



HPI

TE Internal #: 6-1775443-5  
PCB Mount Header, Vertical, Wire-to-Board, 15 Position, 1.5 mm [.059 in] Centerline, Fully Shrouded, Tin, Surface Mount, Signal, Natural, Reel, HPI

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles > AMP HPI 1.5 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 1.5 mm Headers \(57\)](#)

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	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	15
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

PCB Contact Termination Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	2.54 µm[100 µin]
Mating Square Post Dimension	.4 mm[.016 in]
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Layout	Inline
Contact Mating Area Length	2.7 mm[.106 in]
Contact Base Material	Brass
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

Rectangular Termination Post & Tail Width	.6 mm[.024 in]
Rectangular Termination Post & Tail Thickness	.4 mm[.016 in]
Terminations per Post (Max)	3
Termination Post & Tail Length	1.55 mm[.061 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

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

Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	1.5 mm[.059 in]

Dimensions

Connector Width	6 mm[.236 in]
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Connector Height	5 mm[.197 in]
Connector Length	24 mm[.945 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °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	1000
Packaging Method	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 2024 (241) 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	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 # 1775442-1  
EMIX CONN., 1.5mm PITCH, TERMI

TE Part # 1-1775441-5  
EMIX CONN., 1.5MM PITCH, RCPT, HSG, 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 #2176163-9  
UPF50 0.1% 5PPM 20R

TE Part #4-2176349-5  
CRGCQ 2512 47K 1%

TE Part #2176331-8  
CRGP 2512 39R 1%

Documents

Product Drawings  
EMIX CONN., 1.5MM PITCH, HDR, V/T, 15P  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_6-1775443-5\_B4.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_6-1775443-5\_B4.3d\_igs.zip  
English



Customer View Model

[ENG\\_CVM\\_CVM\\_6-1775443-5\\_B4.3d\\_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

Agency Approvals

[UL Report](#)

English