

175156-1 ✓ ACTIVE

AMP Universal Power

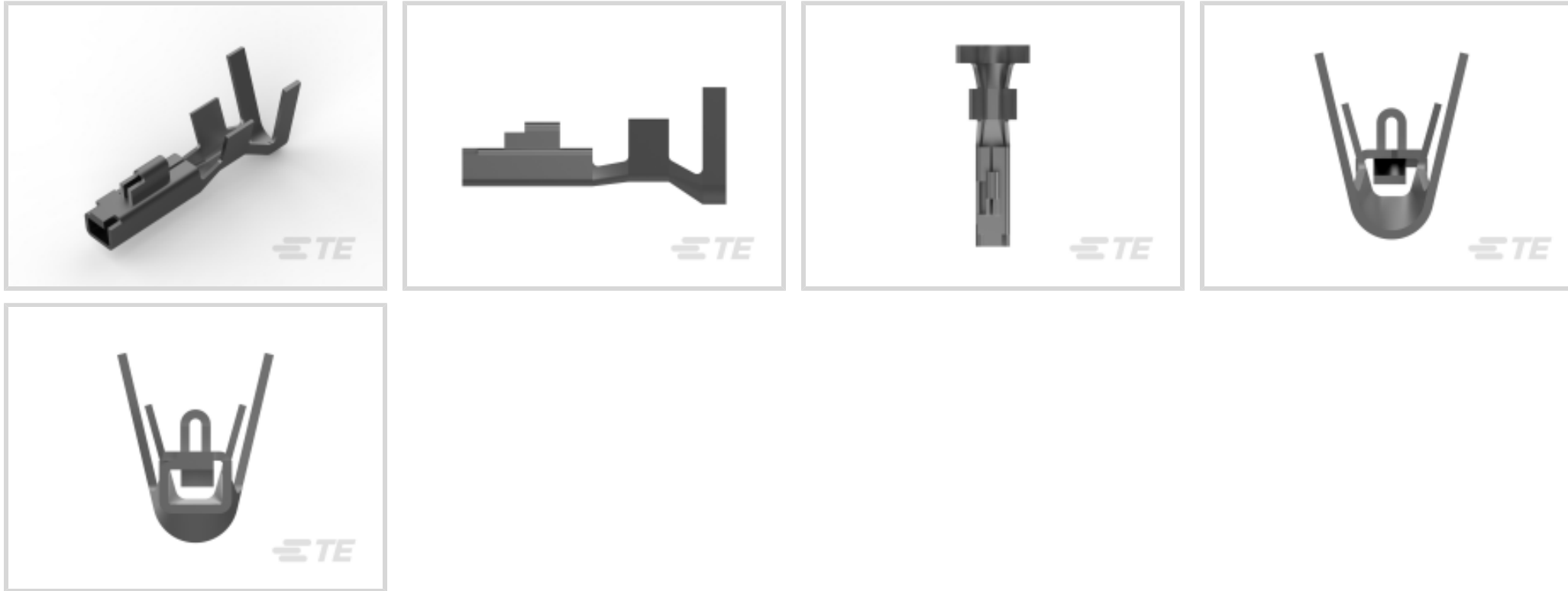
TE Internal #: 175156-1

Receptacle Contact, Tin, 50 VAC / 300 VAC, Locking Lance Contact Retention, 20 – 16 AWG Wire Size, .5 – 1.42 mm² Wire Size, Crimp, AMP Universal Power

[View on TE.com >](#)



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	1.7 – 3.3 mm [.067 – .13 in]
Wire Size	.5 – 1.42 mm ²

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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



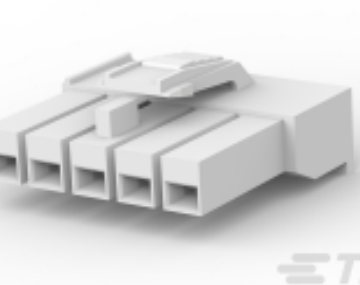
TE Part # 176278-9
UNIV POWER PLUG HSG 12P F/H




