



TE Internal #: 6-1775443-0
PCB Mount Header, Vertical, Wire-to-Board, 10 Position, 1.5mm [.059in] Centerline, 1 Row, Tin, Natural Housing Color, Fully Shrouded
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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles > AMP HPI 1.5MM HEADERS



PCB Connector Assembly Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Wire-to-Board**
Number of Positions: **10**
Centerline (Pitch): **1.5 mm [.059 in]**

[All AMP HPI 1.5MM HEADERS \(57\)](#)

Features

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	10
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Contact Layout	Inline
Contact Mating Area Length	2.7 mm[.106 in]
Mating Square Post Dimension	.4 mm[.016 in]
Contact Retention Within Housing	With
PCB Contact Termination Area Plating Material Thickness	2.54 μm[100 μin]



PCB Contact Termination Area Plating Material Finish	Bright
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Bright
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Rectangular Termination Post & Tail Thickness	.4 mm[.016 in]
Rectangular Termination Post & Tail Width	.6 mm[.024 in]
Termination Post & Tail Length	1.55 mm[.061 in]
Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Polarization
Mating Alignment	With
Contact Retention Type Within Housing	Locking Lance
PCB Mount Alignment	Without
Mating Retention	Without
PCB Mount Retention	Without
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Connector Length	16.5 mm[.649 in]
Connector Height	5 mm[.197 in]
Connector Width	6 mm[.236 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: JAN 2021 (211) 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	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 # CAT-H857-H817215
AMP HPI 1.5MM RECEPTACLE HOUSINGS



TE Part # 1775442-1
EMIX CONN., 1.5mm PITCH, TERMINAL HOUSING

Customers Also Bought



TE Part #5-1775443-8
AMP HPI 1.5MM HEADERS



TE Part #4-1879227-8
CPF 1206 523K 0.1% 25PPM 1K RL



TE Part #20009605-18
Compact Compression Load Cell



TE Part #9-6609930-1
CORCOM P SERIES MULTI-FUNCTION INLET FILTER



TE Part #1879029-9
3213 200K



TE Part #5-146256-2
04 MODII HDR DRST B/A .100CL LF



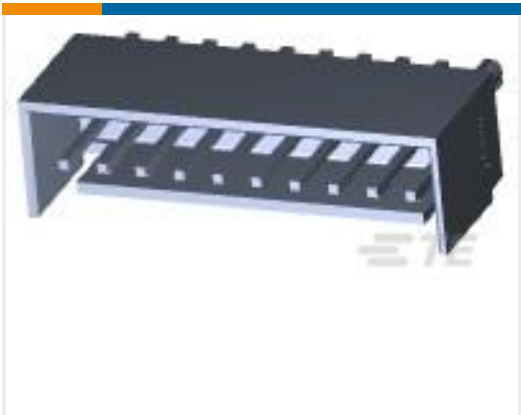
TE Part #147377-1
10 SYS50 SMT HDR DR SHD W/O HD



TE Part #213300-7
M-SERIES 34P CBL PLUG KIT



TE Part #213522-2
KIT,34 POS,M SERIES



TE Part #4-644893-0
10P CST100 SHRD HDR ASSY LF

Documents

Product Drawings
EMIX CONN., 1.5MM PITCH, HDR, V/T, 10P
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_6-1775443-0_B4.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_6-1775443-0_B4.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-1775443-0_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](#)

English