

178480-1 ✓ ACTIVE

AMP Universal Power

TE Internal #: 178480-1

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire,
6 Position, 3.96 mm [.156 in] Centerline, Wire & Cable, UL 94V-0,
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: **6**

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	6
Number of Rows	1

Electrical Characteristics

Operating Voltage	300 VAC
Insulation Resistance	1000 MΩ

Contact Features

Contact Layout	Inline
Contact Base Material	Copper Alloy



Contact Retention Within Housing	Without
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Contact Type	Tab
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Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

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

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

Height	8.4 mm [.33 in]
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Length	29 mm [1.14 in]
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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
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Packaging Features

Packaging Method	Bag
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Packaging Quantity	500
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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

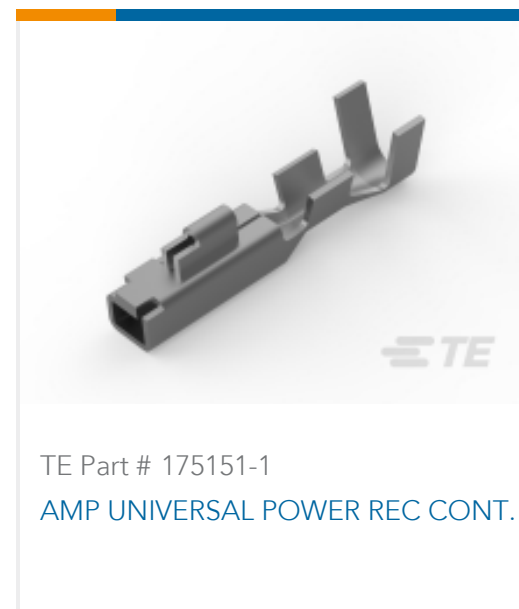
Solder Process Capability

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 # 175152-2
AMP UNIVE. POWER CONN REC CONT



TE Part # 175150-1
UNIVERSAL POWER CONN TAB CONT



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



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



TE Part # 175151-2
AMP UNIVE. POWER CONN REC CONT



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



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



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



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



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



TE Part # 175151-4
UNIVESAL POWER REC CONT #26-22



TE Part # 175152-3
UNIV POWER REC CONT




TE Part # 175152-4
UNIVESAL POWER REC CONT #20-16




TE Part # 178483-4
UP 3.96 6P PLUG HSG YELLOW


Also in the Series | AMP Universal Power



Connector Contacts(1)



Insertion & Extraction Tools(1)



Power Contacts(21)



Rectangular Power Connectors(177)

Documents



Product Drawings

[AMP UP CAP HSG F/H 6P NATURAL](#)

English

[AMP UP CAP HSG F/H 6P NATURAL](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_178480-1_O.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_178480-1_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_178480-1_O.3d_stp.zip](#)

English

[3D PDF](#)

English

Customer View Model

[ENG_CVM_178480-1_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_178480-1_O.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_178480-1_O.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