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



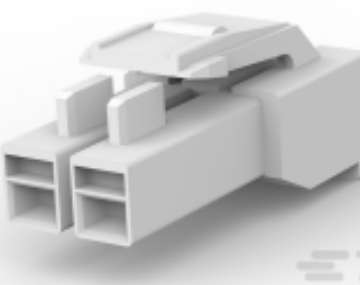
TE Part # 176273-1
AMP UNIVERSAL POWR PLUG 4P



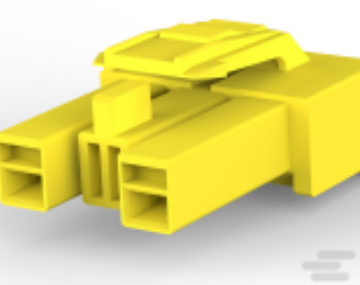
TE Part # 176272-1
AMP UNIVERSAL POWER PLUG 3P



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



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



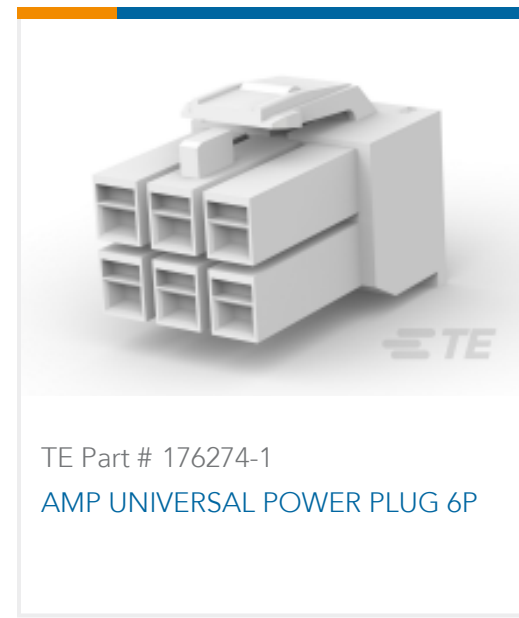
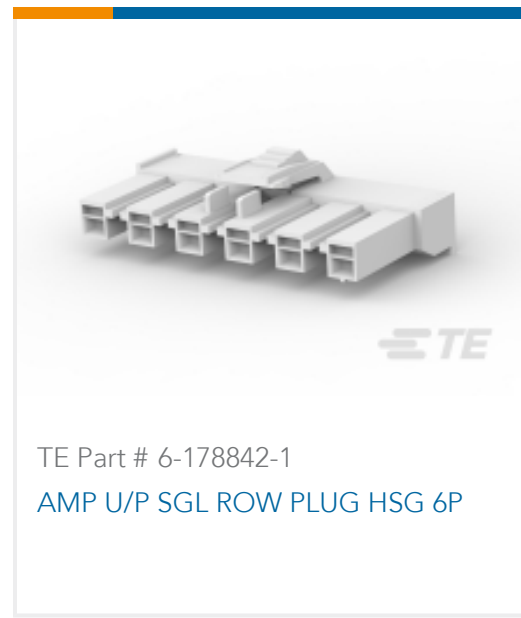
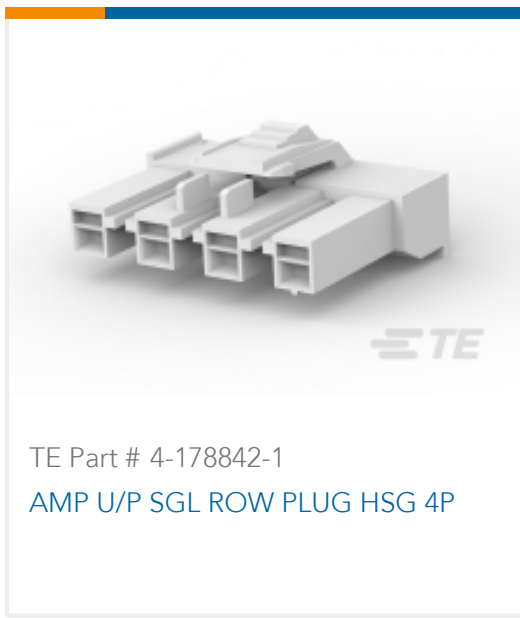
TE Part # 178125-4
U/POWER PLUG HSG 2P 7.29MM



