



AMP-HDI

TE Internal #: 533294-1  
PCB Mount Header, Vertical, Board-to-Board, 240 Position, 2.54 mm [.1 in] Centerline, Fully Shrouded, Gold, Through Hole - Press-Fit, Signal, Natural

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**  
PCB Mount Orientation: **Vertical**  
Connector System: **Board-to-Board**  
Number of Positions: **240**  
Number of Rows: **3**

Features

Product Type Features

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

Configuration Features

|                       |          |
|-----------------------|----------|
| Stackable             | No       |
| PCB Mount Orientation | Vertical |
| Number of Positions   | 240      |
| Number of Rows        | 3        |

Electrical Characteristics

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

Body Features

|                       |         |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|



|                                               |                            |
|-----------------------------------------------|----------------------------|
| Contact Features                              |                            |
|                                               | 30 µin                     |
| Mating Square Post Dimension                  | .64 mm[.025 in]            |
| Contact Layout                                | Matrix                     |
| Contact Shape & Form                          | Four Beam, Square          |
| PCB Contact Termination Area Plating Material | Tin                        |
| Contact Base Material                         | Phosphor Bronze            |
| Contact Mating Area Plating Material          | Gold                       |
| Contact Type                                  | Pin                        |
| Contact Current Rating (Max)                  | 3 A                        |
| Termination Features                          |                            |
| Square Termination Post & Tail Dimension      | .64 mm[.025 in]            |
| Termination Post & Tail Length                | 6.35 mm[.25 in]            |
| Termination Method to Printed Circuit Board   | Through Hole - Press-Fit   |
| Mechanical Attachment                         |                            |
| PCB Mount Retention Type                      | Action/Compliant Tail      |
| Mating Alignment                              | With                       |
| Mating Alignment Type                         | Keyed                      |
| PCB Mount Retention                           | With                       |
| PCB Mount Alignment                           | Without                    |
| Connector Mounting Type                       | Board Mount                |
| Housing Features                              |                            |
| Centerline (Pitch)                            | 2.54 mm[.1 in]             |
| Housing Material                              | Thermoplastic              |
| Dimensions                                    |                            |
| 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 | 2    |
| Packaging Type     | 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: JUNE 2023 (235)<br>Candidate List Declared Against: JAN 2020 (205)<br>Does not contain REACH SVHC |
| Halogen Content                               | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.                                                                         |
| Solder Process Capability                     | Not applicable for solder process capability                                                                                   |

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 # 533514-1  
HDI RECP ASSY 3 ROW 240 POS

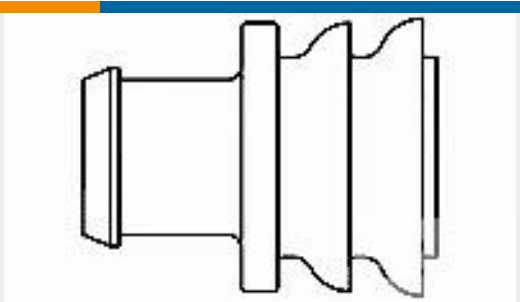
Customers Also Bought



TE Part #1658694-5  
AMP-LATCH UNV HDR,64 POSN,VERT



TE Part #292303-1  
Std USB Type A, R/A, T/H



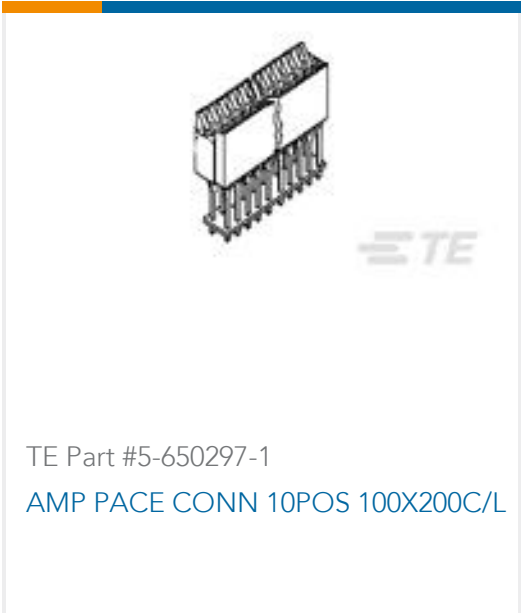
TE Part #281934-2  
SINGLE WIRE SEAL



TE Part #1-1418390-1  
4 POS AMP MCP 2.8 REC HSG



TE Part #3-1474644-2  
FSN-24A-4



TE Part #5-650297-1  
AMP PACE CONN 10POS 100X200C/L

Documents

Product Drawings

HDI PIN ASSY 3 ROW 240 POS

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_533294-1\_P.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_533294-1\_P.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_533294-1\_P.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