



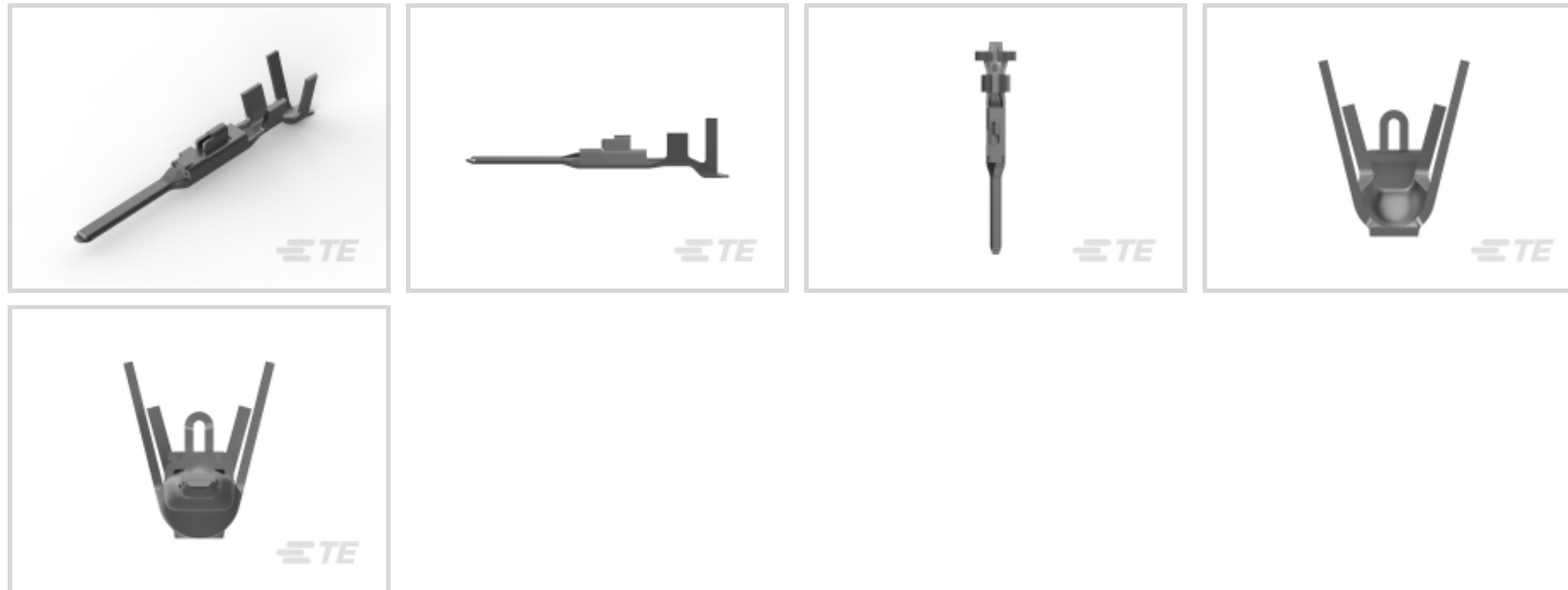
AMP Universal Power

TE Internal #: 175150-1

Power Contacts, Contact, 300 VAC / 50 VAC, Tin, 20 – 16 AWG  
 Wire Size, .5 – 1.42 mm<sup>2</sup> Wire Size, Wire & Cable, Crimp, Power,  
 Tab, AMP Universal Power

[View on TE.com >](#)

Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Operating Voltage: **50 VAC, 300 VAC**

Contact Mating Area Plating Material: **Tin**

Wire Size: **.5 – 1.42 mm<sup>2</sup>**

**Features**

**Product Type Features**

Power Contact Type	Contact
Connector & Contact Terminates To	Wire & Cable

**Electrical Characteristics**

Operating Voltage	50 VAC, 300 VAC
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**Contact Features**

Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	12 A
Contact Type	Tab
Contact Retention Within Housing	With
Mating Tab Width	1.2 mm[.047 in]
Mating Tab Thickness	.64 mm[.025 in]
Contact Base Material	Copper Alloy
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	Pre-Tin



Wire Contact Termination Area Plating Material Finish	Matte
Contact Orientation	Straight

### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

Wire Insulation Support	Without
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### Dimensions

Wire Size	.5 – 1.42 mm <sup>2</sup>
Compatible Insulation Diameter Range	1.7 – 3.3 mm [.067 – .13 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	4000
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 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 # 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



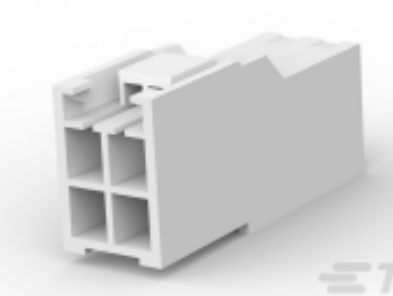
TE Part # 176290-1  
UNIV POWER CAP HSG 15P F/H



TE Part # 176295-1  
UNIV POWER CAP HSG 6P P/MOUNT



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



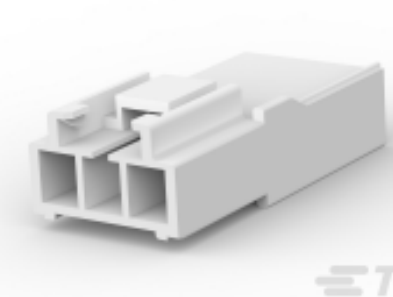
TE Part # 176284-1  
AMP UNIVERSAL POWER CAP 4P



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 # 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



