



Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Mating Retention: **With**

Features

Product Type Features

|                                   |              |
|-----------------------------------|--------------|
| Connector Product Type            | Housing      |
| Connector & Housing Type          | Receptacle   |
| Connector System                  | 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 |

Body Features

|                       |         |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|



Contact Features

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

Termination Features

|                                    |       |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

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

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

Dimensions

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

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -30 – 105 °C[-22 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

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

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: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<br>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 # 175149-3  
AMP UNIVERSAL POWER CONN.TAB C



TE Part # 175149-2  
AMP UNIVE. POWER CONN TAB CONT



TE Part # 175149-1  
UNIVERSAL POWER CONN TAB



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





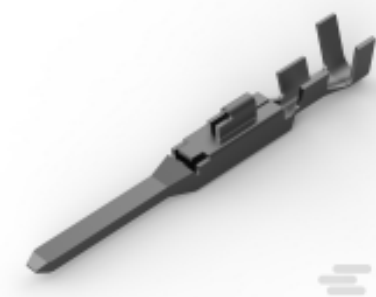
TE Part # 175150-1  
UNIVERSAL POWER CONN TAB



TE Part # 175150-2  
AMP UNIVE. POWER CONN TAB  
CONT



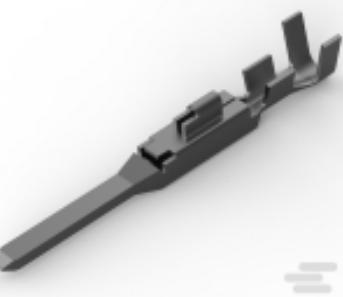
TE Part # 176280-9  
UNIV POWER PLUG HSG 18P F/H



TE Part # 175153-2  
U/P TAB CONT L/P



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



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

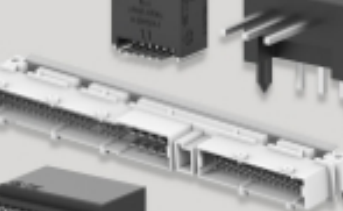


TE Part # 175154-1  
UNIV POWER TAB CONT L/P

Also in the Series | AMP Universal Power



Connector Contacts(22)



PCB Headers & Receptacles(51)



Power Contacts(21)



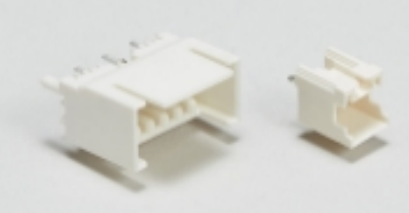
Rectangular Connector Housings(112)



Rectangular Power Connectors(163)



Standard Rectangular Connectors(112)



Wire-to-Board Headers & Receptacles  
(51)

Customers Also Bought



TE Part #176289-1  
UNIV POWER CAP HSG 12P F/H



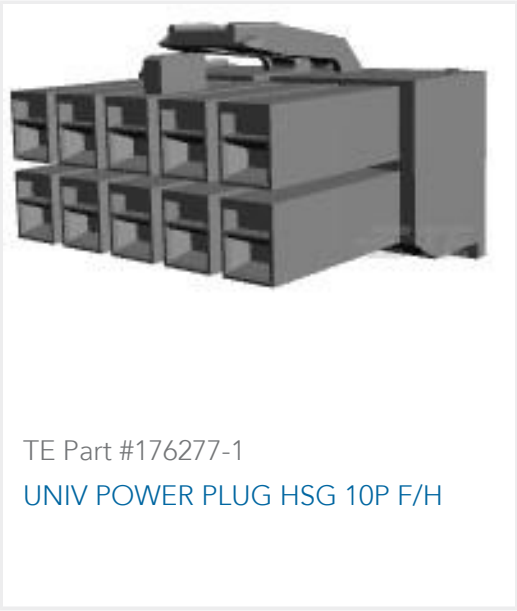
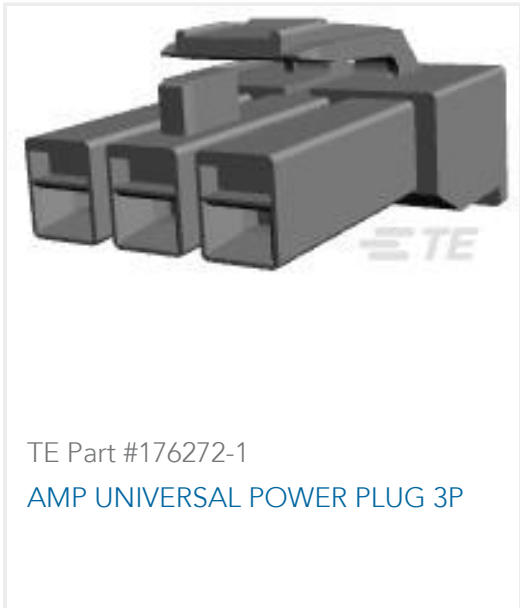
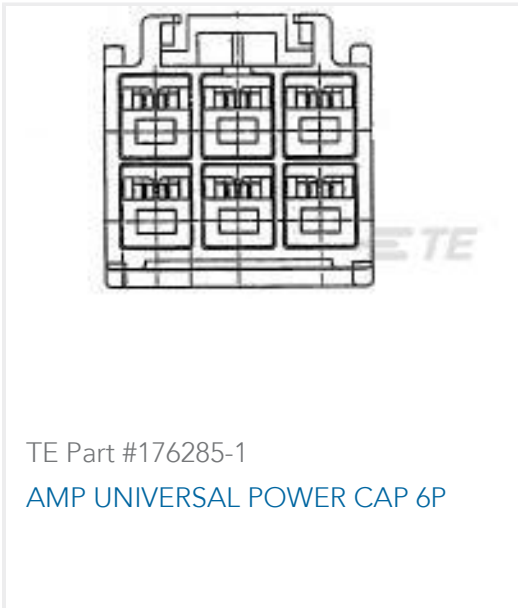
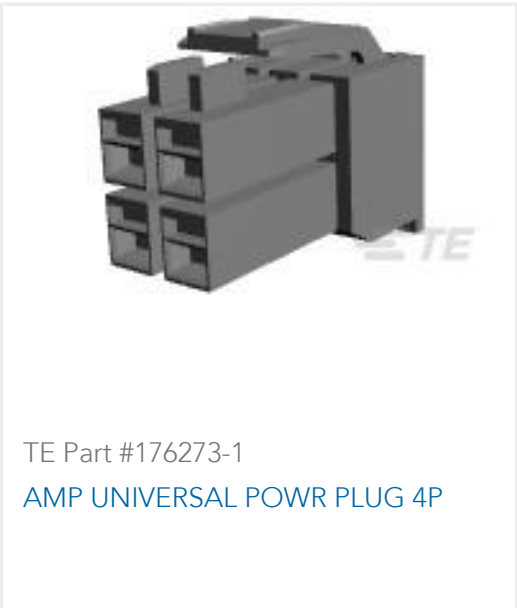
TE Part #176278-1  
UNIV POWER PLUG HSG 12P F/H



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



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



Documents

Product Drawings

UNIV POWER CAP HSG 18P F/H

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_176291-1\_F.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_176291-1\_F.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_176291-1\_F.3d\_stp.zip

English

3D PDF

English

Customer View Model

ENG\_CVM\_176291-1\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_176291-1\_A.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_176291-1\_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

UL Report

English