



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **40**

Number of Rows: **2**

Features

Electrical Characteristics

|                                       |         |
|---------------------------------------|---------|
| Operating Voltage                     | 333 VAC |
| Insulation Resistance                 | 5000 MΩ |
| Dielectric Withstanding Voltage (Max) | 750 VAC |

Dimensions

|                             |                              |
|-----------------------------|------------------------------|
| Row-to-Row Spacing          | 7.87 mm, 2.54 mm[.31 in]     |
| Stack Height                | 8.13 mm[.32 in]              |
| PCB Thickness (Recommended) | 1.4 – 2.4 mm[.055 – .094 in] |
| Connector Height            | 6.05 mm[.238 in]             |

Packaging Features

|                    |           |
|--------------------|-----------|
| Packaging Quantity | 11        |
| Packaging Method   | Tube, Box |

Industry Standards

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

Usage Conditions

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

Body Features



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

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

Operation/Application

|                        |                |
|------------------------|----------------|
| Solder Process Feature | Board Standoff |
|------------------------|----------------|

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

Termination Features

|                                           |                 |
|-------------------------------------------|-----------------|
| Rectangular Termination Post & Tail Width | .69 mm[.027 in] |
|-------------------------------------------|-----------------|

|                                               |                |
|-----------------------------------------------|----------------|
| Rectangular Termination Post & Tail Thickness | .2 mm[.008 in] |
|-----------------------------------------------|----------------|

|                                |                  |
|--------------------------------|------------------|
| Termination Post & Tail Length | 2.92 mm[.115 in] |
|--------------------------------|------------------|

|                           |                       |
|---------------------------|-----------------------|
| Termination Method to PCB | Through Hole - Solder |
|---------------------------|-----------------------|

Contact Features

|                                                |                 |
|------------------------------------------------|-----------------|
| Contact Mating Area Plating Material Thickness | .762 μm[30 μin] |
|------------------------------------------------|-----------------|

|                              |                 |
|------------------------------|-----------------|
| Mating Square Post Dimension | .64 mm[.025 in] |
|------------------------------|-----------------|

|                                                         |         |
|---------------------------------------------------------|---------|
| PCB Contact Termination Area Plating Material Thickness | 1.27 μm |
|---------------------------------------------------------|---------|

|                      |             |
|----------------------|-------------|
| Contact Shape & Form | Short Point |
|----------------------|-------------|

|                         |                      |
|-------------------------|----------------------|
| Contact Protection Type | Closed Entry Housing |
|-------------------------|----------------------|

|                            |             |
|----------------------------|-------------|
| Contact Mating Area Length | 3 mm[.1 in] |
|----------------------------|-------------|

|                       |                 |
|-----------------------|-----------------|
| Contact Base Material | Phosphor Bronze |
|-----------------------|-----------------|

|                                               |          |
|-----------------------------------------------|----------|
| PCB Contact Termination Area Plating Material | Tin-Lead |
|-----------------------------------------------|----------|

|                                      |      |
|--------------------------------------|------|
| Contact Mating Area Plating Material | Gold |
|--------------------------------------|------|

|              |        |
|--------------|--------|
| Contact Type | Socket |
|--------------|--------|

|                              |     |
|------------------------------|-----|
| Contact Current Rating (Max) | 2 A |
|------------------------------|-----|

Housing Features

|                       |      |
|-----------------------|------|
| Mating Entry Location | Side |
|-----------------------|------|

|                  |                |
|------------------|----------------|
| Housing Material | Polyester - GF |
|------------------|----------------|

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

Configuration Features

|           |     |
|-----------|-----|
| Stackable | Yes |
|-----------|-----|

|                       |             |
|-----------------------|-------------|
| PCB Mount Orientation | Right Angle |
|-----------------------|-------------|

|                     |    |
|---------------------|----|
| Number of Positions | 40 |
|---------------------|----|

|                |   |
|----------------|---|
| Number of Rows | 2 |
|----------------|---|

Product Type Features



|                                   |                       |
|-----------------------------------|-----------------------|
| Applied Pressure                  | High, Standard        |
| PCB Connector Assembly Type       | PCB Mount Receptacle  |
| Connector System                  | Board-to-Board        |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |

Mechanical Attachment

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

Other

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

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                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                  |
| Solder Process Capability                     | Wave solder capable to 265°C                                                                                                    |

Product Compliance Disclaimer

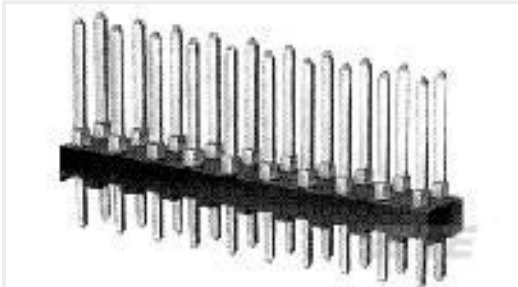
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



