

176291-1 ✓ ACTIVE

AMP Universal Power

TE Internal #: 176291-1

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

Universal Power

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

Connector System: **Wire-to-Wire**

Number of Positions: **15**

Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

| | |
|-----------------------------------|--------------|
| Rectangular Power Connector 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

| | |
|-----------------------|---------|
| Operating Voltage | 300 VAC |
| Insulation Resistance | 1000 MΩ |

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 |
|------------------------------------|-------|

Mechanical Attachment

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

Housing Features

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

Dimensions

| | |
|--------------------|------------------|
| Row-to-Row Spacing | 4.6 mm [.181 in] |
| Height | 17.6 mm [.69 in] |
| 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

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

Packaging Features

| | |
|------------------|-----|
| Packaging Method | Bag |
|------------------|-----|



Packaging Quantity 500

Other

For Use With Plug Housing

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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 # 176280-9
UNIV POWER PLUG HSG 18P F/H

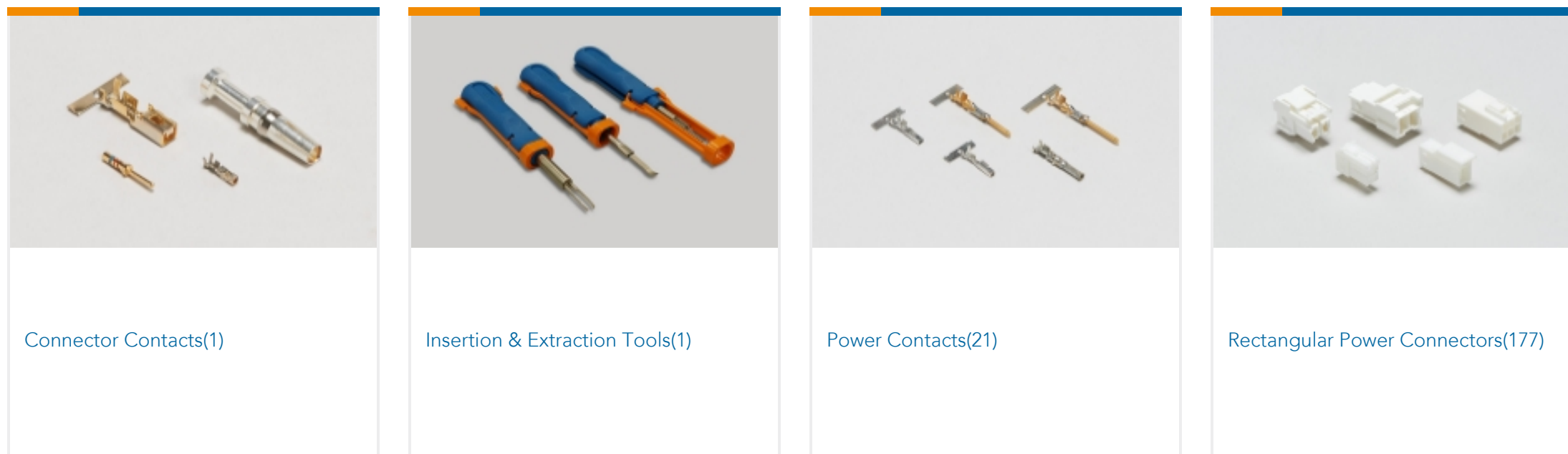
TE Part # 175149-1
UNIVERSAL POWER CONN TAB

TE Part # 175150-1
UNIVERSAL POWER CONN TAB

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



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



Documents

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](#)

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Customer View Model

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English

Customer View Model

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English

Customer View Model

[ENG_CVM_176291-1_A.2d_dxf.zip](#)

English

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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