175154-2 ✔ ACTIVE

AMP Universal Power

TE Internal #: 175154-2

Tab Contact, Tin, 300 VAC / 50 VAC, 20 – 16 AWG Wire Size, .5 – 1.42 mm² Wire Size, Crimp, Brass, Power, AMP Universal Power

View on TE.com >

Connectors > Contacts > Connector Contacts







Contact Type: **Tab**

Contact Mating Area Plating Material: **Tin**

Wire Contact Termination Area Plating Material: **Pre-Tin**

Operating Voltage: **50 VAC, 300 VAC**

Contact Retention Within Housing: **With**

Features

Electrical Characteristics

Operating Voltage	50 VAC, 300 VAC

Contact Features

Mating Tab Width	1.2 mm[.047 in]
Mating Tab Thickness	.64 mm[.023 in]
Wire Contact Termination Area Plating Thickness	.8 µm[31.49 µin]
Wire Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.8 µm[31.49 µin]
Contact Orientation	Straight
Contact Type	Tab
Contact Mating Area Plating Material	Tin
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Retention Within Housing	With
Contact Base Material	Brass
Contact Current Rating (Max)	12 A

Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable

Mechanical Attachment

Wire Insulation Support	Without

Dimensions

Compatible Insulation Diameter Range	1.7 – 3.3 mm[.067 – .13 in]
Wire Size	.5 – 1.42 mm²

Usage Conditions

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

Operation/Application

Circuit Application	Power

Packaging Features

Packaging Quantity	1000
Packaging Method	Bag & Box

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 # 176301-1
UNVI POWER CAP HSG 18P PNL MTG



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



TE Part # 176299-1
UNVI POWER CAP HSG 12P PNL MTG



TE Part # 176290-1
UNIV POWER CAP HSG 15P F/H



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



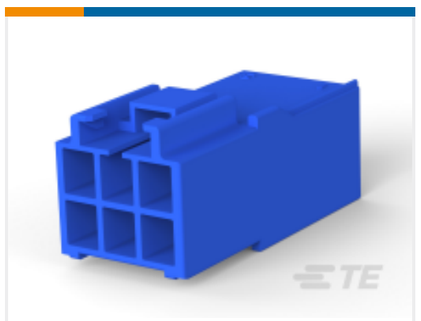
TE Part # 176286-1
UNIV POWER CAP HSG 8P F/H



TE Part # 176284-1
AMP UNIVERSAL POWER CAP 4P



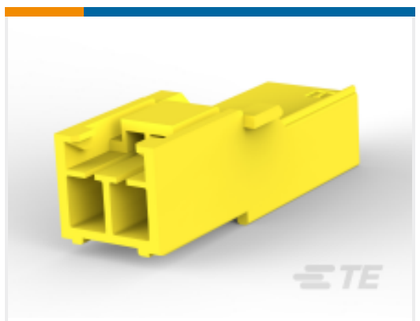
TE Part # 176285-1
AMP UNIVERSAL POWER CAP 6P



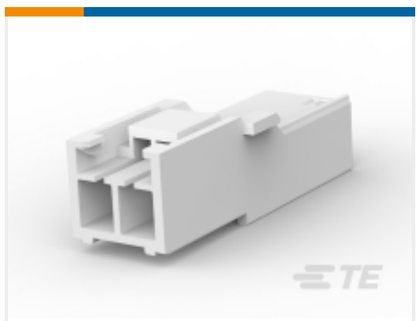
TE Part # 176285-6
AMP UNIVERSAL POWER CAP 6P



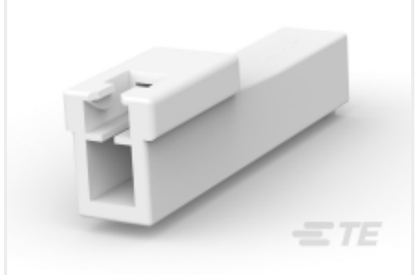
TE Part # 176283-1
AMP UNIVERSA POWR CAP 3P



