



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **2**

Number of Rows: **1**

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Number of Columns	2
Number of Loaded Positions	2
Number of Power Positions	2
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	2



Number of Rows	1
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Electrical Characteristics

Operating Voltage	50 VAC
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Body Features

Primary Product Color	Black
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Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.8 – 1.8 µm[31.49 – 70.86 µin]
PCB Contact Termination Area Plating Material Finish	Bright
Contact Size	1.2mm
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
Mating Tab Width	1.2 mm[.047 in]
PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
Contact Shape & Form	Rectangular
Contact Layout	Inline
Contact Base Material	Brass
Mating Tab Thickness	.64 mm[.025 in]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Tab
Contact Current Rating (Max)	12 A
Termination Features	
Rectangular Termination Post & Tail Width	1.1 mm[.043 in]
Rectangular Termination Post & Tail Thickness	.64 mm[.025 in]
Termination Post & Tail Length	3.8 mm[.15 in]
Termination Method to PCB	Through Hole - Solder
Mechanical Attachment	
Panel Mount Feature	Without
Mating Retention Type	Locking Latch
Mating Retention	With
PCB Mount Retention Type	Kinked



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

Housing Features

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

Dimensions

Connector Width	9.9 mm[.39 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	14 mm[.551 in]
Connector Length	9.06 mm[.357 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power
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Industry Standards

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

Packaging Features

Packaging Quantity	400
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: JAN 2025 (247)



Candidate List Declared Against: JAN 2025
(247)
Does not contain REACH SVHC

Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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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



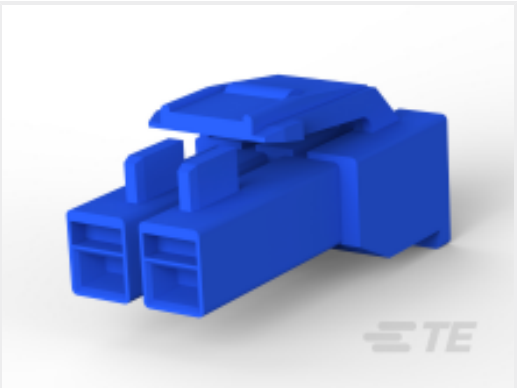
TE Part # 176271-4
AMP UNIVERSAL POWER PLUG 2P



TE Part # 176271-1
AMP UNIVERSAL POWER PLUG 2P



TE Part # 176271-2
AMP UNIVERSAL POWER PLUG 2P



TE Part # 176271-6
AMP UNIVERSAL POWER PLUG 2P

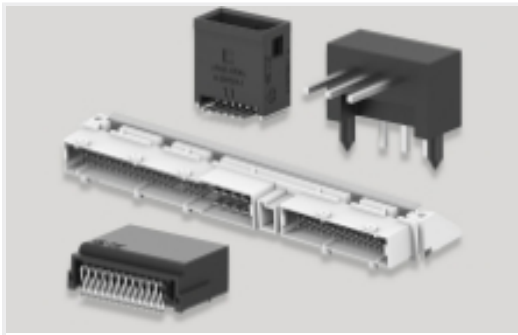


TE Part # 176271-9
AMP UNIVERSAL POWER PLUG 2P

Also in the Series | AMP Universal Power



Connector Contacts(22)



PCB Headers & Receptacles(51)



Power Contacts(21)



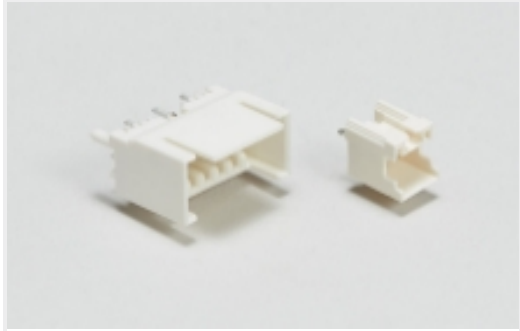
Rectangular Connector Housings(112)



Rectangular Power Connectors(163)

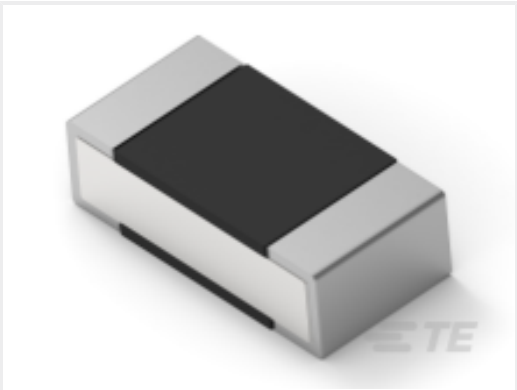


Standard Rectangular Connectors(112)



Wire-to-Board Headers & Receptacles (51)

Customers Also Bought



TE Part #1-2176313-6
RP 1E 0.1W 191K 0.1% 25PPM 1K RL



TE Part #1879339-5
CPF 0603 316K 1% 50PPM 1K RL



TE Part #2-1879207-1
RN 0603 324K 0.1% 10PPM 5K RL



TE Part #4-1879224-3
CPF 0603 8K45 0.1% 25PPM 1K RL



TE Part #3-2176307-0
RP 1E 0.1W 24K9 0.1% 25PPM 5K RL



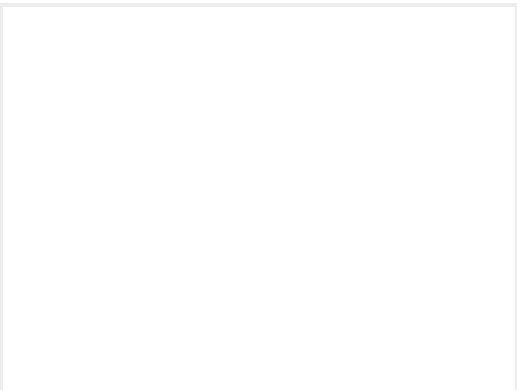
TE Part #1-2176177-8
CRGH0603 1% 3K9 0.2W



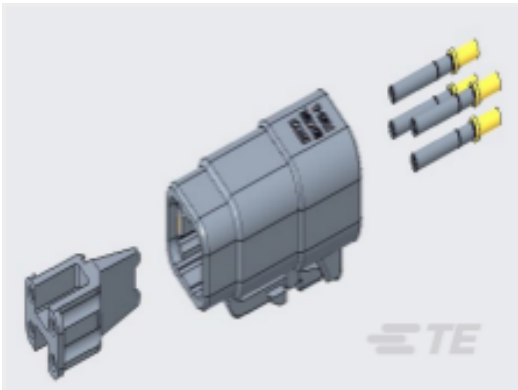
TE Part #6-1879134-5
RN 0603 46K4 0.1% 10PPM 1K RL



TE Part #7-1879134-3
RN 0603 56K2 0.1% 10PPM 1K RL



TE Part #1-1617030-4
HFW1201D24 = HFW 1/2 SIZE RELA



TE Part #DTM06-4S-COMPLETE
DTM06-4S W/ WEDGELOCK AND TERMINALS

Documents



Product Drawings

UNIV POWER HDR ASSY 2P BLACK

Japanese

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-176975-9_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-176975-9_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-176975-9_F.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Crimping of Universal Power Contact

English

Product Specification

Japanese

AMP Universal Power Connector

Japanese

Instruction Sheets

AMP UNIVERSAL POWER CONNECTOR SERIES

English

Instruction Sheet (non U.S.)

English

Agency Approvals

UL Report

English