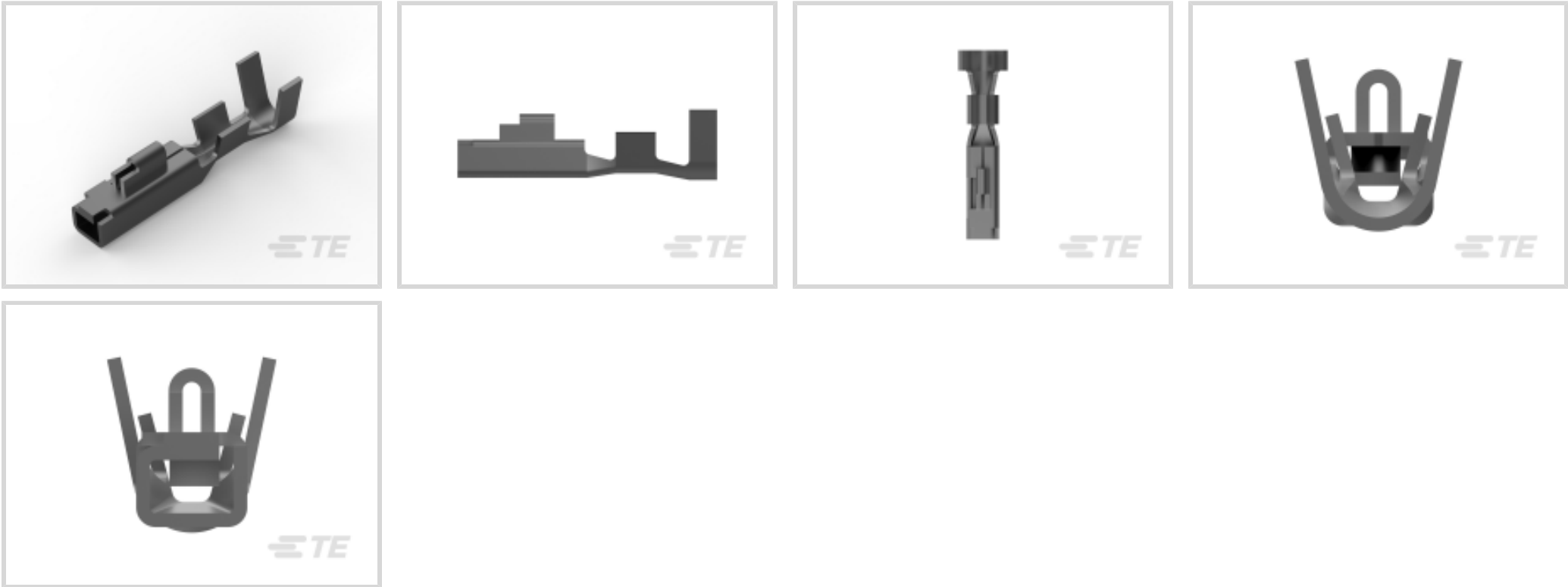




Connectors > Contacts > Connector Contacts



Contact Type: **Receptacle**
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

Product Type Features

Discrete Wire Type	Stranded
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Electrical Characteristics

Operating Voltage	50 VAC, 300 VAC
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Contact Features

Mating Tab Width	1.2 mm[.047 in]
Mating Tab Thickness	.64 mm[.025 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	Receptacle
Contact Mating Area Plating Material	Tin
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Retention Within Housing	With



Contact Base Material	Copper Alloy
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
Contact Retention Type Within Housing	Locking Lance

Dimensions

Compatible Insulation Diameter Range	1.2 – 2 mm[.047 – .079 in]
Wire Size	.12 – .35 mm²

Usage Conditions

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

Circuit Application	Power
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Packaging Features

