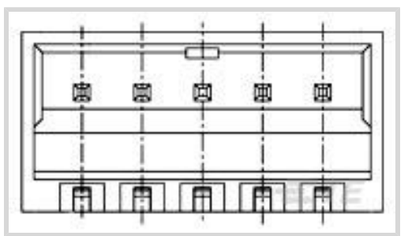
6-1775444-2 ✔ ACTIVE

TE Internal #: 6-1775444-2

PCB Mount Header, Right Angle, Wire-to-Board, 12 Position, 1.5 mm [.059in] Centerline, 1 Row, Tin, Natural Housing Color, Fully Shrouded

View on TE.com >

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: **Right Angle**

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

Number of Positions: **12**

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	Right Angle
Number of Positions	12
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC

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	2.05 mm[.081 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	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 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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 # CAT-H857-H817215
AMP HPI 1.5MM RECEPTACLE HOUSINGS

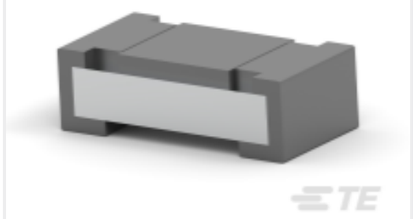


TE Part # 1775442-1
EMIX CONN., 1.5mm PITCH, TERMI

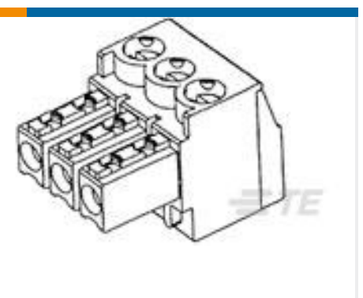
Customers Also Bought



TE Part #1-1775441-2
AMP HPI 1.5MM RECEPTACLE HOUSINGS



TE Part #2-2176051-3
Thick Film Resistor: Current Sense



TE Part #284507-6
6 POS TERMI-BLOK PLUG STAC 3,8



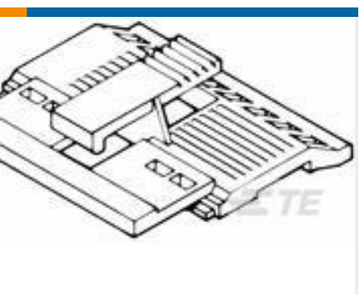
TE Part #103968-7
2X8 MTE RCPT SR RIBBED .100CL



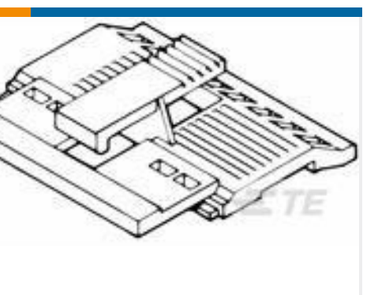
TE Part #1-292227-6
MINI COMMON TERMINATION HEADERS



TE Part #YDTS20W25-04BAV001
D38999: Square Flange, 25-04 insert



TE Part #102681-7
24 AMPMODU MT COVER DR .100CL



TE Part #1-102681-0
30 AMPMODU MT COVER DR .100CL



TE Part #2852883002
44A0111-16-54



TE Part #1625980-6
HSX25 R22 5%

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 Conditions of use.

Datasheets & Catalog Pages

HPI Connectors QRG

English

Product Specifications

Application Specification

English

Agency Approvals

UL

English