176288-1 ✔ ACTIVE

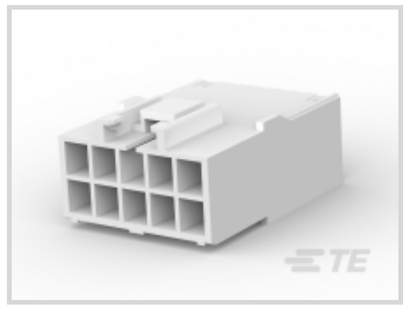
AMP Universal Power

TE Internal #: 176288-1

AMP Universal Power, Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire, 10 Position, 3.96mm [.156in] Centerline, Wire & Cable, UL 94V-0

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors







Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **10**

Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	10
Number of Rows	2

Electrical Characteristics

Operating Voltage	300 VAC
Insulation Resistance	1000 MΩ

Contact Features

Contact Layout	Matrix
Contact Base Material	Copper Alloy

Contact Current Rating (Max)	7 A
Contact Retention Within Housing	Without
Contact Type	Tab

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

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

Housing Features

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

Dimensions

Row-to-Row Spacing	4.6 mm[.181 in]
Height	13 mm[.51 in]
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 Method	Bag

Packaging Quantity	500

Other

For Use With	Plug Housing

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	Low Halogen - Br, Cl, F, I < 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 # 176277-1
UNIV POWER PLUG HSG 10P F/H



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



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



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



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



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



TE Part # 175149-1
UNIVERSAL POWER CONN TAB



TE Part # 175150-1
UNIVERSAL POWER CONN TAB



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



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



TE Part # 176277-2
UNIV POWER PLUG HSG 10P F/H



TE Part # 176277-6
UNIV POWRE PLUG HSG 10P F/H

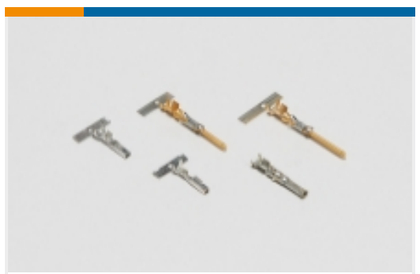
Also in the Series | AMP Universal Power



Connector Contacts(1)



Insertion & Extraction Tools(1)

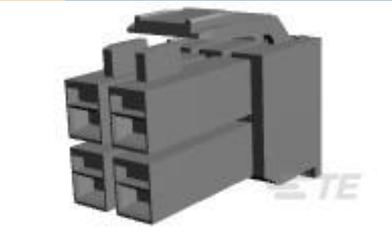


Power Contacts(21)



Rectangular Power Connectors(171)

Customers Also Bought



TE Part #176273-1
AMP UNIVERSAL POWR PLUG 4P



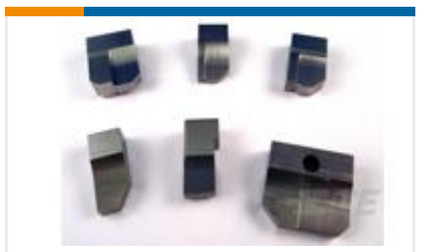
TE Part #176271-1
AMP UNIVERSAL POWER PLUG 2P



TE Part #176274-1
AMP UNIVERSAL POWER PLUG 6P



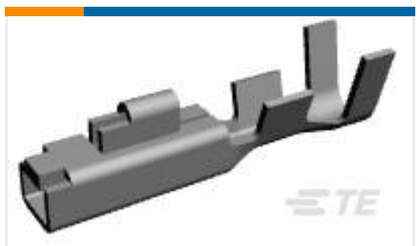
TE Part #1747364-1
DYNAMIC D-3800 TAB HSG 12P WITH HTS CONN



TE Part #908917-1
ANVIL,INSERT



TE Part #1747363-1
DYNAMIC D-3800 REC HSG 12P WITH HTS CONN



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



TE Part #175150-1
UNIVERSAL POWER CONN TAB



TE Part #173636-1
RING TERMINAL 22-16 AWG 0.622X11.3 TPCP



TE Part #1-1633860-9
CRIMPER, WIRE F

Documents

Product Drawings

UNIV POWER CAP HSG 10P F/H

English

CAD Files

3D PDF

3D

3D PDF

English

Customer View Model

ENG_CVM_176288-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_176288-1_A.3d_stp.zip

English

Customer View Model

ENG_CVM_176288-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_176288-1_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_176288-1_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_176288-1_G.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

Product Environmental Compliance

MD_176288-1_011120172214_dmtec

English

MD_176288-1_011120172214_dmtec

English

Instruction Sheets

AMP UNIVERSAL POWER CONNECTOR SERIES

English

Instruction Sheet (non U.S.)

English

Agency Approvals

UL Report

English