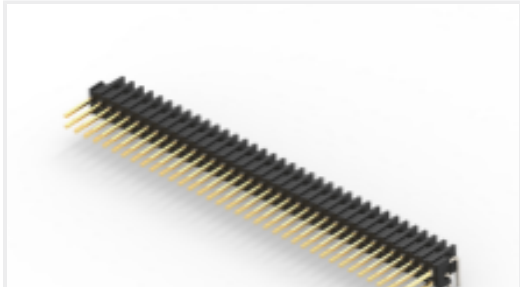
Compatible Parts



TE Part # 2-86479-4  
40 MODII HDR DRRA UNSHRD .100



TE Part # 2-87215-0  
40 MODII HDR DRST UNSHRD .100

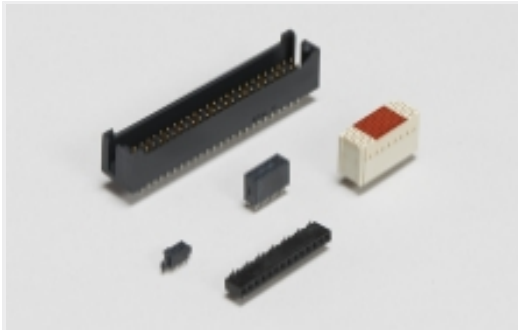


TE Part # 4-86479-1  
74 MODII HDR DRRA UNSHRD .100

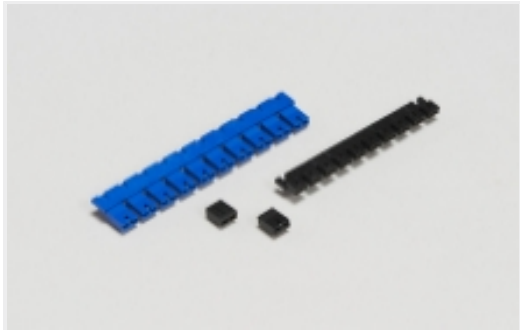
Also in the Series | Modu Connector System



Automotive Connector Caps & Covers (1)



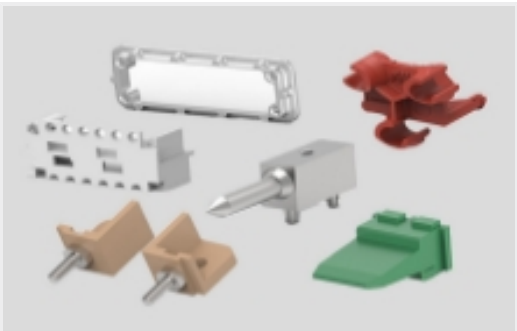
Board-to-Board Headers & Receptacles(814)



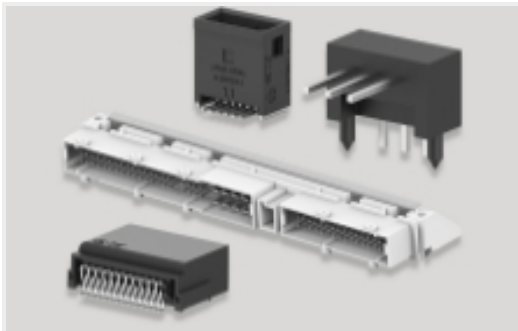
Board-to-Board Jumpers & Shunts(5)



Connector Caps & Covers(1)



Connector Hardware(4)



PCB Headers & Receptacles(814)

Customers Also Bought



TE Part #1775470-4  
HPI CONN., 2.0MM, V/T, SMT, 4P, 80U"



TE Part #350828-1  
09P UMNL HDR ASSY PC 94VO



TE Part #5-102202-5  
08 MODII HDR SRST SHRD LF



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





TE Part #1-1614949-2  
[CPF0805 732K 0.1% 25PPM 1K RL](#)



TE Part #1734260-2  
[1.25 WTB HDR SMT, 2 POS](#)



TE Part #350713-1  
[12P UMNL PIN HDR ASSY 94VO](#)



TE Part #5-532956-2  
[16 MODII 2PC CE RCPT ASSY, RoH](#)



TE Part #5-532956-3  
[20 MODII 2PC CE RCPT ASSY, RoHS](#)



TE Part #2318579-1  
[RCPT CONN R/A SMT 76 POSN QSFP-DD](#)

Documents

Product Drawings

[40 MODII HORZ DR CE EESS .100](#)

English

CAD Files

Customer View Model

[ENG\\_CVM\\_2-535512-5\\_Y1.3d\\_igs.zip](#)

English

[3D PDF](#)

English

Customer View Model

[ENG\\_CVM\\_2-535512-5\\_Y1.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_2-535512-5\\_Y1.3d\\_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English