175152-1 ✔ ACTIVE

AMP Universal Power

TE Internal #: 175152-1

Tin (Sn), Receptacle Contact, 20 – 16 AWG, 300 VAC / 50 VAC, .5 – 1.42 mm² Wire, Crimp, Copper Alloy, Power, AMP Universal Power

View on TE.com >

Connectors > Contacts > Connector Contacts







Contact Type: **Receptacle**

Contact Mating Area Plating Material: **Tin (Sn)**

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

Contact Type	Receptacle
Contact Mating Area Plating Material	Tin (Sn)
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Retention Within Housing	With
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	12 A
Mating Tab Width	1.2 mm[.047 in]
Mating Tab Thickness	.64 mm[.025 in]
Contact Mating Area Plating Material Thickness	.8 µm[31.49 µin]
Wire Contact Termination Area Plating Thickness	.8 µm[31.49 µin]
Wire Contact Termination Area Plating Material Finish	Matte
Contact Orientation	Straight

Termination Features

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

Mechanical Attachment

Wire Insulation Support	Without

Dimensions

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

Usage Conditions

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

Operation/Application

Circuit Application	Power

Packaging Features

Packaging Quantity	4000
Packaging Method	Reel

Product Compliance

For compliance documentation, visit the product page on TE.com>

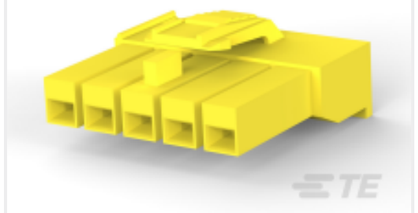
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does 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

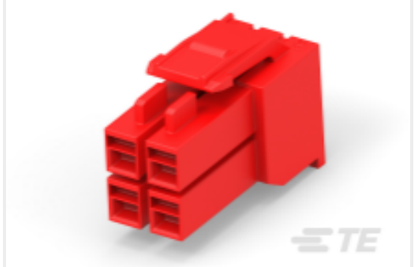
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 178482-4
UP 3.96 5P PLUG HSG YELLOW



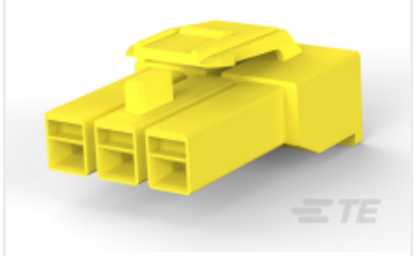
TE Part # 176273-2
AMP UNIVERESAL POWER PLUG 4P



TE Part # 5-2151087-2
OCEAN_2.0_Applicator-S-070F130F-RSA

TE Part # 1-176271-5
AMP UNIVERSAL POWER PLUG 2P GREEN

TE Part # 1213783-1
CCII UNVRLS POWER CON REC 26-16 ASSY



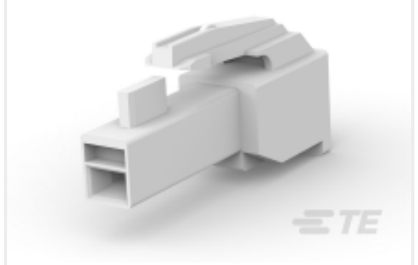
TE Part # 176272-4
AMP UNIVERSAL POWER PLUG 3P



TE Part # 178479-1
AMP UP CAP HSG F/H 5P NATURAL



TE Part # 178480-1
AMP UP CAP HSG F/H 6P NATURAL



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



TE Part # 176278-1
UNIV POWER PLUG HSG 12P F/H



TE Part # 178481-1
UP 3.96 4P PLUG HSG NATRL



TE Part # 2151087-1
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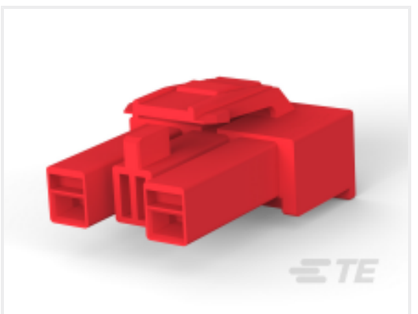
TE Part # 292184-1
HYBRID MINI DRAWER REC ASS'Y 6



