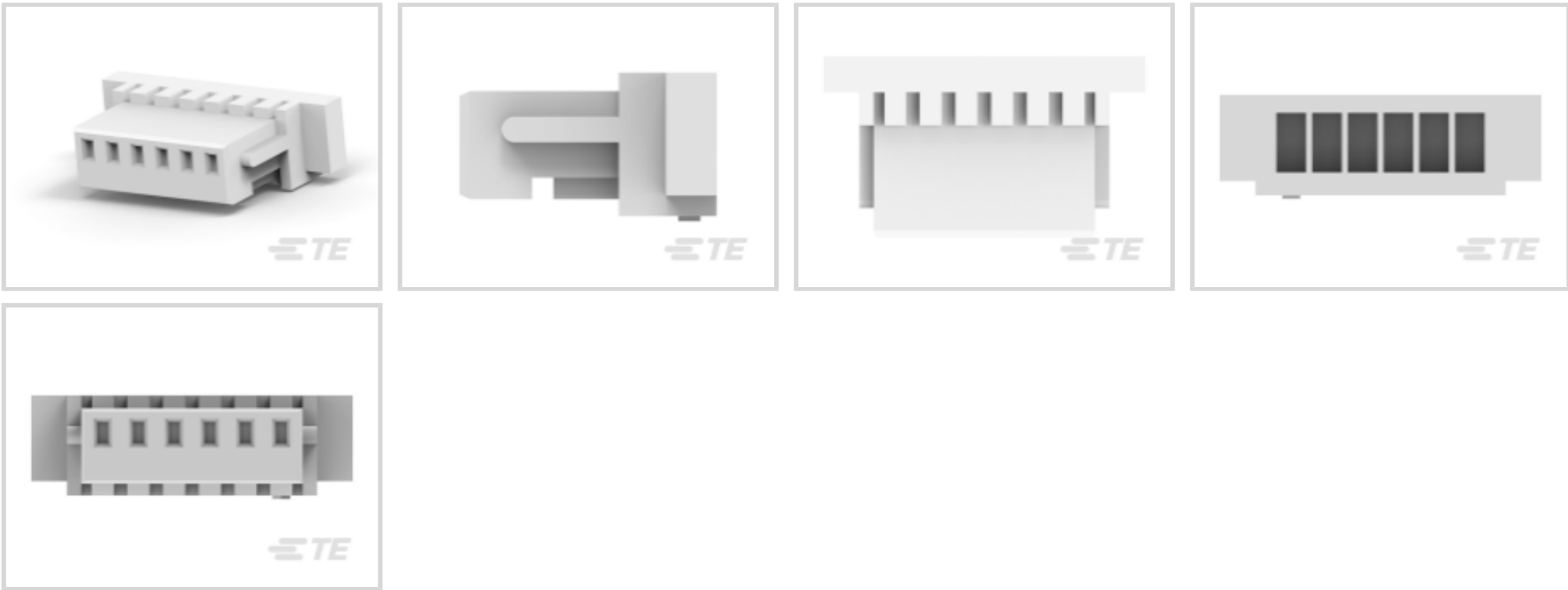




Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings > AMP HPI 1.0 mm Receptacle Housings



Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **6**

Centerline (Pitch): **1 mm [ .039 in ]**

[All AMP HPI 1.0 mm Receptacle Housings \(1\)](#)

Features

Product Type Features

|                                   |               |
|-----------------------------------|---------------|
| Connector Product Type            | Housing       |
| Connector & Housing Type          | Receptacle    |
| Connector System                  | Wire-to-Board |
| Sealable                          | No            |
| Connector & Contact Terminates To | Wire & Cable  |

Configuration Features

|                     |   |
|---------------------|---|
| Number of Positions | 6 |
| Number of Rows      | 1 |

Electrical Characteristics

|                   |        |
|-------------------|--------|
| Operating Voltage | 50 VAC |
|-------------------|--------|

Body Features

|                       |       |
|-----------------------|-------|
| Primary Product Color | White |
|-----------------------|-------|

Contact Features



|                              |        |
|------------------------------|--------|
| Contact Layout               | Inline |
| Contact Type                 | Socket |
| Contact Current Rating (Max) | 1 A    |

Termination Features

|                                    |       |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Strain Relief           | Without                    |
| Panel Mount Feature     | Without                    |
| PCB Mount Retention     | Without                    |
| Mating Retention        | Without                    |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

Housing Features

|                             |                  |
|-----------------------------|------------------|
| Housing Entry Configuration | Both Ends Closed |
| Housing Material            | Thermoplastic    |
| Centerline (Pitch)          | 1 mm[.039 in]    |

Dimensions

|                  |                |
|------------------|----------------|
| Connector Length | 9 mm[.354 in]  |
| Connector Height | 2.8 mm[.11 in] |
| Connector Width  | 5 mm[.197 in]  |
| Wire Size        | 32 - 28 AWG    |

Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| Operating Temperature Range | 55 - 105 °C[131 - 221 °F] |
|-----------------------------|---------------------------|

Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

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

Packaging Features

|                    |       |
|--------------------|-------|
| Packaging Quantity | 32000 |
| Packaging Method   | Bag   |

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 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<br>Does not contain REACH SVHC |
| 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 # 1734597-1  
1.0 WTB Terminal, Receptacle



TE Part # CAT-H857-H34210  
AMP HPI 1.0 mm Headers

Customers Also Bought





TE Part # 1880984007  
RAYRIM-NR7-0-SP



TE Part # 172211-4  
EIS CAP HSG FREE HANG 4P  
NATUTURAL



TE Part # 171826-5  
POST HDR ASSY HDR AMP EI CONN



TE Part # 172211-6  
EIS CAP HSG FREE HANG 6P  
NATUTURAL



TE Part # 292303-4  
Std USB Type A, R/A, T/H



TE Part # 1969590-4  
HSG, REC, PANEL MOUNT, SINGLE  
ROW,EP2.5



TE Part # 1932869-1  
FBIS-II REC ASSY 6 POS, 0.5um Gold



TE Part # NB31682001  
CRN-1/16-0-STK



TE Part # 1470364-5  
AMP HPI 1.0 mm Receptacle Housings

Documents

Product Drawings  
1.0MM W T B RECPT,6POS HOUSING  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_1470364-6\_R\_c-1470364-6-r.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_1470364-6\_R\_c-1470364-6-r.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_1470364-6\_R\_c-1470364-6-r.3d\_stp.zip  
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