176278-1 ✔ ACTIVE

AMP Universal Power

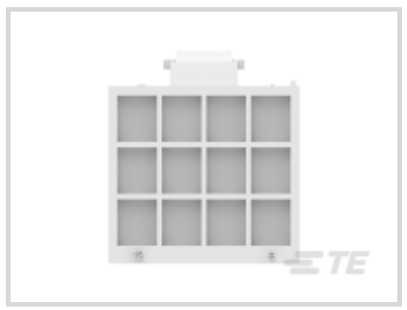
TE Internal #: 176278-1

12 Position, Plug, Housing, Crimp, Wire-to-Wire, UL 94V-0, 3.96 mm [.156 in] Centerline, 3 Row, 300 VAC, Wire & Cable, AMP Universal Power

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors




Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Mating Retention: **With**

Features

Product Type Features

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

Configuration Features

Number of Positions	12
Number of Rows	3

Electrical Characteristics

Insulation Resistance	1000 MΩ
Operating Voltage	300 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Layout	Matrix
Contact Base Material	Copper Alloy
Contact Retention Within Housing	Without
Contact Type	Receptacle
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

Centerline (Pitch)	3.96 mm[.156 in]
Housing Material	Nylon 6/6

Dimensions

Connector Height	16.3 mm[.64 in]
Connector Length	19.3 mm[.76 in]
Row-to-Row Spacing	4.6 mm[.181 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	500

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	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 # 176299-1
UNVI POWER CAP HSG 12P PNL MTG



TE Part # 175155-1
UNIV POWER REC CONT L/P



TE Part # 176289-1
UNIV POWER CAP HSG 12P F/H



TE Part # 175151-1
AMP UNIVERSAL POWER REC CONT.



TE Part # 175151-5
AMP UNIVERSAL POWER CONN.REC C



TE Part # 175151-2
AMP UNIVE. POWER CONN REC CONT



TE Part # 176289-9
UNIV POWER CAP HSG 12P F/H



TE Part # 175151-4
UNIVESAL POWER REC CONT #26-22



TE Part # 175156-1
UNIV POWER REC CONT L/P



TE Part # 175156-2
U/P REC CONT L/P



TE Part # 175152-1
UNIVERSAL POWER REC



TE Part # 175152-2
AMP UNIVE. POWER CONN REC CONT



TE Part # 175155-2
U/P REC CONT L/P



TE Part # 175152-3
UNIV POWER REC CONT

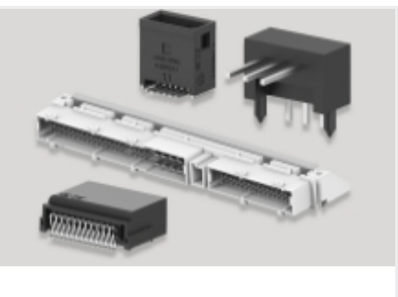


TE Part # 175152-4
UNIVESAL POWER REC CONT #20-16

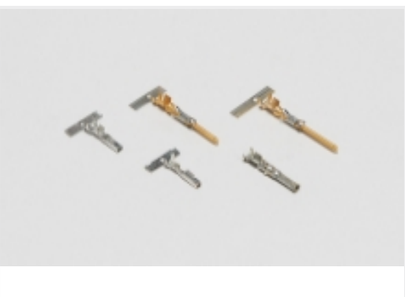
Also in the Series | AMP Universal Power



Connector Contacts(22)



PCB Headers & Receptacles(51)



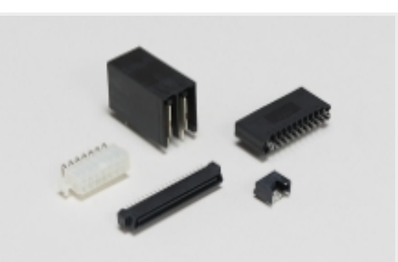
Power Contacts(21)



Rectangular Connector Housings(112)



Rectangular Power Connectors(163)



Standard Rectangular Connectors(112)



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

Customers Also Bought



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



TE Part #176275-1
UNIV POWER PLUG HSG 8P F/H



TE Part #176277-1
UNIV POWER PLUG HSG 10P F/H



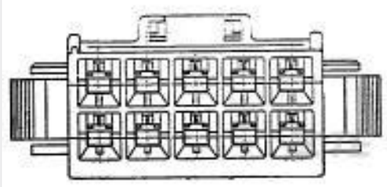
TE Part #176291-1
UNIV POWER CAP HSG 18P F/H



TE Part #176295-1
UNIV POWER CAP HSG 6P P/MOUNT



TE Part #176297-1
UNIV POWER CAP HSG 9P P/MOUNT



TE Part #176298-1
UNVI POWER CAP HSG 10P PAN MTG



TE Part #2-1903130-4
DYNAMIC 1200D TAB HSG 8P F/H BLACK Y



TE Part #CAT-D9934-A75B
Receptacle and Tab Housing: 5.08 mm Pitch, 250-600V

Documents

Product Drawings

UNIV POWER PLUG HSG 12P F/H

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_176278-1_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_176278-1_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_176278-1_G.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_176278-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_176278-1_B.3d_stp.zip

English

Customer View Model

ENG_CVM_176278-1_B.2d_dxf.zip

English

3D PDF

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