL



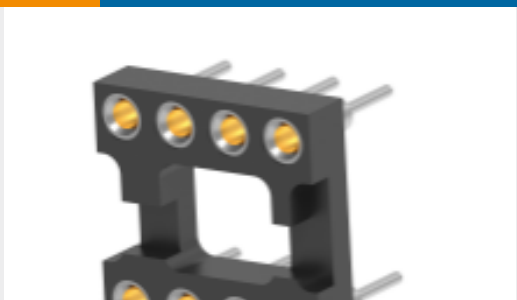
TE Part #1-1734248-5  
1.0 FPC, ZIF V/T, SMT, 15P



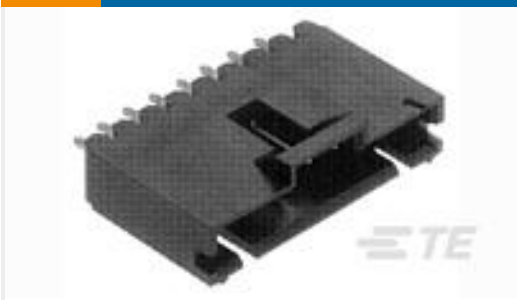
TE Part #1-535541-0  
12 MODIV VRT SR CE 100/115



TE Part #103321-2  
02 MODII HDR SRST B/A .100CL



TE Part #1-2199299-5  
DIP Socket: Standard, Stamped & Formed, Open, Tin



TE Part #103670-3  
04 MTE HDR SRST LATCH W/HLDWN



Documents

Product Drawings

40 MODII HDR SRST B/A .100CL

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_9-146277-0\_E.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_9-146277-0\_E.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_9-146277-0\_E.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

English

Product Environmental Compliance

MD\_9-146277-0\_06132014058\_dmtec

English

MD\_9-146277-0\_06132014058\_dmtec

English