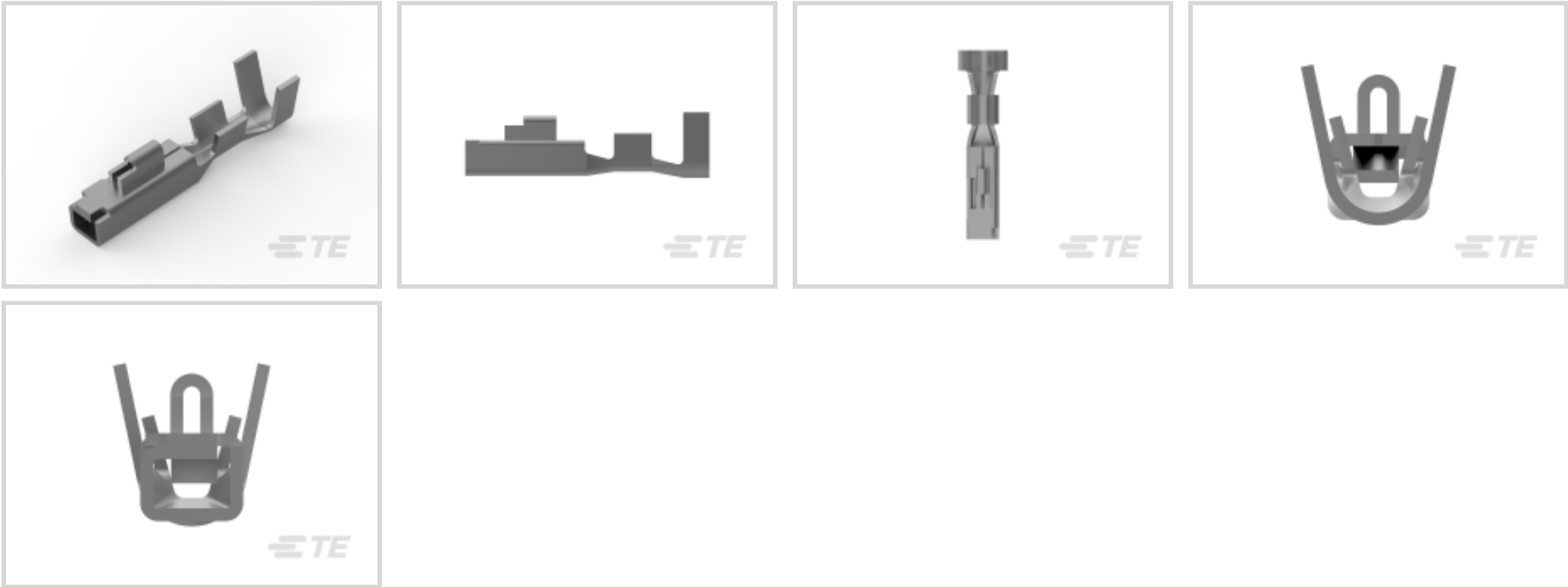




Connectors > Contacts > Connector Contacts



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
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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	Brass
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	With
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Dimensions

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

Packaging Quantity	5000
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 # 178483-4 UP 3.96 6P PLUG HSG YELLOW	 TE Part # 176276-2 AMP UNIVERSAL POWER PLUG 9P	 TE Part # 176275-4 UNIV POWER PLUG HSG 8P F/H	 TE Part # 3-178842-1 AMP U/P SGL ROW PLUG HSG 3P
 TE Part # 176272-6 AMP UNIVERSAL POWER PLUG 3P	 TE Part # 3-178842-4 AMP U/P SGL ROW PLUG HSG 3P	 TE Part # 5-2151120-2 OCEAN_2.0_Applicator-S-055F090F-RSA	 TE Part # 176278-9 UNIV POWER PLUG HSG 12P F/H
 TE Part # 176274-2 AMP UNIVERSAL POWER PLUG 6P	 TE Part # 176272-1 AMP UNIVERSAL POWER PLUG 3P	 TE Part # 176275-1 UNIV POWER PLUG HSG 8P F/H	 TE Part # 176279-9 UNIV POWER PLUG HSG 15P F/H
 TE Part # 176280-1 UNIV POWER PLUG HSG 18P F/H	 TE Part # 176274-4 AMP UNIVERSAL POWER PLUG 6P	 TE Part # 176272-2 AMP UNIVERSAL POWER PLUG 3P	 TE Part # 2151120-2 OCEAN_2.0_Applicator-S-055F090F-RSA



