



HPI

TE Internal #: 1-1775470-3

PCB Mount Header, Vertical, Wire-to-Board, 13 Position, 2 mm [.079 in] Centerline, Fully Shrouded, Tin, Surface Mount, Signal, Natural, HPI

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles > AMP HPI 2.0MM HEADERS



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

Number of Positions: **13**

Number of Rows: **1**

Centerline (Pitch): **2 mm [.079 in]**

PCB Mount Orientation: **Vertical**

[All AMP HPI 2.0MM HEADERS \(211\)](#)

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

Number of Positions	13
Number of Rows	1
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	250 VAC
-------------------	---------

Body Features

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

Contact Features

Contact Layout	Inline
Contact Mating Area Length	3.5 mm[.138 in]



Mating Square Post Dimension	.5 mm[.02 in]
PCB Contact Termination Area Plating Material Thickness	2 μm[80 μin]
Contact Mating Area Plating Material Thickness	2 μm[80 μin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
Contact Mating Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material	Nickel
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Square Termination Post & Tail Dimension	.5 mm[.02 in]
Terminations per Post (Max)	3
Termination Post & Tail Length	2 mm[.079 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)	2 mm[.079 in]

Dimensions

Connector Length	29.4 mm[1.158 in]
Connector Height	6.15 mm[.242 in]
Connector Width	5.4 mm[.213 in]

Usage Conditions



Operating Temperature Range	-25 – 85 °C[-13 – 185 °F]
-----------------------------	---------------------------

Operation/Application

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

Industry Standards

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

Packaging Features

Packaging Quantity	500
--------------------	-----

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



TE Part # 1-440129-3
2.0MM,HSG,13POS

Also in the Series | HPI



PCB Headers & Receptacles(362)



Wire-to-Board Connector Assemblies
& Housings(139)



Wire-to-Board Connector Contacts(2)

Documents

Product Drawings

[HPI CONN., 2.0MM, V/T, SMT, 13P, 80U"](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-1775470-3_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1775470-3_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1775470-3_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

1-1775470-3

PCB Mount Header, Vertical, Wire-to-Board, 13 Position, 2 mm [.079 in] Centerline,
Fully Shrouded, Tin, Surface Mount, Signal, Natural, HPI



[Agency Approvals](#)

[UL Report](#)

English