



AMP-HDI

TE Internal #: 532448-9

PCB Mount Header, Vertical, Board-to-Board, 240 Position, 2.54 mm [.1 in] Centerline, Fully Shrouded, Gold (Au), Through Hole - Press-Fit, Signal

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **240**

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   | 240      |
| Number of Rows        | 4        |

**Electrical Characteristics**

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

**Body Features**



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

### Contact Features

|                              |                 |
|------------------------------|-----------------|
| 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 | 6.35 mm[.25 in] |
|--------------------------------|-----------------|

|  |                 |
|--|-----------------|
| Square Termination Post & Tail Dimension | .64 mm[.025 in] |
|--|-----------------|

|                           |                          |
|---------------------------|--------------------------|
| Termination Method to PCB | Through Hole - Press-Fit |
|---------------------------|--------------------------|

### Mechanical Attachment

|                          |                       |
|--------------------------|-----------------------|
| PCB Mount Retention Type | Action/Compliant Tail |
|--------------------------|-----------------------|

|                       |       |
|-----------------------|-------|
| Mating Alignment Type | Keyed |
|-----------------------|-------|

|                     |      |
|---------------------|------|
| PCB Mount Retention | With |
|---------------------|------|

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

|                  |                   |
|------------------|-------------------|
| 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 | 3    |
| 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 (100% in Component Part)<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 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 # 532434-9  
HDI RECP ASSY 4 ROW 240 POS

## Customers Also Bought



TE Part #1-6450869-4  
V/R 2ACP+1LP+32S+3HDP+1LP+1P



TE Part #103168-8  
20 MODII HDR DRST SHRD .100CL



TE Part #1-1469492-8  
MULTIGIG RT 9MM GUIDE/ESD 315 DEG



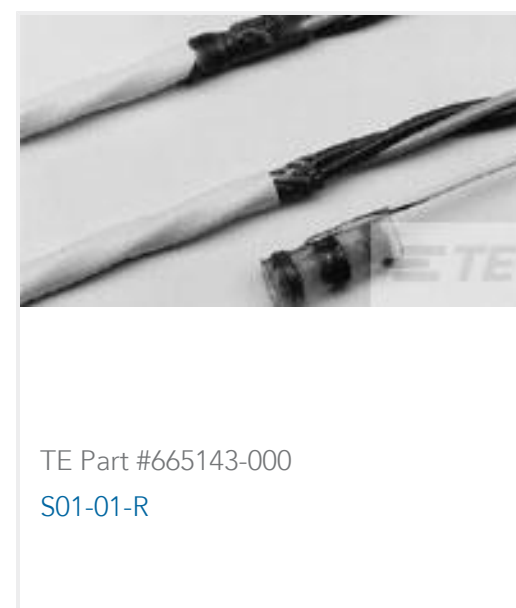
TE Part #2-2176400-9  
3540 15R 1%



TE Part #1658694-6  
A/L UNIV HDR 10P ACT PIN



TE Part #1-770178-1  
06P MINI UMNL ASSY VO SNAU LF



TE Part #665143-000  
S01-01-R



TE Part #CAT-472-Z12553  
HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm

## Documents

### Product Drawings

[HDI PIN ASSY 4 ROW 240 POS](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_532448-9\\_P.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_532448-9\\_P.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_532448-9\\_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

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### Product Specifications

[Application Specification](#)

English

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### Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

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### Agency Approvals

[Agency Approval Document](#)

English