



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



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **5**

Number of Rows: **1**

[All AMP HPI 2.0 mm Headers \(183\)](#)

Features

Product Type Features

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

Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	5
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material Finish	Bright
Mating Square Post Dimension	.5 mm[.02 in]
PCB Contact Termination Area Plating Material Thickness	2.032 µm[79.92 µin]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	3.35 mm[.131 in]
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Termination Post & Tail Length	3.4 mm[.134 in]
Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	2 mm[.079 in]

Dimensions

Connector Width	4.7 mm[.185 in]
PCB Thickness (Recommended)	1 – 1.6 mm[.039 – .063 in]
Connector Height	6.07 mm[.239 in]
Connector Length	12 mm[.472 in]



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	450
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	Out of Scope
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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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](#)

Customers Also Bought



TE Part #1735446-6  
[2MM PITCH HPI POST HEADER, VERTICAL, 6P](#)



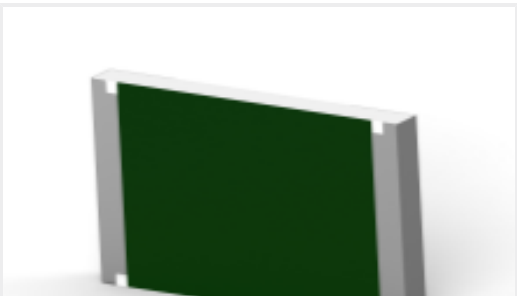
TE Part #6-1419120-6  
[V23079A2008B301](#)



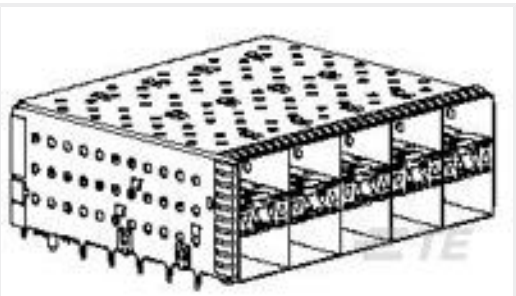
TE Part #1-2176371-0  
[RQ 0603 5K76 0.1% 10PPM 5K RL](#)



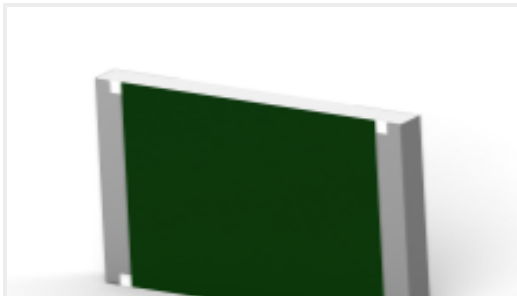
TE Part #1735447-5  
[HPI 2.0 RECEPTACLE HOUSING, 5P](#)



TE Part #4-2176407-8  
[3560 1M2 1%](#)



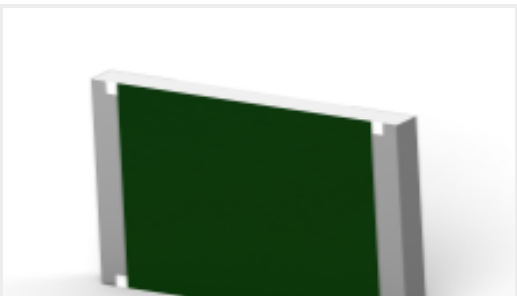
TE Part #1-2132403-5  
[2X5 SFP+ EMI Sprg 4 LP Sn Enhanced](#)



TE Part #4-2176407-5  
[3560 910K 1%](#)



TE Part #1-1879134-2  
[RN 0603 12K7 0.1% 10PPM 1K RL](#)



TE Part #4-2176407-2  
[3560 680K 1%](#)



TE Part #5788793-2  
[09 HTMSFL PLUG RA 318 \(SL,BL\)](#)

Documents

Product Drawings

[2MM PITCH HPI POST HEADER, VERTICAL, 5P](#)

English

CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1735446-5\\_C.2d\\_dxf.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1735446-5\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1735446-5\\_C.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