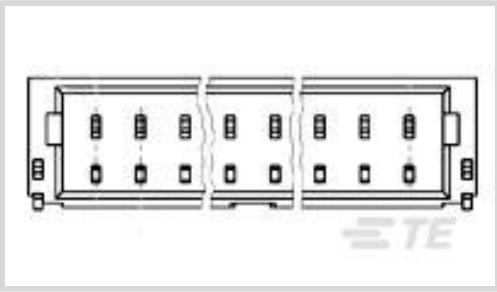




Connectors > PCB Connectors > PCB Headers & Receptacles > AMP HPI 1.0MM HEADERS



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

Number of Positions: **10**

Number of Rows: **1**

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

PCB Mount Orientation: **Right Angle**

[All AMP HPI 1.0MM HEADERS \(28\)](#)

Features

Product Type Features

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

Configuration Features

Connector Contact Load Condition	Fully Loaded
Number of Positions	10
Number of Rows	1
PCB Mount Orientation	Right Angle

Electrical Characteristics

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

Body Features

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

Contact Features

Contact Layout	Inline
PCB Contact Termination Area Plating Material Thickness	3.048 μm[120 μin]



Mating Tab Width	.49 mm[.019 in]
Mating Tab Thickness	.2 mm[.008 in]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Nickel
Contact Type	Pin
Contact Current Rating (Max)	.8 A

Termination Features

Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Rectangular Termination Post & Tail Width	.3 mm[.012 in]
Termination Post & Tail Length	.7 mm[.028 in]
Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

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

Housing Features

Housing Material	PA 9T GF
Centerline (Pitch)	1 mm[.039 in]

Dimensions

Connector Length	12.3 mm[.484 in]
Connector Height	2.9 mm[.114 in]
Connector Width	4.95 mm[.195 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 185 °F]
-----------------------------	----------------------------

Operation/Application

--



Circuit Application	Signal
---------------------	--------

Industry Standards

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

Packaging Features

Packaging Quantity	1500
Packaging Type	Reel

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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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



Documents

Product Drawings

1.0 WTB HDR SR RA 10 POS

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-1734709-0_B.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1734709-0_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1734709-0_B.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