TE Part # 913923-1
EXTRACTON TOOL FOR 175150



TE Part # 176274-9
AMP UNIVERSAL POWER PLUG 6P



TE Part # 178482-1
UP 3.96 5P PLUG HSG NATRL

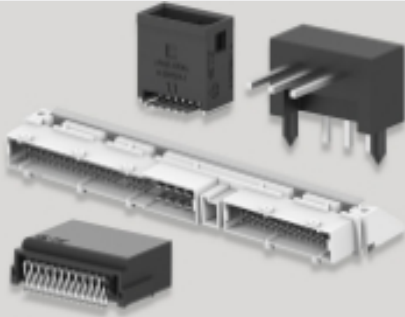


TE Part # 6-178842-1
AMP U/P SGL ROW PLUG HSG 6P

Also in the Series | AMP Universal Power



Connector Contacts(22)



PCB Headers & Receptacles(51)



Power Contacts(21)



Rectangular Connector Housings(112)



Rectangular Power Connectors(163)



Standard Rectangular Connectors(112)



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

Customers Also Bought



TE Part #42742-2
250 FASTON FLAG REC 18-12 AWG TPBR



TE Part #60851-1
250 FASTON REC 12-10 AWG TPBR



TE Part #63698-1
RING, M4, DIA 4.39, 16-12, TPBR



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



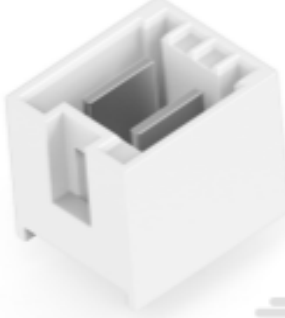
TE Part #176284-9
AMP UNIVERSAL POWER CAP 4P



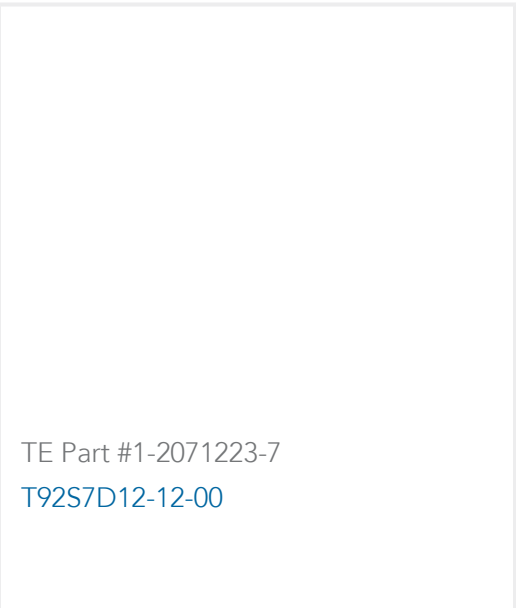
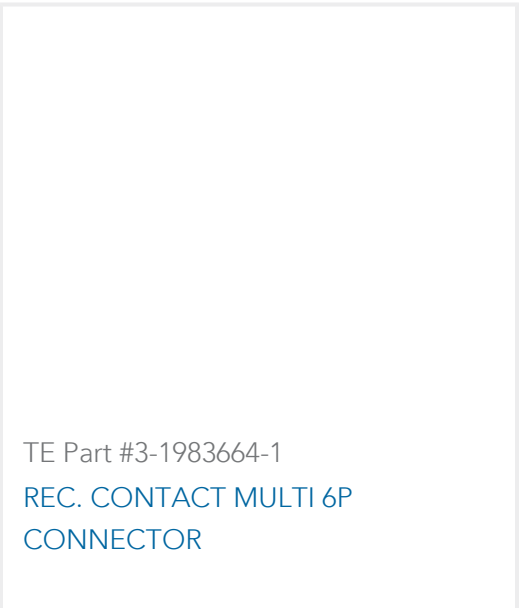
TE Part #176286-1
UNIV POWER CAP HSG 8P F/H



TE Part #917686-1
2.5 SIGNAL D/LOCK PLUG HSG 2P



TE Part #1-2232532-2
2P, PL RAST 5 Tab Header, TH, Vertical



Documents

Product Drawings

AMP UNIVE. POWER CONN REC CONT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_175151-2_T.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_175151-2_T.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_175151-2_T.3d_stp.zip

English

3D PDF

English

Customer View Model

ENG_CVM_175151-2_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_175151-2_E.3d_igs.zip

English

Customer View Model

ENG_CVM_175151-2_E.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