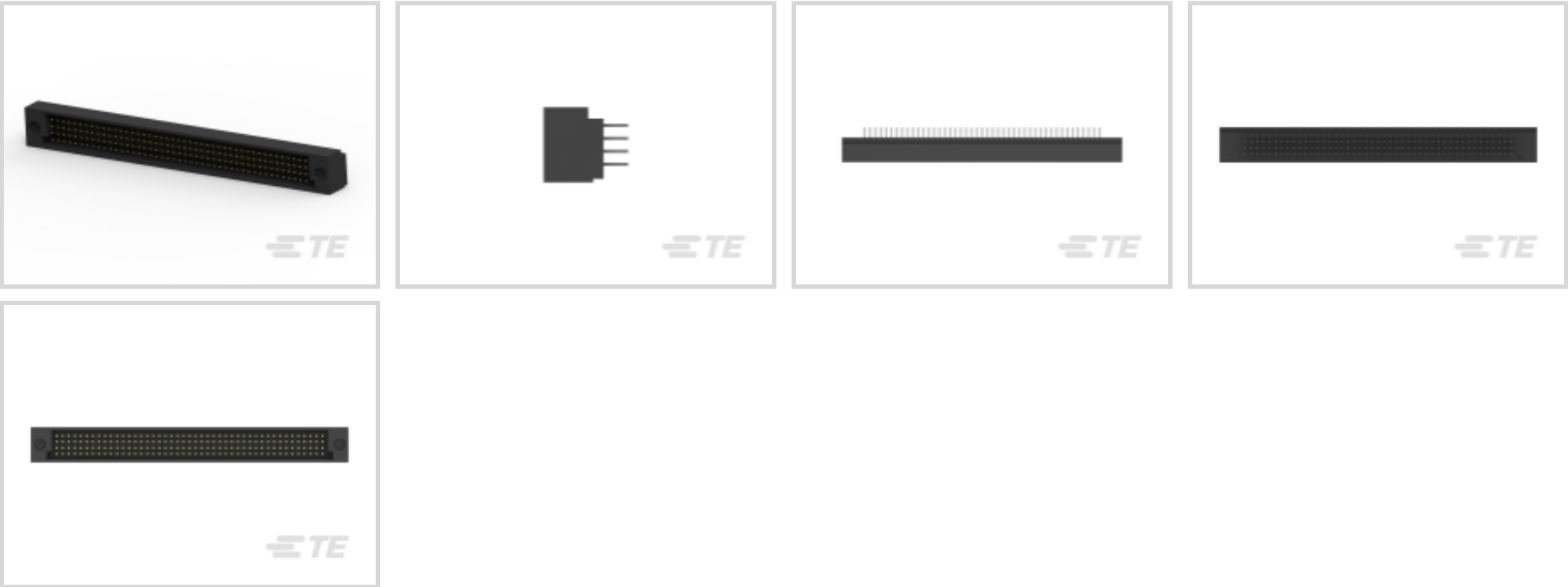




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **180**

Number of Rows: **4**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| PCB Connector Type                | PCB Mount Header      |
| Connector System                  | Board-to-Board        |
| Header Type                       | Fully Shrouded        |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector Product Type            | Connector Assembly    |

Configuration Features

|                       |          |
|-----------------------|----------|
| Stackable             | No       |
| PCB Mount Orientation | Vertical |
| Number of Positions   | 180      |
| Number of Rows        | 4        |

Electrical Characteristics

|                       |      |
|-----------------------|------|
| Insulation Resistance | 4 MΩ |
|-----------------------|------|

Body Features



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

Contact Features

|                                                |                 |
|------------------------------------------------|-----------------|
| Contact Mating Area Plating Material Thickness | .76 µm[30 µin]  |
| Mating Square Post Dimension                   | .64 mm[.025 in] |
| Contact Shape & Form                           | Four Beam       |
| Contact Layout                                 | Matrix          |
|                                                | .21 in          |
| Contact Base Material                          | Phosphor Bronze |
| PCB Contact Termination Area Plating Material  | Tin             |
| Contact Mating Area Plating Material           | Gold (Au)       |
| Contact Type                                   | Pin             |
| Contact Current Rating (Max)                   | 3 A             |

Termination Features

|                                          |                       |
|------------------------------------------|-----------------------|
| Termination Post & Tail Length           | 4.83 mm[.19 in]       |
| Square Termination Post & Tail Dimension | .64 mm[.025 in]       |
| Termination Method to PCB                | Through Hole - Solder |

Mechanical Attachment

|                          |                        |
|--------------------------|------------------------|
| Mating Alignment Type    | Keyed                  |
| PCB Mount Retention Type | Retention Solder Tails |
| 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

|                             |                   |
|-----------------------------|-------------------|
| PCB Thickness (Recommended) | 1.57 mm[.76 in]   |
| Connector Height            | 11.73 mm[.462 in] |

Usage Conditions

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



Operation/Application

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

Industry Standards

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

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 4    |
| Packaging Method   | Tube |

Product Compliance

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

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Not Compliant                                                                                                                                                                                                                                                                                                                                                                                                           |
| EU ELV Directive 2000/53/EC                   | Compliant with Exemptions                                                                                                                                                                                                                                                                                                                                                                                               |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 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>SVHC > Threshold:<br>Pb (13% in 4690948374)<br><b>Article Safe Usage Statements:</b><br>Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free                                                                                                                                                                                                                                                                                                                                     |
| Solder Process Capability                     | Not lead free process capable                                                                                                                                                                                                                                                                                                                                                                                           |

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 # 5532434-6  
[ASSY,RECPT,R.ANGLE,HDI,LEAD-FR](#)

TE Part # 1-533935-3  
[HDI PIN ASSY 4 ROW 180 POS](#)

TE Part # 532434-6  
[HDI RECP ASSY 4 ROW 180 POS](#)

TE Part # 5532436-6  
[ASSY,PIN,VERTICAL,HDI,LEAD-FRE](#)

TE Part # 532903-6  
[HDI RECP ASSY 4 ROW 180 POS](#)

TE Part # 5532903-6  
[ASSY,RECPT,R.ANGLE,HDI,LEAD-FR](#)

Customers Also Bought

TE Part #329696  
[TERMINAL,SOLIS R 90DEG 22-16](#)

TE Part #532434-6  
[HDI RECP ASSY 4 ROW 180 POS](#)

TE Part #532436-2  
[HDI PIN ASSY 4 ROW 120 POS](#)

TE Part #1617031-2  
[HFW1201K03 = HFW 1/2 SIZE RELA](#)

TE Part #4-1617028-9  
[HFW11134S01 = HFW 1/2 SIZE REL](#)

TE Part #66355-2  
[AMP TAB STRIP TERM.](#)

TE Part #1-582589-1  
[AMP-TAB ASSY. 22 POS.](#)

TE Part #1-582561-1  
[AMP-TAB ASSY 43 POS 100 C/L DU](#)

TE Part #1-582587-1  
[AMP-TAB ASSY 18 POS 100 C/L QU](#)

TE Part #1-582591-1  
[AMP TAB ASSY 31 POS 100 C/L](#)

Documents



Product Drawings

HDI PIN ASSY 4 ROW 180 POS

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_532436-6\_T.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_532436-6\_T.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_532436-6\_T.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\_BTBT\_CONNECTORS\_EN

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

Agency Approval Document

English