



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



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

Number of Positions: **3**

Number of Rows: **1**

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

PCB Mount Orientation: **Vertical**

[All AMP HPI 2.0MM HEADERS \(212\)](#)

Features

Product Type Features

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

Configuration Features

Number of Positions	3
Number of Rows	1
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Mating Area Length	3.35 mm[.131 in]
Mating Square Post Dimension	.5 mm[.02 in]
Contact Mating Area Plating Material Thickness	2.032 µm[80 µin]
PCB Contact Termination Area Plating Material Finish	Bright
Contact Shape & Form	Square
Contact Mating Area Plating Material Finish	Bright
PCB Contact Termination Area Plating Material	Tin
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	3.4 mm[.134 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention	Without
PCB Mount Retention Type	Kinked Tines
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With

Housing Features

Housing Material	Nylon 66 GF
Centerline (Pitch)	2 mm[.079 in]

Dimensions

Connector Length	8 mm[.314 in]
Connector Height	6.05 mm[.238 in]
Connector Width	4.7 mm[.185 in]



PCB Thickness (Recommended)1 – 1.6 mm[.039 – .063 in]

Usage Conditions

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

Operation/Application

Circuit ApplicationSignal

Industry Standards

UL Flammability RatingUL 94V-0

Packaging Features

Packaging Quantity300

Packaging TypeBag

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EUCompliant

EU ELV Directive 2000/53/ECCompliant

China RoHS 2 Directive MIIT Order No 32, 2016No Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006Current ECHA Candidate List: JUNE 2022 (224)
Candidate List Declared Against: JAN 2022 (223)
SVHC > Threshold:
Not Yet Reviewed

Halogen ContentLow Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process CapabilityWave solder capable to 240°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 # CAT-H857-H817220
AMP HPI 2.0MM RECEPTACLE
HOUSINGS

Customers Also Bought

TE Part #440055-6
2.0MM,HDR,6POS,R/A

TE Part #1-292253-1
CT CONN MT HDR ASSY H 11P NAT

TE Part #1734099-4
Champ 050 series,plug assembly

TE Part #1971845-3
3P, RAST 5 Tab Header, THV

TE Part #5-6437137-0
FSN-21.5A-20

TE Part #5-1971846-2
2P, RAST 5 Tab Header, THV

TE Part #1649329-7
RTE24048

TE Part #4-1971846-2
2P, RAST 5 Tab Header, THV

Documents

Product Drawings
2.0MM,HDR,3POS,VERTICAL

English

CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_440054-3_F4.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_440054-3_F4.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_440054-3_F4.3d_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

Product Environmental Compliance

[MD_440054-3_121820171335_dmtec](#)

English

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Agency Approvals

[UL Report](#)

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