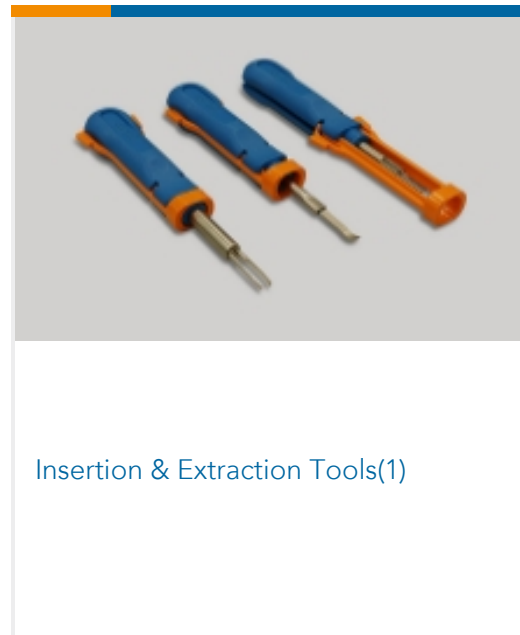
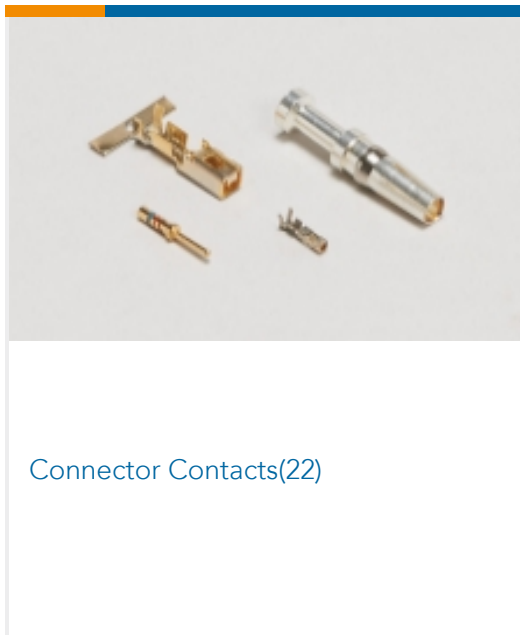
TE Part # 176279-1
UNIV POWER PLUG HSG 15P F/H



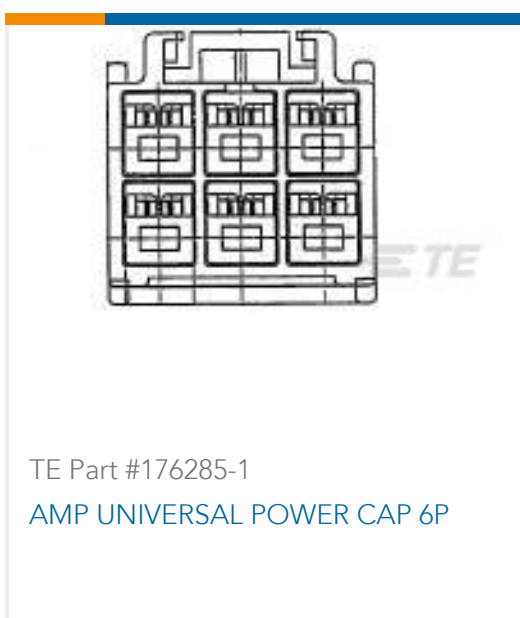
TE Part # 176279-9
UNIV POWER PLUG HSG 15P F/H



Also in the Series | AMP Universal Power



Customers Also Bought



Documents

Product Drawings

[UNIV POWER REC CONT L/P](#)

English

CAD Files

[3D PDF](#)

[3D](#)



Customer View Model

[ENG_CVM_CVM_175156-1_R.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_175156-1_R.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_175156-1_R.3d_stp.zip](#)

English

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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