3-176976-4 ✔ ACTIVE

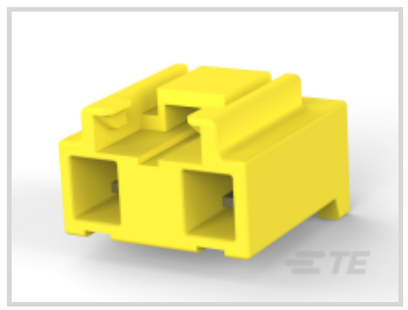
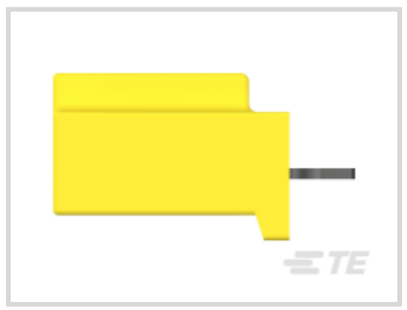
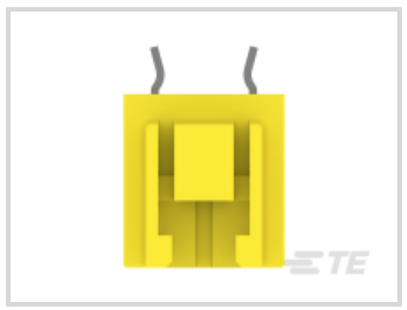
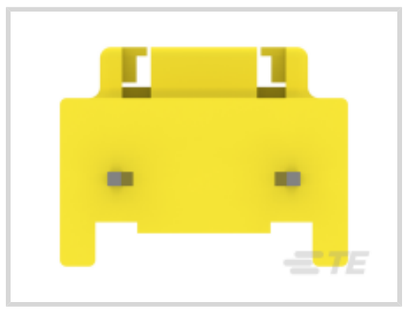
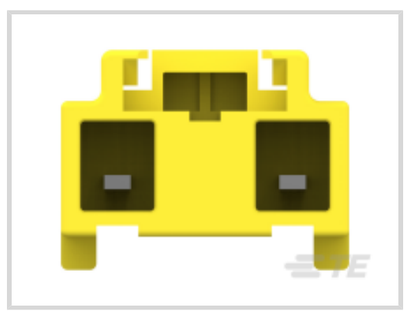
AMP Universal Power

TE Internal #: 3-176976-4

AMP Universal Power, Rectangular Power Connectors, Header, Plug, Wire-to-Board, 3 Position, 7.92mm [.311in] Centerline, Printed Circuit Board

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors

Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **3**

Centerline (Pitch): **7.92 mm [.311 in]**

Features

Product Type Features

Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	3
PCB Mount Orientation	Vertical
Number of Power Positions	3
Number of Signal Positions	0
Number of Rows	1

Electrical Characteristics

Operating Voltage	300 VAC

Contact Features

Contact Current Rating (Max)	11 A
Contact Retention Within Housing	Without
Contact Type	Tab
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]

Termination Features

Termination Method to Wire & Cable	Solder
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	7.92 mm[.311 in]
Housing Color	Yellow
Housing Material	Nylon 6/6 GF

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

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

Packaging Features

Packaging Method	Bag/Box
Packaging Quantity	400

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	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

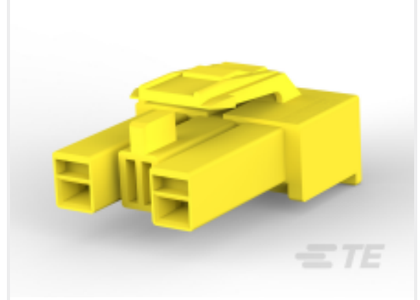
Compatible Parts



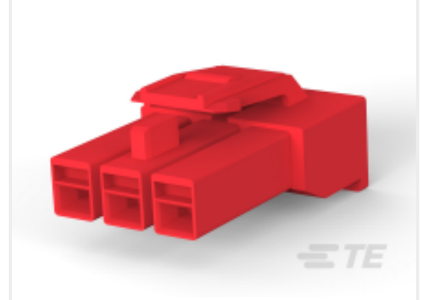
TE Part # 178125-1
U/POWER PLUG HSG 2P 7.92M/M



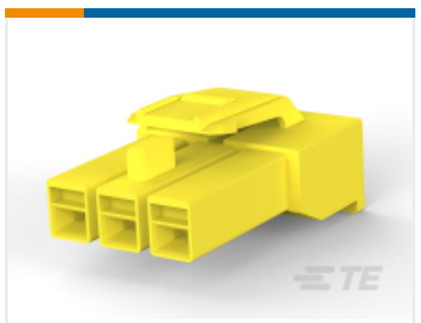
TE Part # 176272-1
AMP UNIVERSAL POWER PLUG 3P



TE Part # 178125-4
U/POWER PLUG HSG 2P 7.29MM



TE Part # 176272-2
AMP UNIVERSAL POWER PLUG 3P



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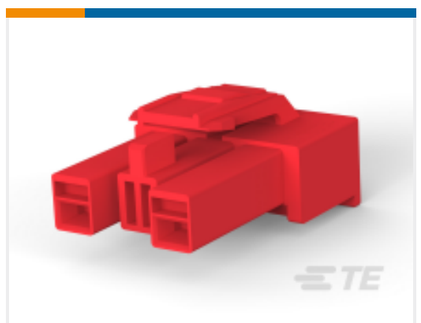


