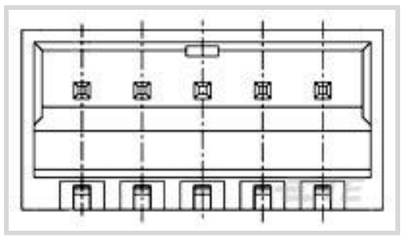
6-1775444-2 ✔ ACTIVE

TE Internal #: 6-1775444-2

PCB Mount Header, Right Angle, Wire-to-Board, 12 Position, 1.5 mm [.059 in] Centerline, Fully Shrouded, Tin, Surface Mount, Signal, Natural, Reel

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles > AMP HPI 1.5 mm Headers



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

Number of Positions: **12**

Number of Rows: **1**

Centerline (Pitch): **1.5 mm [.059 in]**

PCB Mount Orientation: **Right Angle**

All AMP HPI 1.5 mm Headers (57)

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	12
Number of Rows	1
PCB Mount Orientation	Right Angle

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Primary Product Color	Natural

Contact Features

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

Contact Layout	Inline
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

Rectangular Termination Post & Tail Thickness	.4 mm[.016 in]
Rectangular Termination Post & Tail Width	.6 mm[.024 in]
Termination Post & Tail Length	2.05 mm[.081 in]
Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Length	19.5 mm[.767 in]
Connector Height	4.45 mm[.175 in]
Connector Width	7 mm[.276 in]

Usage Conditions

Operating Temperature Range	-55 - 105 °C[-67 - 221 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1000
Packaging Method	Reel

Product Compliance

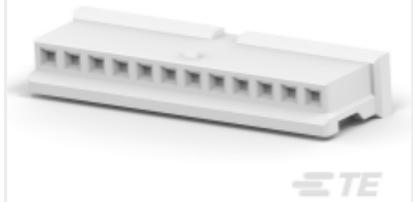
For compliance documentation, visit the product page on TE.com>

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 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # 1-1775441-2
EMIX CONN., 1.5MM PITCH, RCPT, HSG, 12P

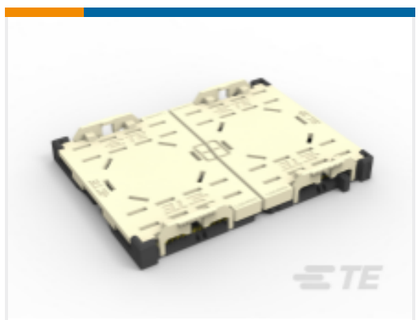


TE Part # 1775442-1
EMIX CONN., 1.5mm PITCH, TERMI

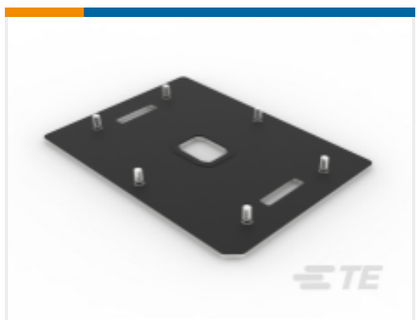
Customers Also Bought



TE Part # 1-1630012-9
HSC150 2R2 5%



TE Part # 1-2324271-2
LEFT SEGMENT LGA4189-4 SOCKET-P4 FOR ODM



TE Part # 2-2330551-1
SOCKET P4/P5 BACKPLATE ASSY, STUD 6.02MM



TE Part # 1-2176343-3
CRGCQ 1206 100R 1%



TE Part # 8638624002
RNF-3000-18/6-0-SP



TE Part # 322733
TERMINAL,SOLIS R HR 16-14 1/4



TE Part # 323683
TERMINAL,SOLIS R HT 12-10 1/4



TE Part # CONUFL001-SMD-T
U.FL/MHF1 Jack 50 Ohm PCB Surface Mount

TE Part # 2369957-6
SLIM SAS 4X VT 100OHM

TE Part # 2307261-1
LBF-2200-0910EU

Documents

Product Drawings

EMIX CONN., 1.5MM PITCH, HDR, R/A, 12P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-1775444-2_A2.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6-1775444-2_A2.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6-1775444-2_A2.3d_stp.zip

English

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

Datasheets & Catalog Pages

HPI Connectors QRG

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English