



Connectors > PCB Connectors > PCB Headers & Receptacles > AMP HPI 1.0 mm Headers



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **11**

Number of Rows: **1**

[All AMP HPI 1.0 mm Headers \(0\)](#)

Features

Product Type Features

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

Configuration Features

|                                  |              |
|----------------------------------|--------------|
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation            | Vertical     |
| Number of Positions              | 11           |
| Number of Rows                   | 1            |

Electrical Characteristics

|                   |        |
|-------------------|--------|
| Operating Voltage | 50 VDC |
|-------------------|--------|

Body Features

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



|                       |       |
|-----------------------|-------|
| Primary Product Color | Ivory |
|-----------------------|-------|

Contact Features

|   |                   |
|---|-------------------|
| PCB Contact Termination Area Plating Material Finish    | Matte             |
| Contact Mating Area Plating Material Thickness          | 3.048 µm[120 µin] |
| Mating Tab Width  | .49 mm[.019 in]   |
| PCB Contact Termination Area Plating Material Thickness | 3.05 µm[120 µin]  |
| Contact Layout  | Inline            |
| Contact Base Material                                   | Phosphor Bronze   |
| Mating Tab Thickness                                    | .2 mm[.008 in]    |
| PCB Contact Termination Area Plating Material           | Tin               |
| Contact Mating Area Plating Material Finish             | Matte             |
| Contact Mating Area Plating Material                    | Nickel (Ni)       |
| Contact Type  | Pin               |
| Contact Current Rating (Max)                            | 3 A               |

Termination Features

|   |                |
|---|----------------|
| Rectangular Termination Post & Tail Width     | .3 mm[.012 in] |
| Rectangular Termination Post & Tail Thickness | .2 mm[.008 in] |
| Terminations per Post (Max)                   | 3              |
| Termination Method to PCB                     | Surface Mount  |

Mechanical Attachment

|                          |              |
|--------------------------|--------------|
| Mating Retention         | Without      |
| Mating Alignment Type    | Polarization |
| PCB Mount Retention Type | Solder Peg   |
| PCB Mount Retention      | With         |
| PCB Mount Alignment      | Without      |
| Connector Mounting Type  | Board Mount  |
| Mating Alignment         | With         |

Housing Features

|                    |                                |
|--------------------|--------------------------------|
| Housing Material   | High Temperature Thermoplastic |
| Centerline (Pitch) | 1 mm[.039 in]                  |

Dimensions

|                 |               |
|-----------------|---------------|
| Connector Width | 5.1 mm[.2 in] |
|-----------------|---------------|



|                  |                  |
|------------------|------------------|
| Connector Height | 4.3 mm[.169 in]  |
| Connector Length | 13.3 mm[.524 in] |

Operation/Application

|                          |                      |
|--------------------------|----------------------|
| Assembly Process Feature | Pick and Place Cover |
| Circuit Application      | Signal               |

Industry Standards

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

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 1000 |
| Packaging Method   | Tape |

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: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2021 (211)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.  |
| Solder Process Capability                     | Reflow solder 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

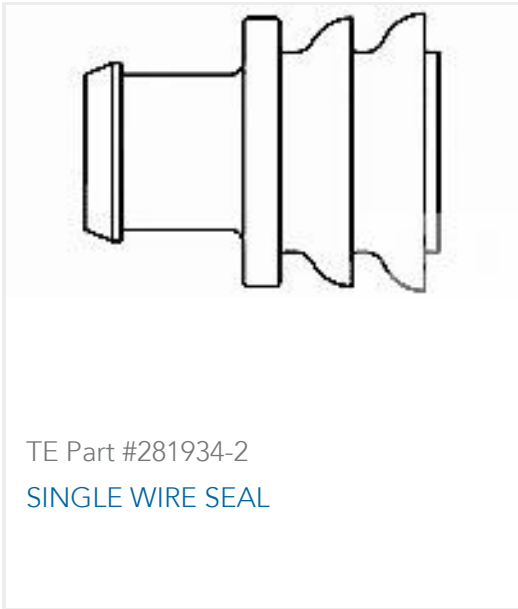


TE Part # 1-1470364-1  
1.0MM W T B RECPT, 11 POS HOUSING

Customers Also Bought



TE Part #CAT-AM71-CH8172  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSING



TE Part #281934-2  
SINGLE WIRE SEAL



TE Part #CAT-D48-ST273  
DEUTSCH Solid Contacts



TE Part #206070-8  
CABLE CLAMP KIT #17



TE Part #DT04-2P  
REC, 2P, GRY, N



TE Part #DT06-2S  
PLG, 2P, GRY, N



TE Part #CAT-D487-W416  
Wedgelocks: DEUTSCH DT

Documents

Product Drawings

1.0 WTB SR VT HDR 11 POS

English

CAD Files

Customer View Model

ENG\_CVM\_1-1734595-1\_A1.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_1-1734595-1\_A1.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_1-1734595-1\_A1.2d\_dxf.zip

English

3D PDF

English

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



Datasheets & Catalog Pages

HPI Connectors QRG

English

Product Specifications

Application Specification

English