

176289-1 ✓ ACTIVE

AMP Universal Power

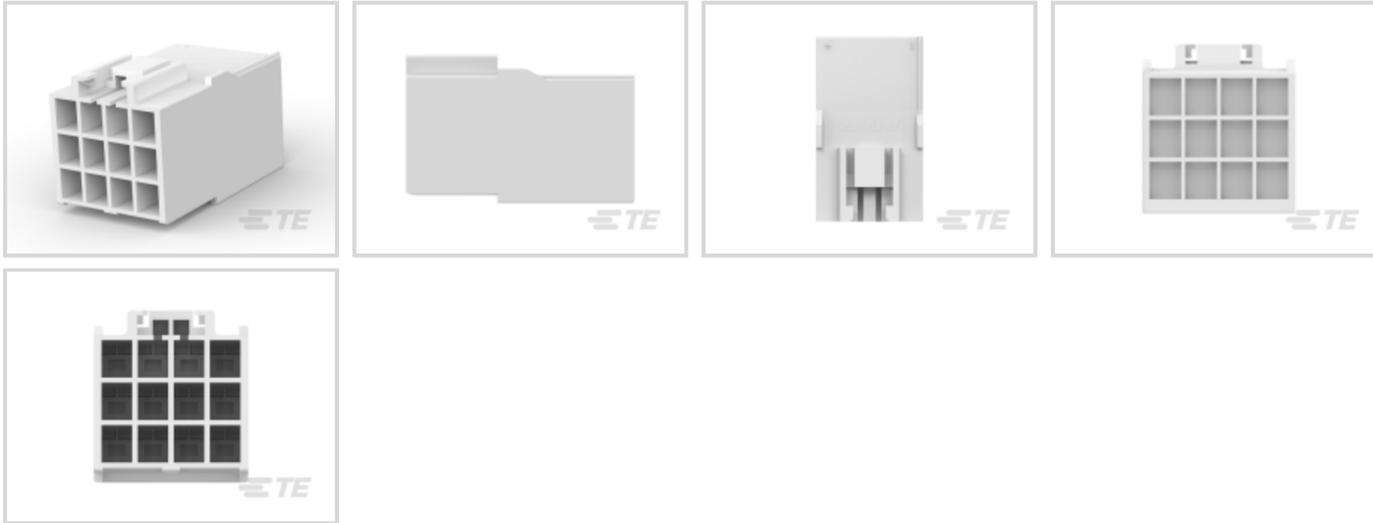
TE Internal #: 176289-1

12 Position, Cap, Housing, Crimp, Wire-to-Wire, UL 94V-0, 3.96 mm  
[.156 in] Centerline, 3 Row, 300 VAC, Wire & Cable, AMP Universal  
Power

[View on TE.com >](#)



Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Housing**

Connector & Housing Type: **Cap**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Mating Retention: **With**

### Features

#### Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Cap
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

#### Configuration Features

Number of Positions	12
Number of Rows	3

#### Electrical Characteristics

Insulation Resistance	1000 MΩ
Operating Voltage	300 VAC

#### Body Features

Primary Product Color	Natural
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### Contact Features

Contact Layout	Matrix
Contact Base Material	Copper Alloy
Contact Retention Within Housing	Without
Contact Type	Tab
Contact Current Rating (Max)	7 A

### Termination Features

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

Strain Relief	Without
Panel Mount Feature	Without
Mating Alignment	With
Mating Alignment Type	Polarization
Mating Retention	With
Mating Retention Type	Latch
Connector Mounting Type	Cable Mount (Free-Hanging)

### Housing Features

Centerline (Pitch)	3.96 mm [.156 in]
Housing Material	Nylon 6/6

### Dimensions

Connector Height	17.6 mm [.69 in]
Connector Length	29 mm [1.14 in]
Row-to-Row Spacing	4.6 mm [.181 in]

### Usage Conditions

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

Circuit Application	Power & Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

### Packaging Features

Packaging Quantity	500
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Packaging Method

Bag

### 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

有害物质含量符合标准要求 No Restricted Substance(s) 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 # 176278-9  
UNIV POWER PLUG HSG 12P F/H