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



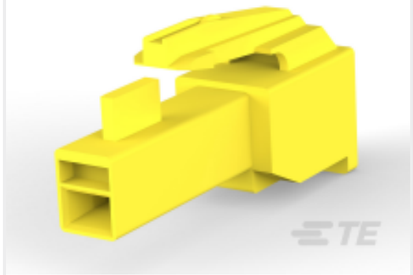
TE Part # 176273-9
AMP UNIVERSAL POWER PLUG 4P



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



TE Part # 9-178842-1
AMP U/P SGL ROW PLUG HSG 9P



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



TE Part # 6-178842-4
AMP PU 2.6PITCH PLUG HSG 6P



TE Part # 176280-9
UNIV POWER PLUG HSG 18P F/H

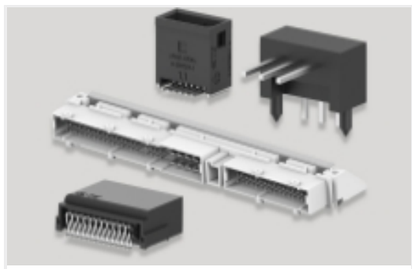
Also in the Series | AMP Universal Power



Connector Contacts(22)



Insertion & Extraction Tools(1)



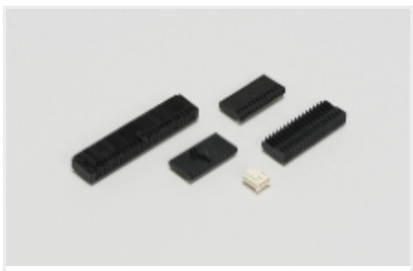
PCB Headers & Receptacles(51)



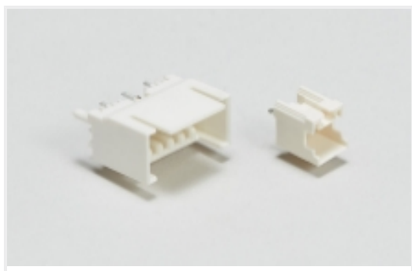
Power Contacts(21)



Rectangular Power Connectors(163)



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

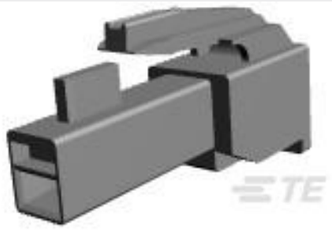


Wire-to-Board Headers & Receptacles (51)

Customers Also Bought



TE Part #175149-1
UNIVERSAL POWER CONN TAB



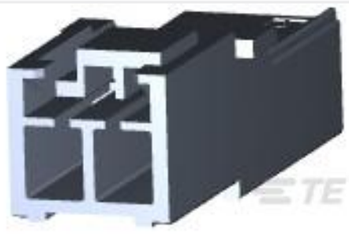
TE Part #176270-1
UNIV POWER PLUG HSG 1P F/H



TE Part #176271-9
AMP UNIVERSAL POWER PLUG 2P



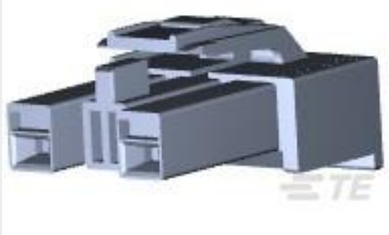
TE Part #176280-1
UNIV POWER PLUG HSG 18P F/H



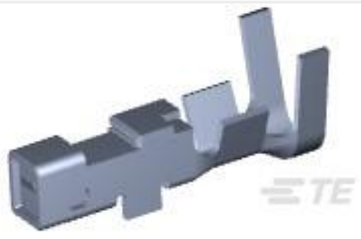
TE Part #176282-4
AMP UNIVERSAL POWER CAP 2P



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



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



TE Part #1747063-1
GRACE INERTIA CONN 2.5 REC CON



TE Part #1747066-5
GRACE INERTIA CONN 2.5 PLUG HSG 5P NATUR



TE Part #1871867-1
GRACE INERTIA 6.2mm PITCH PLUG 3POS

Documents

Product Drawings

UNIVERSAL POWER REC

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_175152-1_E.3d_igs.zip

English

Customer View Model

ENG_CVM_175152-1_E.3d_stp.zip

English

Customer View Model

ENG_CVM_175152-1_E.2d_dxf.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

AMP UNIVERSAL POWER CONNECTOR SERIES

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

Agency Approvals

TUV Certificate

English