176281-2 ✔ ACTIVE

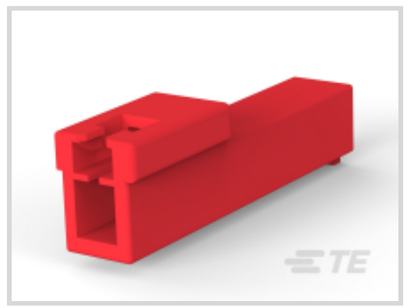
AMP Universal Power

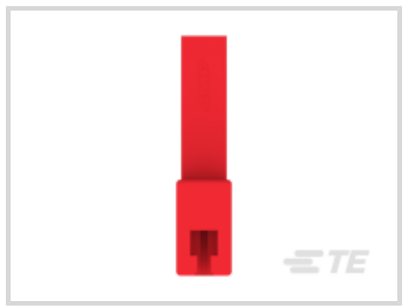
TE Internal #: 176281-2

1 Position, Cap, Housing, Crimp, Wire-to-Wire, UL 94V-0, 1 Row, 300 VAC, Wire & Cable, Power & Signal, Cable Mount (Free-Hanging), AMP Universal Power

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors







Connector Product Type: **Housing**

Connector & Housing Type: **Cap**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Mating Retention: **With**

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Cap
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	1
Number of Rows	1

Electrical Characteristics

Insulation Resistance	1000 MΩ
Operating Voltage	300 VAC

Body Features

Primary Product Color	Red

Contact Features

Contact Base Material	Copper Alloy
Contact Retention Within Housing	Without
Contact Type	Tab
Contact Current Rating (Max)	7 A

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Strain Relief	Without
Panel Mount Feature	Without
Mating Alignment	With
Mating Alignment Type	Polarization
Mating Retention	With
Mating Retention Type	Latch
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	Nylon 6/6

Dimensions

Connector Height	8.4 mm[.33 in]
Connector Length	29 mm[1.14 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Industry Standards

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

Packaging Features

Packaging Quantity	1000
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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Not applicable for solder process capability

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 # 175153-2
U/P TAB CONT L/P



TE Part # 176270-1
UNIV POWER PLUG HSG 1P F/H



TE Part # 175154-1
UNIV POWER TAB CONT L/P



TE Part # 175153-1
UNIV POWER TAB CONT L/P



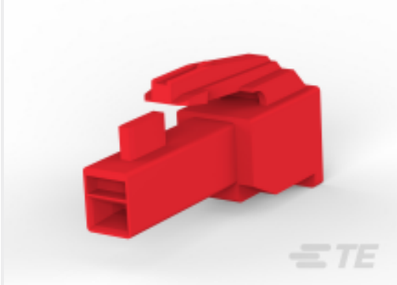
TE Part # 175149-3
AMP UNIVERSAL POWER CONN.TAB C



TE Part # 175149-2
AMP UNIVE. POWER CONN TAB CONT



TE Part # 175154-2
U/P TAB CONT L/P



TE Part # 176270-2
UNIV POWER PLUG HSG 1P F/H



TE Part # 175149-1
UNIVERSAL POWER CONN TAB



TE Part # 176270-4
UNIV POWER PLUG HSG 1P F/H



TE Part # 175150-1
UNIVERSAL POWER CONN TAB



TE Part # 175150-2
AMP UNIVE. POWER CONN TAB CONT

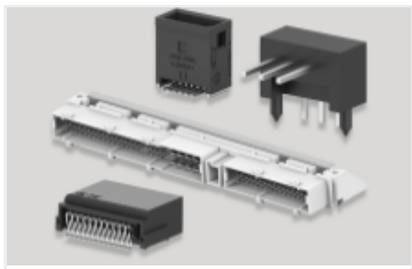
Also in the Series | AMP Universal Power



Connector Contacts(22)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(51)



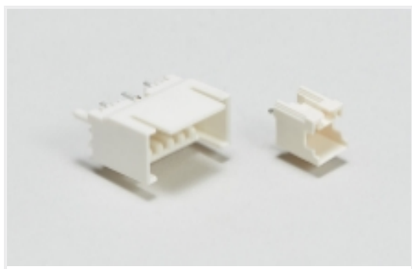
Power Contacts(21)



Rectangular Power Connectors(163)



Wire-to-Board Connector Assemblies & Housings(13)



Wire-to-Board Headers & Receptacles (51)

Customers Also Bought



TE Part #K1155494
Emergency Stop Switch ES-2003-T111



TE Part #33220
TERMINAL,SOLIS R 12-10 3/8



TE Part #34110
SOLIS R 22-16 COMM 22-18 MIL 6



TE Part #34111
SOLIS R 22-16 COMM 22-18 MIL 8



TE Part #34112
SOLIS R 22-16COMM 22-18MIL 10



TE Part #42281-1
FF 250 REC 18-14AWG BR



TE Part #60249-1
FF 250 REC 16-12AWG BR



TE Part #170054-1
FF 250 REC 20-14AWG BR LP



TE Part #1-967067-1
MQS SGL WIRE SEAL



TE Part #967650-4
1,5MM BU-STE KPL 6P

Documents

Product Drawings

UNIV POWER CAP HSG 1P F/H

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_176281-2_J.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_176281-2_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_176281-2_J.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