TE Part # 175153-1  
UNIV POWER TAB CONT L/P



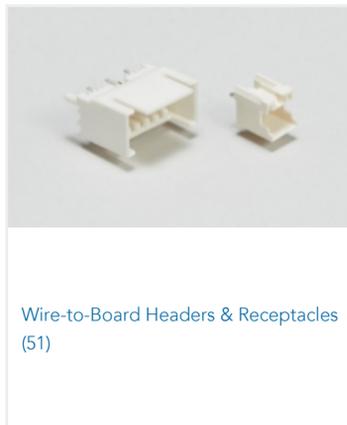
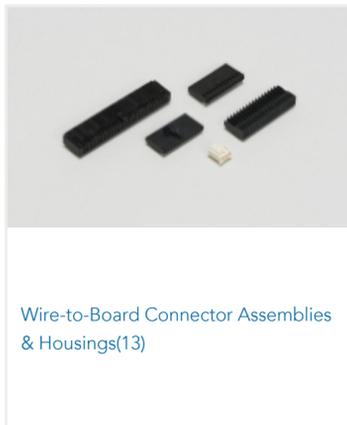
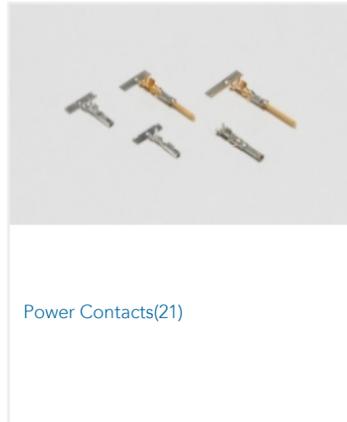
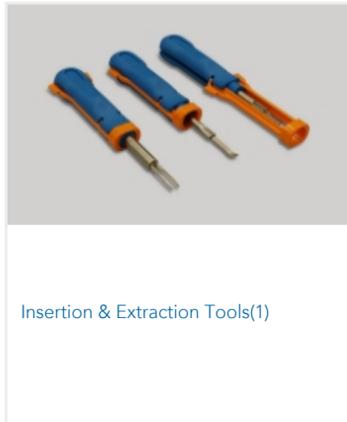
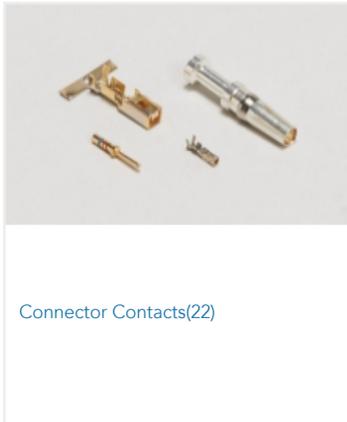
TE Part # 175154-1  
UNIV POWER TAB CONT L/P



TE Part # 175154-2  
U/P TAB CONT L/P



Also in the Series | **AMP Universal Power**



Customers Also Bought





TE Part #176277-1  
UNIV POWER PLUG HSG 10P F/H



TE Part #176287-1  
AMP UNIVERSAL POWER CAP 9P



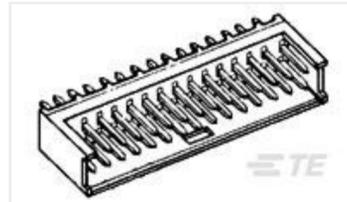
TE Part #176288-1  
UNIV POWER CAP HSG 10P F/H



TE Part #176297-1  
UNIV POWER CAP HSG 9P P/MOUNT



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



TE Part #280521-2  
2X12P MODU II SHRD HDR, ST, 0.38AU

## Documents

### Product Drawings

[UNIV POWER CAP HSG 12P F/H](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_176289-1\\_G.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_176289-1\\_G.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_176289-1\\_G.3d\\_stp.zip](#)

English

[3D PDF](#)

English

Customer View Model

[ENG\\_CVM\\_176289-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_176289-1\\_A.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_176289-1\\_A.2d\\_dxf.zip](#)

English



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

### Datasheets & Catalog Pages

[1773458-5\\_POWER\\_DBL\\_LOCK\\_\(PDL\)\\_CONNECTORS](#)

English

### Product Specifications

[Crimping of Universal Power Contact](#)

English

[Product Specification](#)

Japanese

[AMP Universal Power Connector](#)

Japanese

### Instruction Sheets

[AMP UNIVERSAL POWER CONNECTOR SERIES](#)

English

[Instruction Sheet \(non U.S.\)](#)

English

### Agency Approvals

[UL Report](#)

English