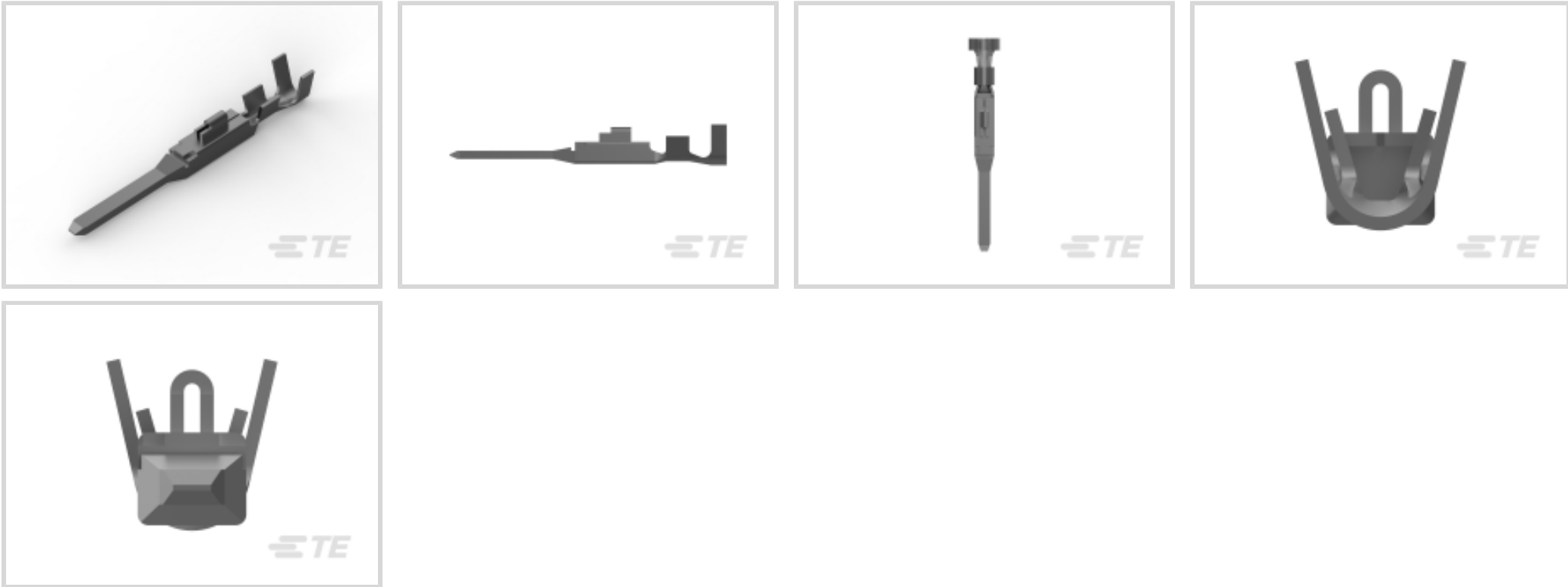




Connectors > Contacts > Connector Contacts



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

Mechanical Attachment

Wire Insulation Support	Without
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Packaging Features

Packaging Method	Reel
Packaging Quantity	5000

Dimensions

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

Contact Features

Contact Orientation	Straight
Mating Tab Thickness	.64 mm[.025 in]
Wire Contact Termination Area Plating Thickness	.8 µm[31.49 µin]
Contact Mating Area Plating Material Thickness	.8 µm[31.49 µin]
Wire Contact Termination Area Plating Material Finish	Matte
Mating Tab Width	1.2 mm[.047 in]



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	Copper Alloy
Contact Current Rating (Max)	12 A

Electrical Characteristics

Operating Voltage	50 VAC, 300 VAC
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Termination Features

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

Usage Conditions

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

Circuit Application	Power
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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

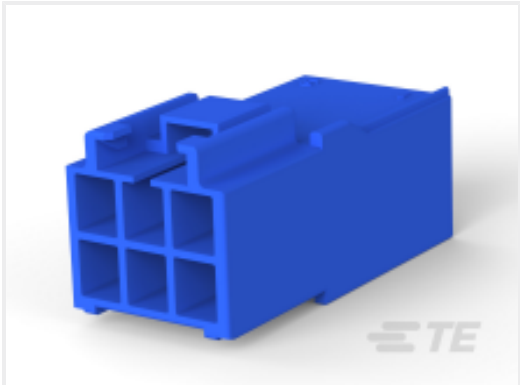
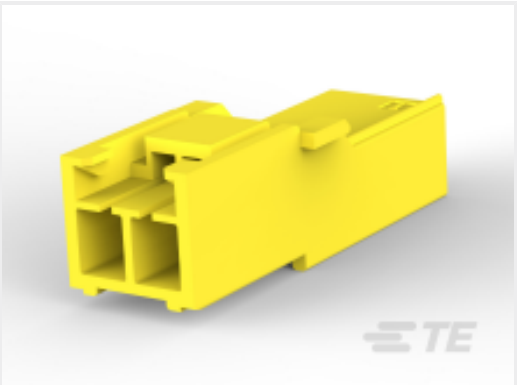
Product Compliance Disclaimer

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 # 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 # 292180-1 CAP ASS'Y W/O COMMONING TAB FO	 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 # 1-176282-1 AMP UNIVERSAL POWER CAP 2P	 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

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

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

TE Part #176275-1
UNIV POWER PLUG HSG 8P F/H

TE Part #175155-1
UNIV POWER REC CONT L/P

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

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

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

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



Documents

Product Drawings

UNIVERSAL POWER CONN TAB

English

CAD Files

Customer View Model

ENG_CVM_CVM_175149-1_P.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_175149-1_P.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_175149-1_P.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Application Specification

English

APPLICATION SPECIFICATION AMP UNIVERSAL POWER CONTACT, CRIMPING OF

English

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