



Connectors > PCB Connectors > PCB Headers & Receptacles > AMP HPI 2.0 mm Headers



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

Number of Positions: **2**

Number of Rows: **1**

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

PCB Mount Orientation: **Vertical**

[All AMP HPI 2.0 mm Headers \(205\)](#)

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	2
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	6 mm[.236 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]
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Usage Conditions

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

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	300
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) Candidate List Declared Against: JAN 2024 (240) 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	Wave 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 2.0 mm Receptacle Housings



TE Part # 2405418-2  
2P TO 2P 300MM CABLE ASSEMBLY, 440129-2

Customers Also Bought



TE Part #440054-6  
AMP HPI 2.0 mm Headers



TE Part #1775485-1  
Battery Holder, 3.6mm, BLK, low profile



TE Part #1470224-2  
HPI 2.5MM EMIX ASSY V/T 2P



TE Part #3-5147490-2  
Next Gen PACE Conn 32 POS 1X2



TE Part #3-292207-7  
MINI CT SGL DIP V 17P BLACK

TE Part #2271302-1  
AMPMODU, PIN, 2.0P, RA, TH, 30P, 3U" AU

TE Part #4-1775470-2  
HPI CONN., 2.0MM, V/T, SMT, 2P, 80U"

Documents

Product Drawings  
2.0MM,HDR,2POS,VERTICAL  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_440054-2\_F4.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_440054-2\_F4.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_440054-2\_F4.3d\_stp.zip  
English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.



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Datasheets & Catalog Pages

HPI Connectors QRG

English

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Product Specifications

Application Specification

English

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Agency Approvals

UL Report

English