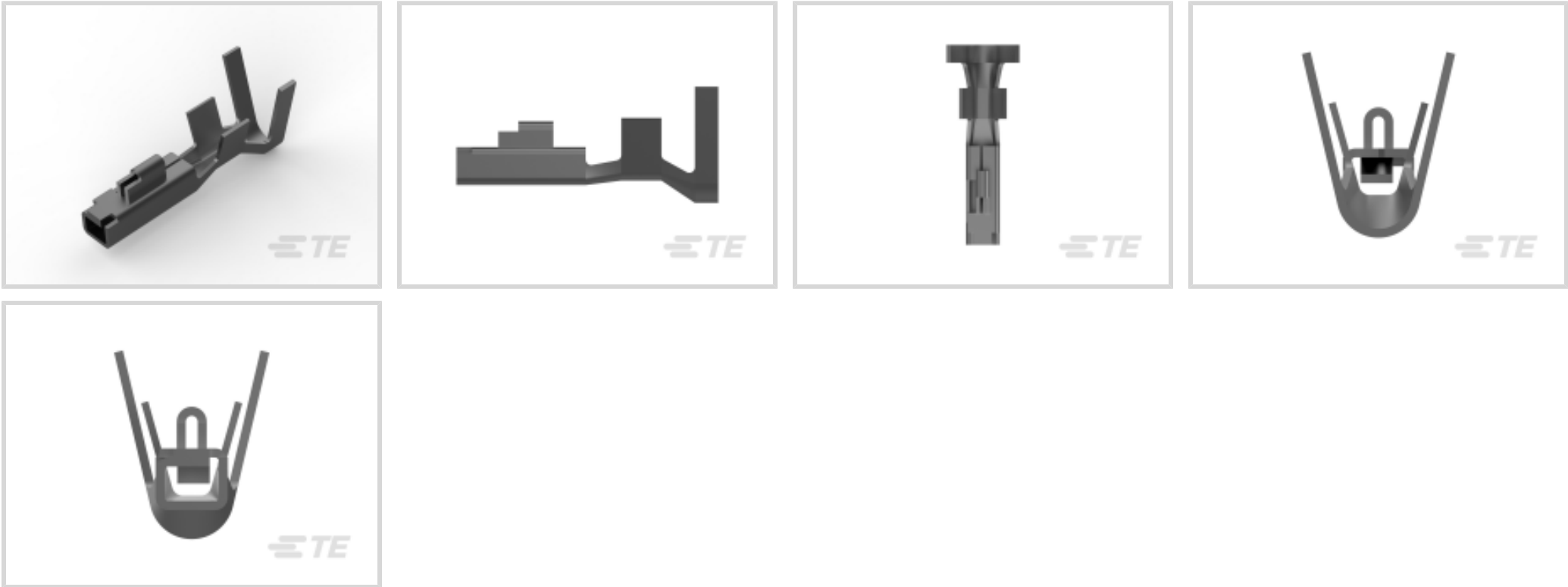




Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

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

Contact Mating Area Plating Material: **Pre-Tin**

Wire Size: **.5 – 1.42 mm²**

Features

Product Type Features

Power Contact Type	Contact
Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

Electrical Characteristics

Operating Voltage	50 VAC, 300 VAC
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Contact Features

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



Wire Contact Termination Area Plating Material	Pre-Tin
Wire Contact Termination Area Plating Material Finish	Matte
Contact Orientation	Straight

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
Wire Insulation Support	Without

Dimensions

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

Usage Conditions

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

Circuit Application	Power
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Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
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Packaging Features

Packaging Method	Bag/Box
Packaging Quantity	1000

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

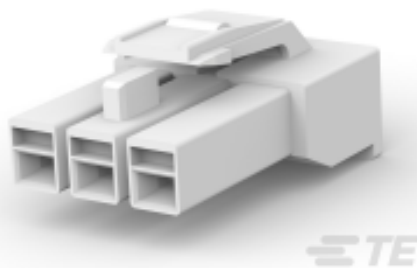
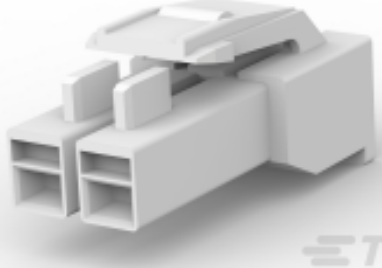
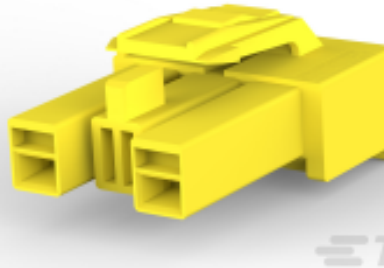
Product Compliance Disclaimer

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 # 176280-1 UNIV POWER PLUG HSG 18P F/H	 TE Part # 176280-9 UNIV POWER PLUG HSG 18P F/H	 TE Part # 176275-1 UNIV POWER PLUG HSG 8P F/H	 TE Part # 176276-1 AMP UNIVERSAL POWER PLUG 9P
 TE Part # 176278-9 UNIV POWER PLUG HSG 12P 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 # 176277-1 UNIV POWER PLUG HSG 10P F/H
 TE Part # 178483-1 UP 3.96 6P PLUG HSG NATRL	 TE Part # 178482-1 UP 3.96 5P PLUG HSG NATRL	 TE Part # 178125-1 U/POWER PLUG HSG 2P 7.92M/M	 TE Part # 176273-1 AMP UNIVERSAL POWR PLUG 4P

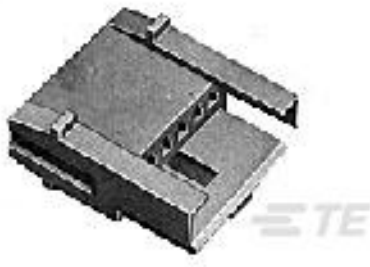


 TE Part # 176272-1 AMP UNIVERSAL POWER PLUG 3P	 TE Part # 176270-1 UNIV POWER PLUG HSG 1P F/H	 TE Part # 176271-1 AMP UNIVERSAL POWER PLUG 2P	 TE Part # 178125-4 U/POWER PLUG HSG 2P 7.29MM
 TE Part # 176279-1 UNIV POWER PLUG HSG 15P F/H	 TE Part # 176279-9 UNIV POWER PLUG HSG 15P F/H	 TE Part # 4-178842-1 AMP U/P SGL ROW PLUG HSG 4P	 TE Part # 6-178842-1 AMP U/P SGL ROW PLUG HSG 6P

Also in the Series | AMP Universal Power

 Connector Contacts(1)	 Insertion & Extraction Tools(1)	 Power Contacts(21)	 Rectangular Power Connectors(171)
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Customers Also Bought

 TE Part #1318112-1 DYNAMIC 2000 CONTACT	 TE Part #172211-6 EIS CAP HSG FREE HANG 6P NATURAL	 TE Part #160860-2 FF 250 REC 0.5-1.0MM2 TPBR	 TE Part #170048-2 110 FASTON, REC., 24-20 AWG, TPBR
 TE Part #1-1747819-3 DYNAMIC 5000 REC AND TAB HSG	 TE Part #1-1747535-3 DYNAMIC 4000 REC AND TAB HSG	 TE Part #172211-5 EIS CAP HSG FREE HANG 5P NATURAL	 TE Part #1102895-1 HEE.32.STI.C.B1-32



Documents

Product Drawings

U/P REC CONT L/P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_175156-2_R.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_175156-2_R.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_175156-2_R.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

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