

175156-2 ✓ ACTIVE

AMP Universal Power

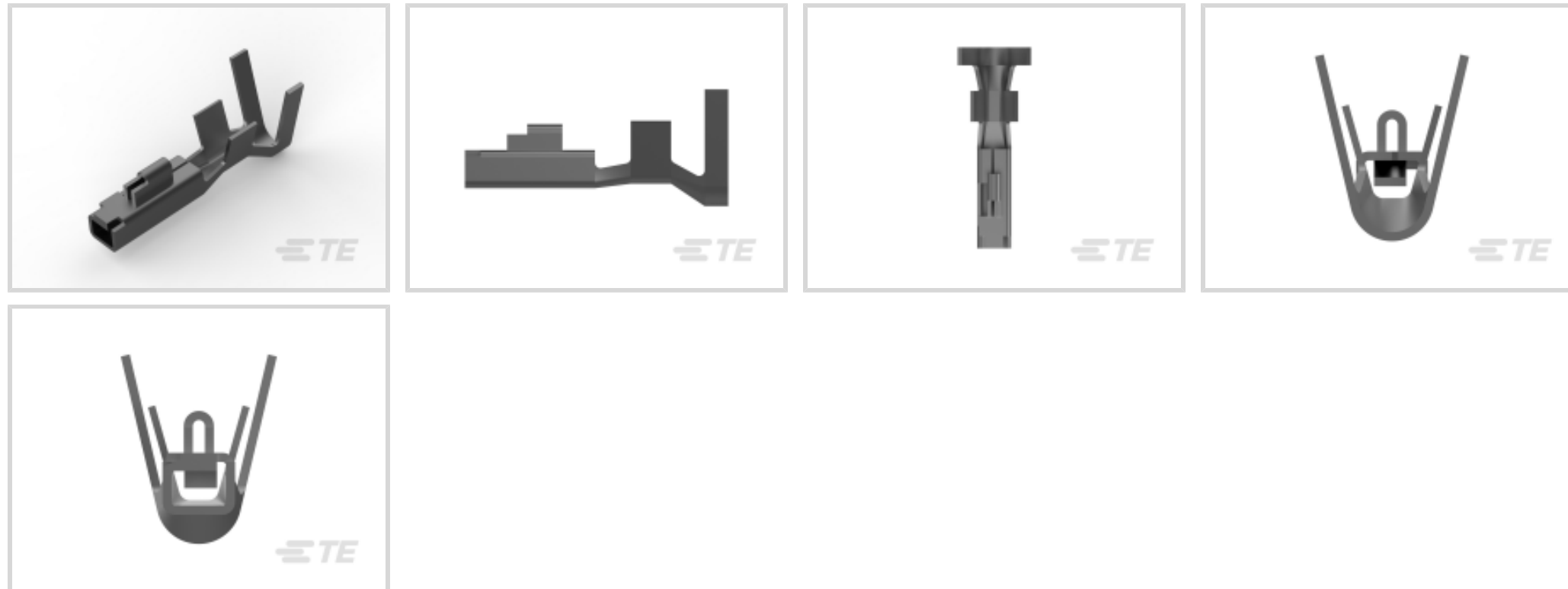
TE Internal #: 175156-2

Receptacle Contact, Tin, 300 VAC / 50 VAC, 20 – 16 AWG Wire Size, .5 – 1.42 mm<sup>2</sup> Wire Size, Crimp, Brass, Power, 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

#### 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	Brass
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
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### Dimensions

Compatible Insulation Diameter Range	1.7 – 3.3 mm [.067 – .13 in]
Wire Size	.5 – 1.42 mm <sup>2</sup>