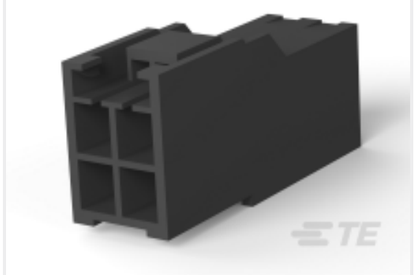
TE Part # 176282-4
AMP UNIVERSAL POWER CAP 2P



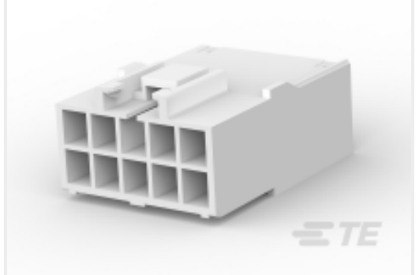
TE Part # 176282-1
AMP UNIVERSAL POWER CAP 2P



TE Part # 176281-1
UNIV POWER CAP HSG 1P F/H



TE Part # 176284-9
AMP UNIVERSAL POWER CAP 4P



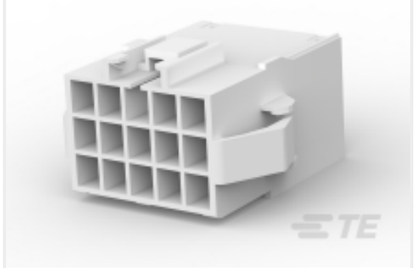
TE Part # 176288-1
UNIV POWER CAP HSG 10P F/H



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



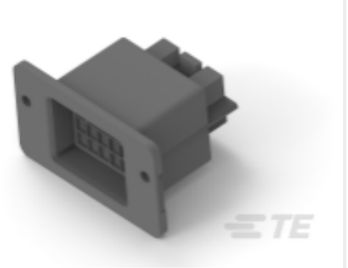
TE Part # 176297-1
UNIV POWER CAP HSG 9P P/MOUNT



TE Part # 176300-1
UNVI POWER CAP HSG 15P PNL MTG



TE Part # 913923-1
EXTRACTON TOOL FOR 175150



TE Part # 176760-1
AMP LATTICE 12P CAP HSG

Also in the Series | AMP Universal Power



Connector Contacts(22)



Insertion & Extraction Tools(1)



Rectangular Power Connectors(163)

Customers Also Bought



TE Part #1-353079-2
DYNAMIC D-5200 HDR H ASSY 2P



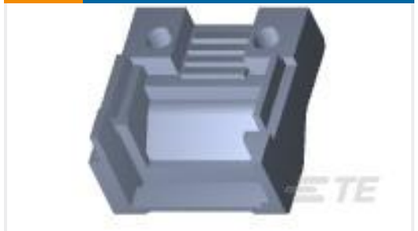
TE Part #1-1827876-0
DYNAMIC 1200D HDR ASSY H 20PX BLACK GOLD



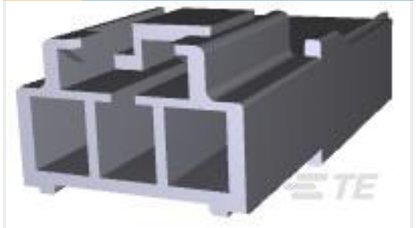
TE Part #1-178288-3
DYNAMIC DD3100 REC HSG 3P (SGL)



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



TE Part #316454-1
M-U-M-N-L PLUG CABLE CLAMP



TE Part #176283-1
AMP UNIVERSA POWR CAP 3P



TE Part #176282-1
AMP UNIVERSAL POWER CAP 2P



TE Part #170092-4
FF 250 REC 18-14AWG TPBR REREELING



TE Part #172205-1
ECONOSEAL-J CONN CAP 4P NTRL



TE Part #172206-1
ECONOSEAL-J CONN RUBBER 4P

Documents

Product Drawings

U/P TAB CONT L/P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_175154-2_L.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_175154-2_L.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_175154-2_L.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

Extraction Tool for UP(913923-1)

English

Instruction Sheet (non U.S.)

English

Hand Tool, PN 914181-1, Universal Power Contact (Was IS-505J)

Japanese

Instruction Sheet (non U.S.)

English