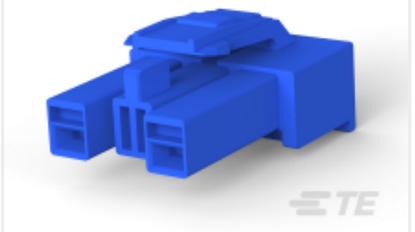
TE Part # 178125-2
UNIVERSAL POWER PLUG HSG 2P



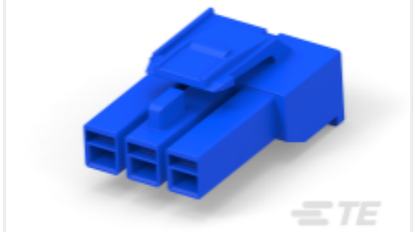
TE Part # CAT-P87024-P729
STD Temp Power Double Lock Plug



TE Part # 176272-9
AMP UNIVERSAL POWER PLUG 3P



TE Part # 178125-6
U/POWER PLUG HSG 2P 7.29



TE Part # 176272-6
AMP UNIVERSAL POWER PLUG 3P



TE Part # 178125-9
UNIVERSAL POWER PLUG HSG 2P

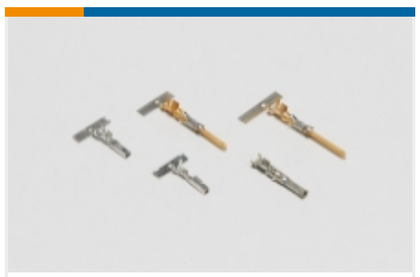
Also in the Series | AMP Universal Power



Connector Contacts(1)



Insertion & Extraction Tools(1)



Power Contacts(21)



Rectangular Power Connectors(171)

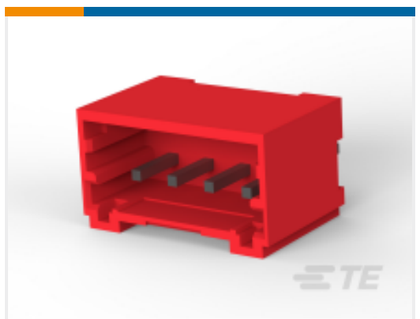
Customers Also Bought



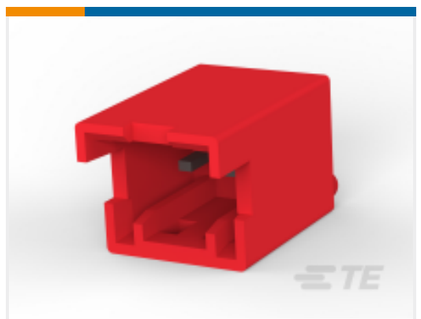
TE Part #1123882-2
MULTILOCK, CONNECTOR HOUSING



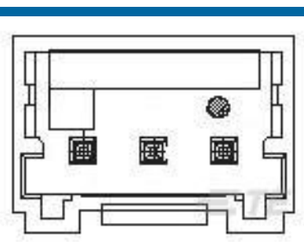
TE Part #1123341-2
TH/.025 CONNECTOR SYSTEM, HOUSING



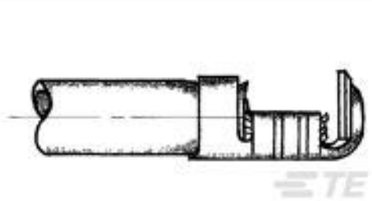
TE Part #1-1971032-4
4POS HEADER ASSEMBLY FOR GIC 2.0 EV



TE Part #1-1871843-2
GIC2.5 HDR ASSY TIN VERSION 2P RED



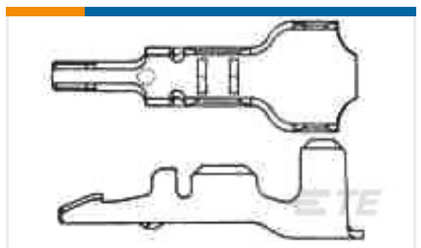
TE Part #1-1971032-3
3POS HEADER ASSEMBLY FOR GIC 2.0 EV



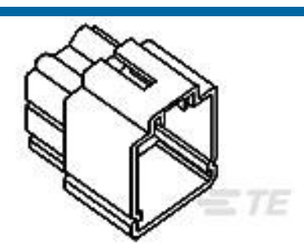
TE Part #170023-1
BUTTON CONTACT



TE Part #170030-5
FF 250 TAB 20-14AWG PTBR



TE Part #170197-2
MINI AMP-IN 24-20 AWG



TE Part #172227-1
FF 250 REC HSG 9P NYLON NAT



TE Part #CP4914-000
ES2000-NO.2-B9-0-60MM-SH

Documents

Product Drawings

UNIV.POWER HDR ASSY 3P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-176976-4_E_c-3-176976-4-e.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-176976-4_E_c-3-176976-4-e.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-176976-4_E_c-3-176976-4-e.3d_stp.zip

English

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

Product Specifications

Power Cord Connector

English

Product Specification

English

Crimping of Universal Power Contact

English

Product Specification

Japanese

AMP Universal Power Connector

Japanese

Product Environmental Compliance

MD_3-176976-4_05112018441_dmtec

English

MD_3-176976-4_05112018441_dmtec

English

Instruction Sheets

AMP UNIVERSAL POWER CONNECTOR SERIES

English

Instruction Sheet (non U.S.)

English

Agency Approvals

UL Report

English