### 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



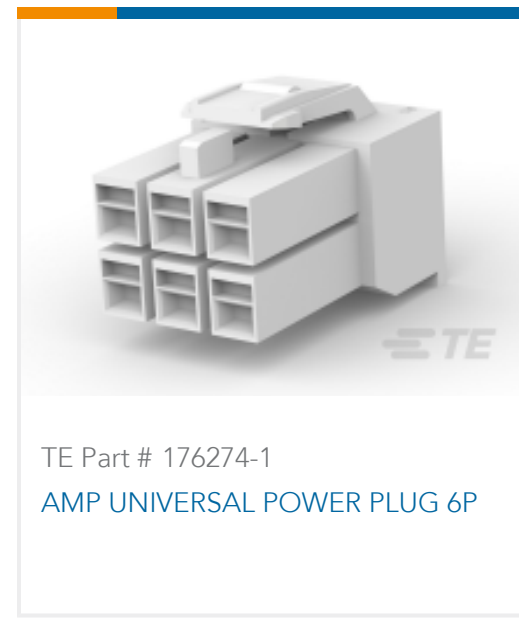
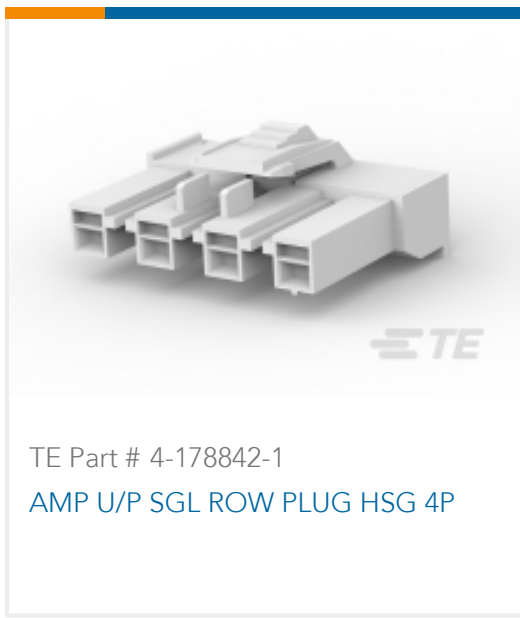
TE Part # 178125-4  
U/POWER PLUG HSG 2P 7.29MM



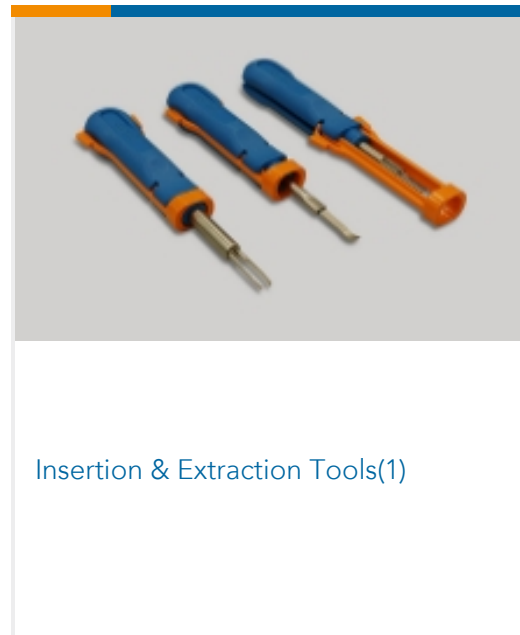
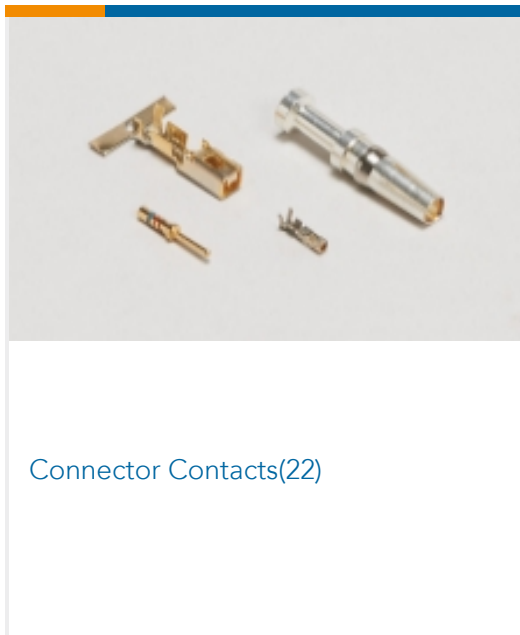
TE Part # 176279-1  
UNIV POWER PLUG HSG 15P F/H



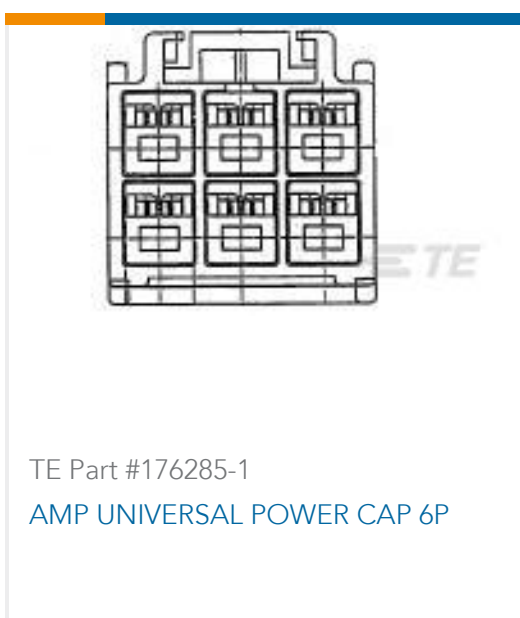
TE Part # 176279-9  
UNIV POWER PLUG HSG 15P F/H



## Also in the Series | AMP Universal Power



## Customers Also Bought





## Documents

### Product Drawings

#### 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

#### 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