



HPI

TE Internal #: 1-1735446-5

PCB Mount Header, Vertical, Wire-to-Board, 15 Position, 2 mm [.079 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, Signal, HPI

[View on TE.com >](#)

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



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

[All AMP HPI 2.0 mm Headers \(206\)](#)

**Features**

**Other**

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

**Product Type Features**

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

**Configuration Features**

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	15
Number of Rows	1

**Electrical Characteristics**

Operating Voltage	250 VDC
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**Body Features**

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Primary Product Color	Natural
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### Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material Finish	Bright
Mating Square Post Dimension	.5 mm[.02 in]
PCB Contact Termination Area Plating Material Thickness	2.03 $\mu$ m[79.92 $\mu$ in]
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
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	32 mm[1.26 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	160
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: JUNE 2024 (241) Candidate List Declared Against: JAN 2021 (211) 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

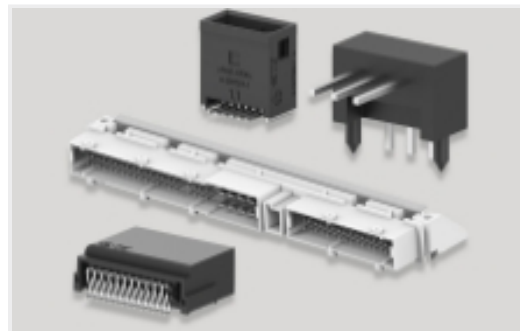


TE Part # 3-1735446-5  
2mm PITCH HPI POST HEADER,  
VERTICAL, 15P

### Also in the Series | HPI



Connector Contacts(1)



PCB Headers & Receptacles(332)

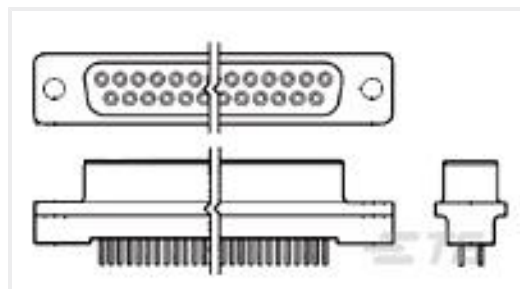


Wire-to-Board Connector Assemblies  
& Housings(134)

### Customers Also Bought



TE Part #2-5748003-0  
09 PLUG SP/FMS BRDLK



TE Part #5745076-4  
HD-20 RCPT 9P VERT FFSCRLK



TE Part #31886  
PIDG R 22-16 COMM 22-18 MIL 8



TE Part #1-640456-2  
12P MTA100 HDR ASSY F/L SQ STR



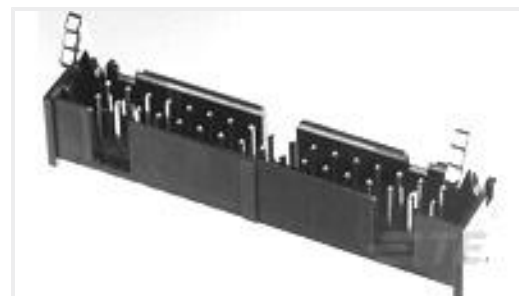
TE Part #5747877-3  
FEMALE SCREWLOCK ZINC CLEAR



TE Part #5520425-3  
MJ,TE,6P/6C,BULK PAC



TE Part #5556416-1  
MJ,TE,8P



TE Part #104128-5  
026 LOPRO HDR SP 30DP LATCH

### Documents

#### Product Drawings

2MM PITCH HPI POST HEADER, VERTICAL, 15P



English

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**CAD Files**

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1735446-5\\_C.2d\\_dxf.zip](#)

English

**3D PDF**

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1735446-5\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1735446-5\\_C.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