

176300-1 ✓ ACTIVE

AMP Universal Power

TE Internal #: 176300-1

Housing, Receptacle, Wire-to-Panel / Wire-to-Wire, 15 Position, 3.96 mm [.156 in] Centerline, AMP Universal Power, Rectangular Power Connectors

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

Connector System: **Wire-to-Panel, Wire-to-Wire**

### Features

#### Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

#### Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Panel, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

#### Configuration Features

Number of Positions	15
Number of Rows	3

#### Electrical Characteristics

Insulation Resistance	1000 MΩ
Operating Voltage	300 VAC



### Contact Features

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

### Termination Features

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

Strain Relief	Without
Panel Mount Feature	With
Mating Retention Type	Latch
PCB Mount Retention	Without
Mating Retention	With
Mating Alignment Type	Polarization
Mating Alignment	With
Connector Mounting Type	Panel Mount

### Housing Features

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

### Dimensions

Product Length	29 mm [1.14 in]
Connector Height	17.6 mm [.69 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
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Glow Wire Rating

Standard Part - Not Glow Wire

**Packaging Features**

Packaging Quantity	500
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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 175153-2  
U/P TAB CONT L/P



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



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



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



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

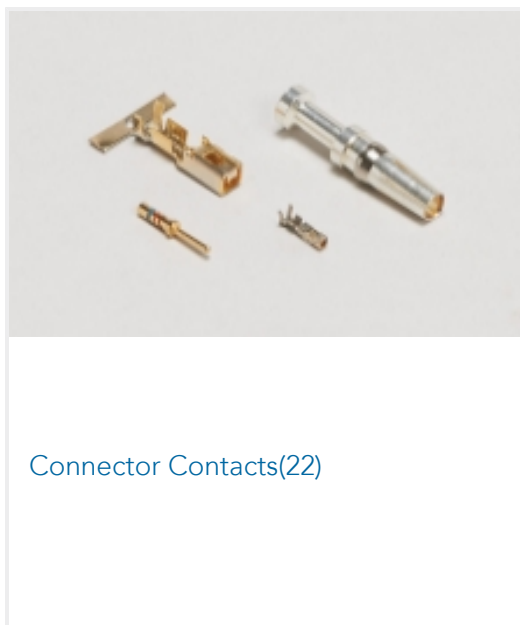


TE Part # 175149-1  
UNIVERSAL POWER CONN TAB

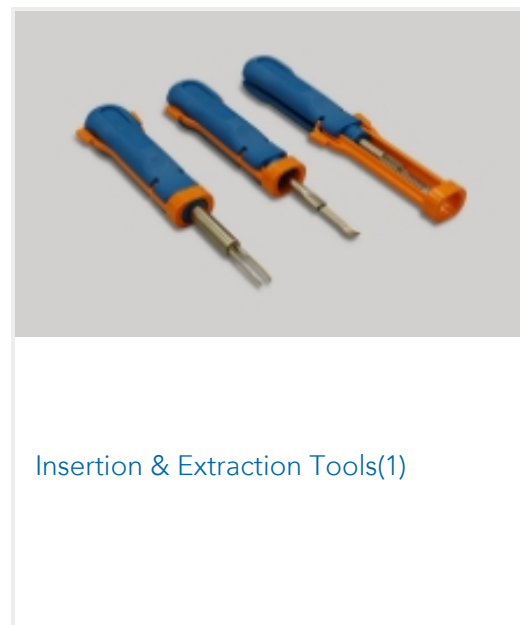


TE Part # 175149-3  
AMP UNIVERSAL POWER CONN.TAB  
C

### Also in the Series | AMP Universal Power



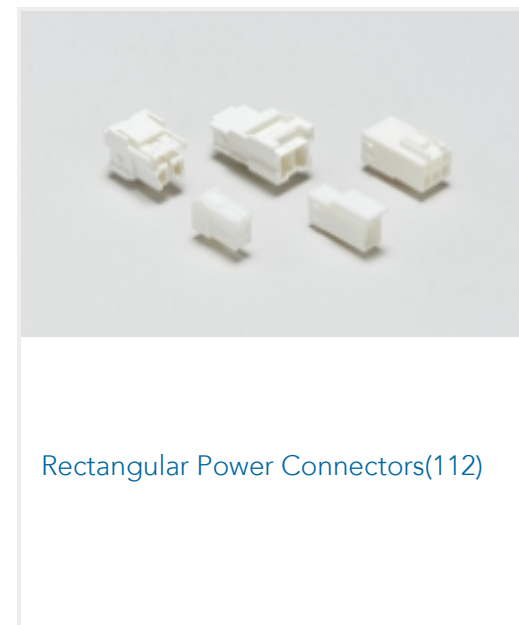
Connector Contacts(22)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(51)



Rectangular Power Connectors(112)

### Customers Also Bought



TE Part #176280-1  
UNIV POWER PLUG HSG 18P F/H



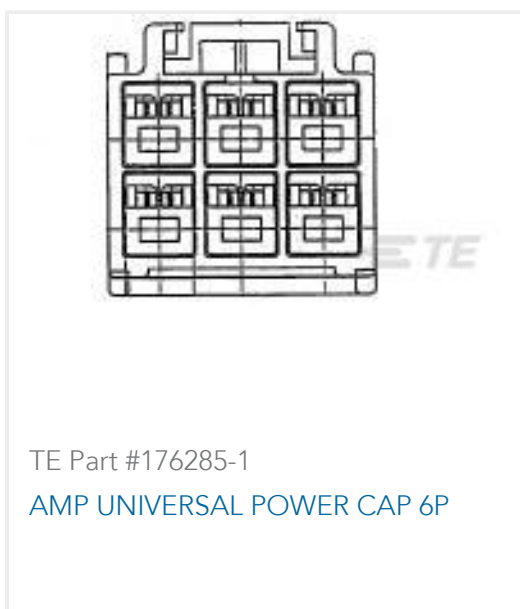
TE Part #176275-1  
UNIV POWER PLUG HSG 8P F/H



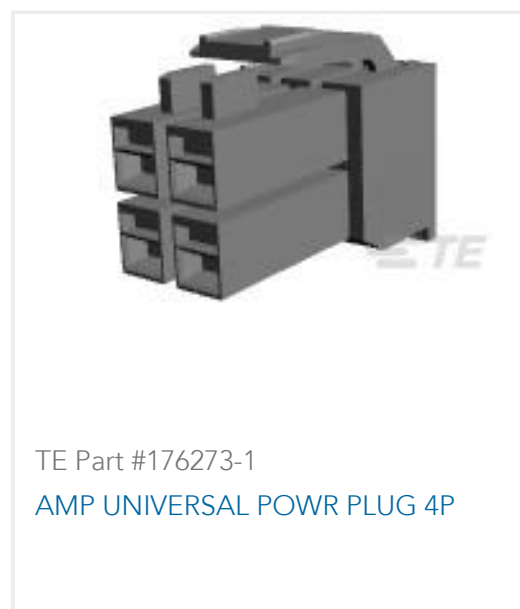
TE Part #176290-1  
UNIV POWER CAP HSG 15P F/H



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



TE Part #176285-1  
AMP UNIVERSAL POWER CAP 6P



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



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



TE Part #176292-1  
UNIV POWER CAP HSG 2P P/MOUNT

## Documents

### Product Drawings

#### UNVI POWER CAP HSG 15P PNL MTG

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_176300-1\\_E.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_176300-1\\_E.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_176300-1\\_E.3d\\_stp.zip](#)

English

#### 3D PDF

English

#### Customer View Model

[ENG\\_CVM\\_176300-1\\_A.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_176300-1\\_A.3d\\_stp.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_176300-1\\_A.2d\\_dxf.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

#### AMP UNIVERSAL POWER CONNECTOR SERIES

English

#### Instruction Sheet (non U.S.)

English

### Agency Approvals

176300-1

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## UL Report

English