178498-1 ✔ ACTIVE

AMP Universal Power

TE Internal #: 178498-1

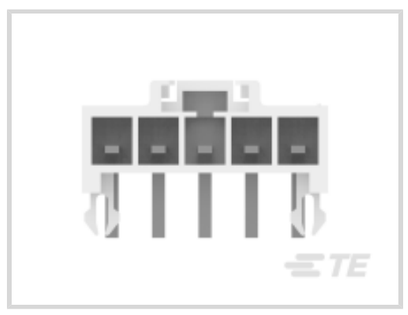
PCB Mount Header, Right Angle, Wire-to-Board, 5 Position, 3.96 mm [.155 in] Centerline, Fully Shrouded, Tin, AMP Universal Power

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







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

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

Number of Positions: **5**

Number of Rows: **1**

Centerline (Pitch): **3.96 mm [.155 in]**

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
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

Number of Power Positions	5
Number of Columns	5
Number of Loaded Positions	5
Connector Contact Load Condition	Fully Loaded
Number of Positions	5
Number of Rows	1
PCB Mount Orientation	Right Angle

Electrical Characteristics

Operating Voltage	50 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Size	1.2mm
PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
Contact Layout	Inline
Mating Tab Width	1.2 mm[.047 in]
Mating Tab Thickness	.64 mm[.025 in]
Contact Underplating Material Thickness	.8 – 1.8 µm[31.49 – 70.86 µin]
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
PCB Contact Termination Area Plating Material Finish	Bright
Contact Shape & Form	Rectangular
Contact Mating Area Plating Material Finish	Bright
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	9 A

Termination Features

Rectangular Termination Post & Tail Thickness	.64 mm[.025 in]
Rectangular Termination Post & Tail Width	1.1 mm[.043 in]
Termination Post & Tail Length	3.8 mm[.15 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention	With
Panel Mount Feature	Without
PCB Mount Retention Type	Boardlock
Mating Retention Type	Locking Latch
Connector Mounting Type	Board Mount

Mating Alignment	Without
PCB Mount Alignment	Without
PCB Mount Retention	With

Housing Features

Mating Entry Location	Side
Housing Material	Nylon 6/6 GF
Centerline (Pitch)	3.96 mm[.155 in]

Dimensions

Connector Length	20.94 mm[.824 in]
Connector Height	9.55 mm[.376 in]
Connector Width	14 mm[.551 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

Operation/Application

Circuit Application	Power

Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	100
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: JUNE 2024 (241)

	Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°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

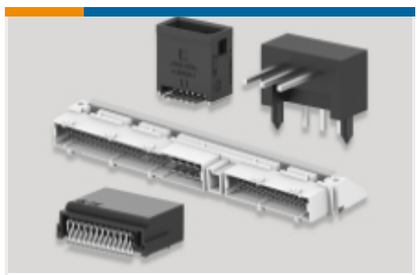
TE Part # 178482-1
UP 3.96 5P PLUG HSG NATRL

TE Part # 178482-4
UP 3.96 5P PLUG HSG YELLOW

Also in the Series | AMP Universal Power

Connector Contacts(22)

Insertion & Extraction Tools(1)

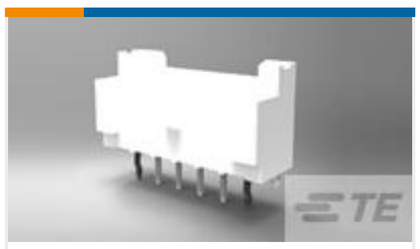


PCB Headers & Receptacles(51)

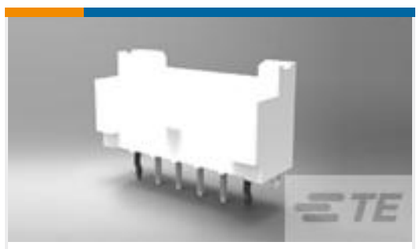
Rectangular Power Connectors(112)

Customers Also Bought

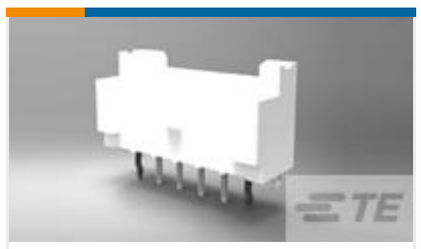
TE Part #1-640456-2
12P MTA100 HDR ASSY F/L SQ STR



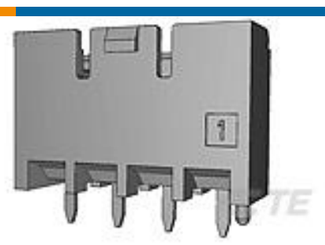
TE Part #2132415-5
EP2.5 Shrouded HDR ASSY 5P VERT w /o boss



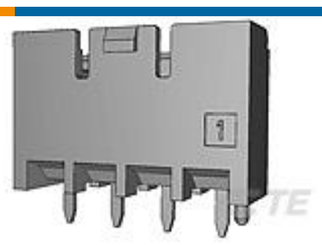
TE Part #2132415-3
EP2.5 Shrouded HDR ASSY 3P VERT w /o boss



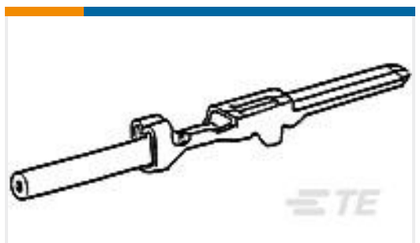
TE Part #2132415-6
EP2.5 Shrouded HDR ASSY 6P VERT w /o boss



TE Part #1376382-1
5mm B-T-W Conn. 2P HDR ASSEMBL



TE Part #1376383-1
5mm B-T-W Conn. 3P HDR ASSEMBL



TE Part #175208-1
070 TAB CONTACT 16-20

TE Part #2132415-4
EP2.5 Shrouded HDR ASSY 4P VERT w /o boss

TE Part #2132415-7
EP2.5 Shrouded HDR ASSY 7P VERT w /o boss

TE Part #2-1969582-0
ASSY, HDR, VERT, NO-BOSS, DUAL ROW,EP2.5

Documents

Product Drawings

UP 3.96 5P TAB HDR NAT TYPE 1

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_178498-1_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_178498-1_E.3d_igs.zip

English

Customer View Model

ENG_CVM_178498-1_E.3d_stp.zip

English

Product Specifications

Application Specification

English

Instruction Sheets

AMP UNIVERSAL POWER CONNECTOR SERIES

English

Instruction Sheet (non U.S.)

English

Agency Approvals

UL Report

English