



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: **120**  
Number of Rows: **3**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| PCB Connector Assembly Type       | PCB Mount Receptacle  |
| Connector System                  | Board-to-Board        |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

|                       |             |
|-----------------------|-------------|
| Stackable             | No          |
| PCB Mount Orientation | Right Angle |
| Number of Positions   | 120         |
| Number of Rows        | 3           |

Electrical Characteristics

|                       |      |
|-----------------------|------|
| Insulation Resistance | 3 MΩ |
|-----------------------|------|

Body Features

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



Contact Features

|                                                         |                                        |
|---------------------------------------------------------|----------------------------------------|
| Contact Mating Area Length                              | 6.98 mm                                |
| PCB Contact Termination Area Plating Material Thickness | 2.54 – 5.08 µm[99.9998 – 199.9996 µin] |
| Contact Layout                                          | Matrix                                 |
| Contact Shape & Form                                    | Four Beam                              |
| PCB Contact Termination Area Plating Material           | Tin                                    |
| Contact Base Material                                   | Copper Alloy                           |
| Contact Mating Area Plating Material                    | Gold                                   |
| Contact Mating Area Plating Material Thickness          | .76 µm[30 µin]                         |
| Contact Type                                            | Socket                                 |
| Contact Current Rating (Max)                            | 3 A                                    |

Termination Features

|                                               |                       |
|-----------------------------------------------|-----------------------|
| Rectangular Termination Post & Tail Thickness | .25 mm[.01 in]        |
| Rectangular Termination Post & Tail Width     | .58 mm[.023 in]       |
| Termination Post & Tail Length                | 3.05 mm[.12 in]       |
| Termination Method to Printed Circuit Board   | Through Hole - Solder |

Mechanical Attachment

|                          |                   |
|--------------------------|-------------------|
| PCB Mount Alignment Type | Post Polarization |
| PCB Mount Retention Type | Mounting Hole     |
| Mating Alignment         | Without           |
| PCB Mount Retention      | Without           |
| PCB Mount Alignment      | With              |
| Connector Mounting Type  | Board Mount       |

Housing Features

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

Dimensions

|                             |                   |
|-----------------------------|-------------------|
| Connector Height            | 18.39 mm[.723 in] |
| PCB Thickness (Recommended) | 2.36 mm[.76 in]   |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Housing Temperature Rating  | High                       |
| Operating Temperature Range | -65 – 125 °C[-85 – 257 °F] |



Operation/Application

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

Industry Standards

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

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 4    |
| Packaging Type     | 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: JUNE 2023 (235)<br>Candidate List Declared Against: JAN 2021 (211)<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 # 5532447-5  
[ASSY,PIN,VERTICAL,HDI,LEAD-FRE](#)

TE Part # 5533061-5  
[ASSY,PIN,VERTICAL,HDI,LEAD-FRE](#)

Customers Also Bought

TE Part #7-6609107-3  
[PS0S0SS3A=C1186](#)

TE Part #2-2176057-9  
[RLP73K 3A R15 1% 1K RL](#)

TE Part #87227-7  
[14 MODII HDR DRST UNSHRD .100](#)

TE Part #87224-2  
[02 MODII HDR SRST UNSHRD .100](#)

TE Part #3-2176343-7  
[CRGCQ 1206 10K 1%](#)

Documents

Product Drawings

[ASSY,RECPT,R.ANGLE,HDI,LEAD-FR](#)

English

CAD Files

[3D PDF](#)

[3D](#)

Customer View Model

[ENG\\_CVM\\_CVM\\_5533268-5\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5533268-5\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5533268-5\\_A.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.



Datasheets & Catalog Pages

1-1773957-5\_AMP\_HDI\_BTBTB\_CONNECTORS\_EN

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English