Packaging Quantity	1000
Packaging Method	Bag & Box

Product Compliance

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

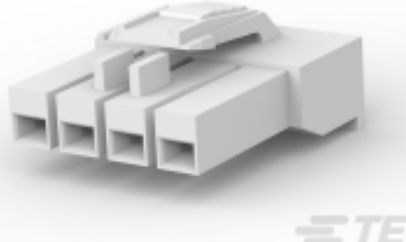
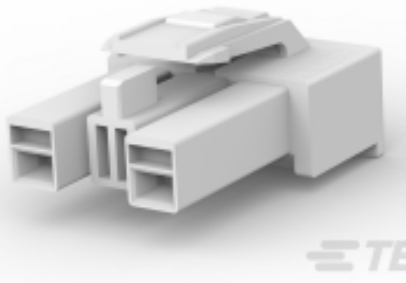
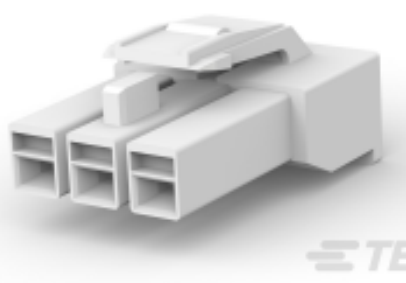
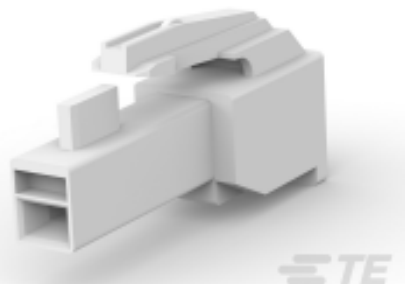
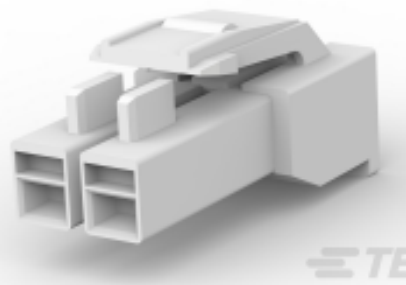
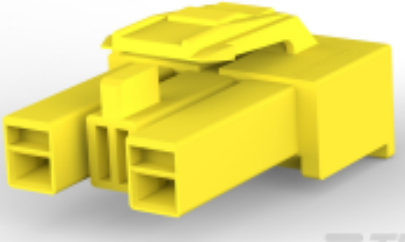
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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 # 178481-1 UP 3.96 4P PLUG HSG NATRL	 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 # 913923-1
EXTRACTON TOOL FOR 175150



TE Part # 6-178842-1
AMP U/P SGL ROW PLUG HSG 6P



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

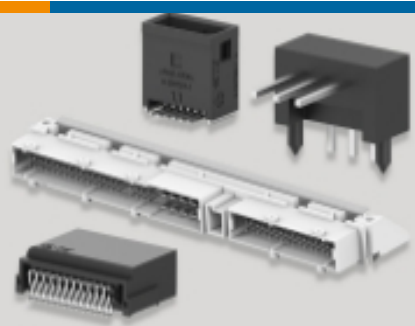
Also in the Series | AMP Universal Power



Connector Contacts(22)



Insertion & Extraction Tools(1)

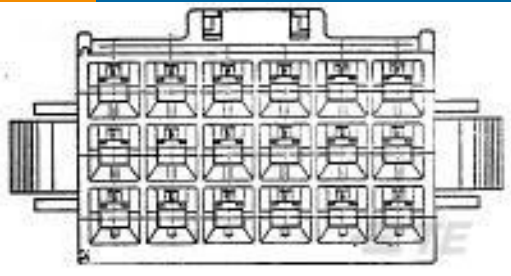


PCB Headers & Receptacles(51)



Rectangular Power Connectors(112)

Customers Also Bought



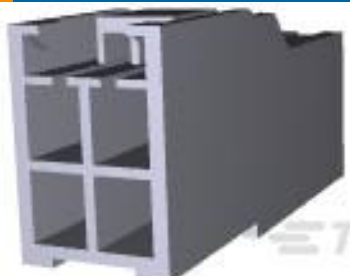
TE Part #176301-1
UNVI POWER CAP HSG 18P PNL MTG



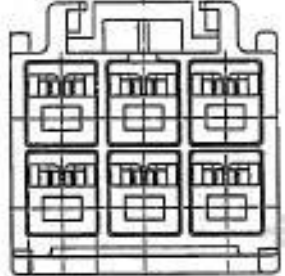
TE Part #176299-1
UNVI POWER CAP HSG 12P PNL MTG



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



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



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



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



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



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

Documents

Product Drawings
UNIV POWER REC CONT L/P

English

CAD Files
3D PDF
3D



Customer View Model

[ENG_CVM_CVM_175155-1_T.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_175155-1_T.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_175155-1_T.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

[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