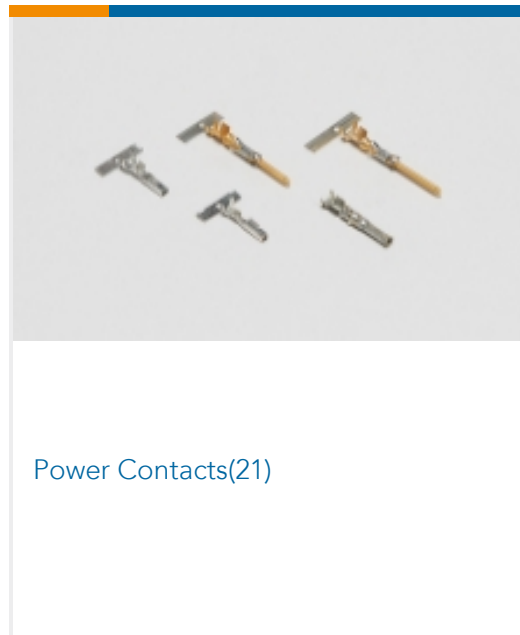
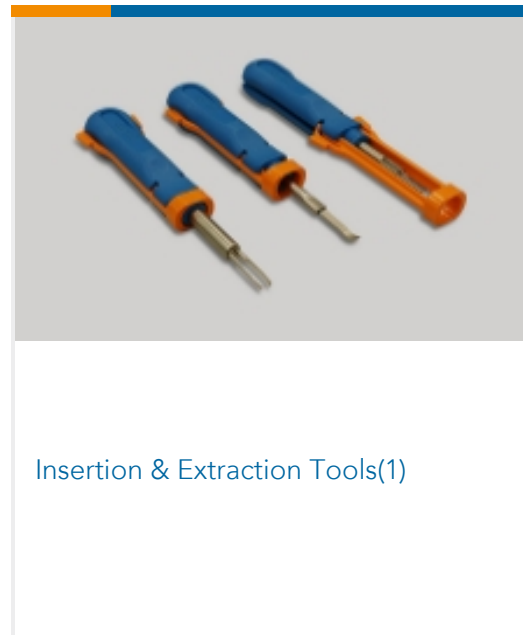
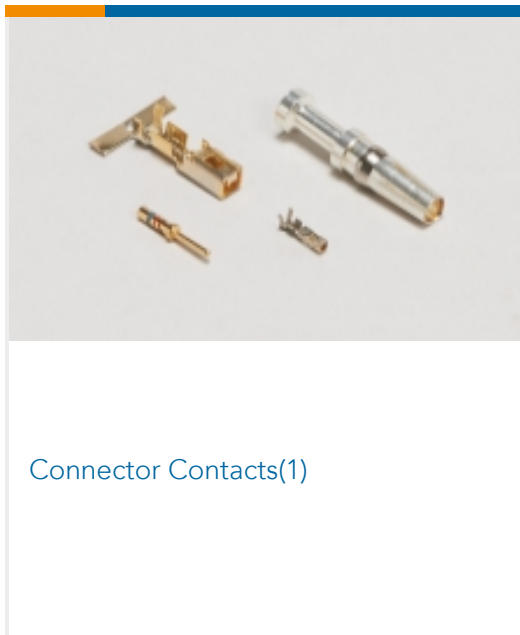
TE Part # 176284-9  
AMP UNIVERSAL POWER CAP 4P



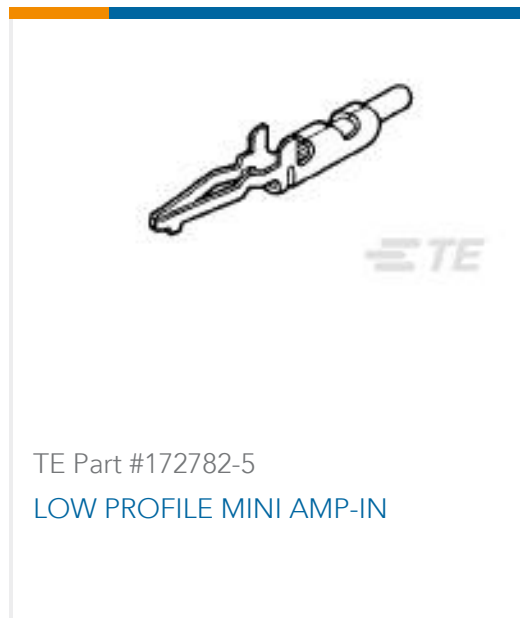
TE Part # 176288-1  
UNIV POWER CAP HSG 10P F/H



## Also in the Series | AMP Universal Power



## Customers Also Bought



## Documents

### Product Drawings

UNIVERSAL POWER CONN TAB

English

### CAD Files

3D PDF

3D

**Customer View Model**[ENG\\_CVM\\_CVM\\_175150-1\\_L\\_c-175150-1-l.2d\\_dxf.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_CVM\\_175150-1\\_L\\_c-175150-1-l.3d\\_igs.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_CVM\\_175150-1\\_L\\_c-175150-1-l.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

[AMP Lattice Connector](#)

Japanese

[Product Specification](#)

Japanese

[AMP UNIVERSAL POWER CONNECTOR M/T TYP](#)

Japanese

[Product Specification](#)

Japanese

[AMP UNIVERSAL POWER CONNECTOR M/T TYP](#)

English

[Product Specification](#)

English

**Product Environmental Compliance**[MD\\_175150-1\\_053120182142\\_dmtec](#)

English

[MD\\_175150-1\\_053120182142\\_dmtec](#)

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

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[Agency Approvals](#)

[UL Report](#)

English