

178478-1 ✓ ACTIVE

AMP Universal Power

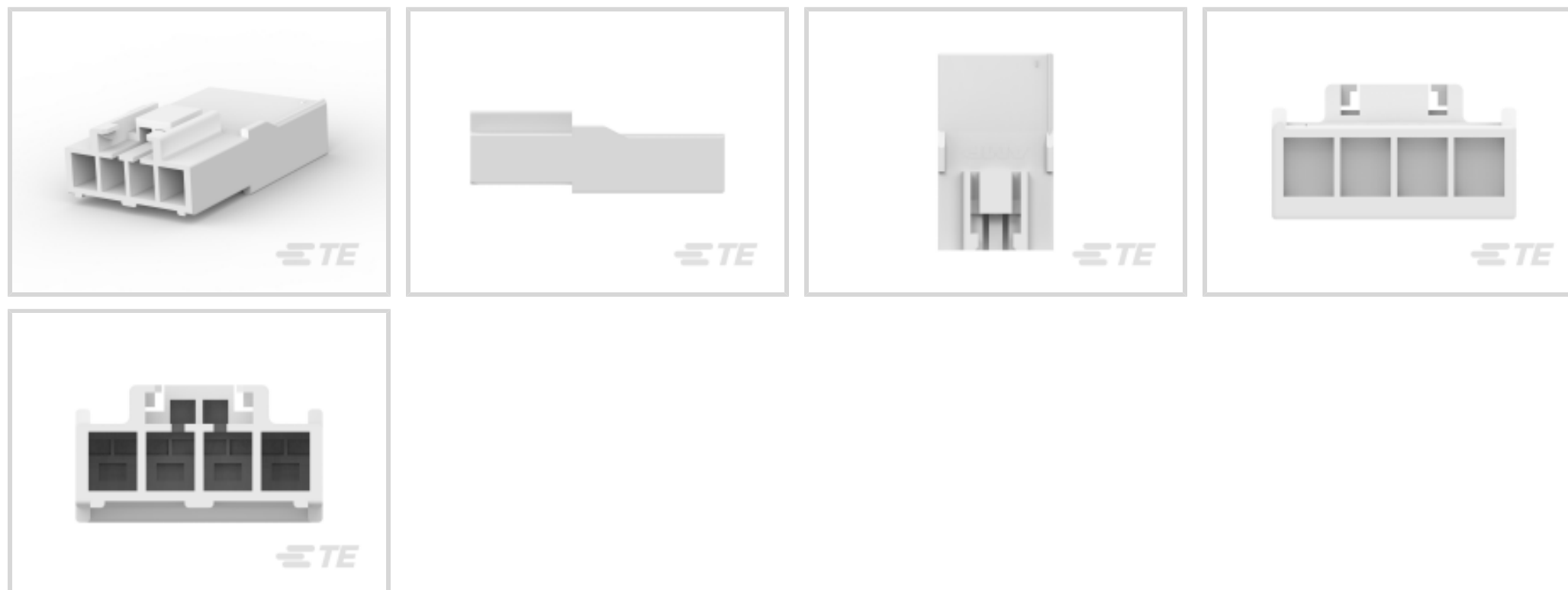
TE Internal #: 178478-1

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

[View on TE.com >](#)



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: **4**

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	4
Number of Power Positions	0
Number of Signal Positions	0
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 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
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

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

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Packaging Method	Bag
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Packaging Quantity	500
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Other

For Use With	Plug Housing
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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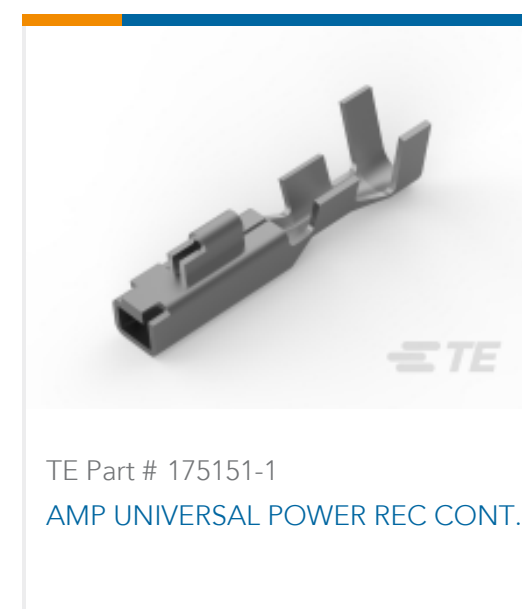
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not applicable for solder process capability
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Product Compliance Disclaimer

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>



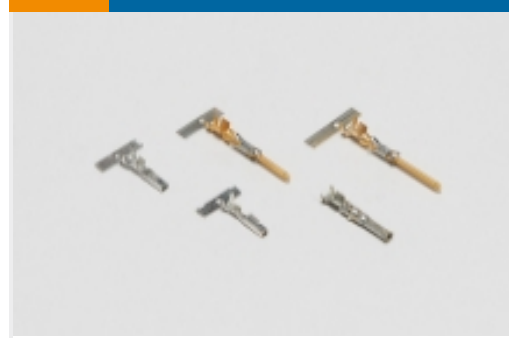

Compatible Parts





 <p>TE Part # 175152-2 AMP UNIVE. POWER CONN REC CONT</p>	 <p>TE Part # 175150-1 UNIVERSAL POWER CONN TAB CONT</p>	 <p>TE Part # 175149-2 AMP UNIVE. POWER CONN TAB CONT</p>	 <p>TE Part # 175150-2 AMP UNIVE. POWER CONN TAB CONT</p>
 <p>TE Part # 175151-2 AMP UNIVE. POWER CONN REC CONT</p>	 <p>TE Part # 175153-2 U/P TAB CONT L/P</p>	 <p>TE Part # 175154-1 UNIV POWER TAB CONT L/P</p>	 <p>TE Part # 175154-2 U/P TAB CONT L/P</p>
 <p>TE Part # 175153-1 UNIV POWER TAB CONT L/P</p>	 <p>TE Part # 175149-3 AMP UNIVERSAL POWER CONN.TAB C</p>	 <p>TE Part # 175151-4 UNIVESAL POWER REC CONT #26-22</p>	 <p>TE Part # 175152-3 UNIV POWER REC CONT</p>
 <p>TE Part # 175152-4 UNIVESAL POWER REC CONT #20-16</p>	 <p>TE Part # 178481-2 UP 3.96 PLUG HSG RED</p>	 <p>TE Part # 178481-4 UP 3.96 4P PLUG HSG YELLOW</p>	 <p>TE Part # 178481-6 UP 3.96 4P PLUG HSG BLUE</p>

Also in the Series | AMP Universal Power

 <p>Connector Contacts(1)</p>	 <p>Insertion & Extraction Tools(1)</p>	 <p>Power Contacts(21)</p>	 <p>Rectangular Power Connectors(177)</p>
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Documents



Product Drawings

AMP UP CAP HSG F/H 4P NATURAL

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_178478-1_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_178478-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_178478-1_B.3d_stp.zip](#)

English

3D PDF

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Customer View Model

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English

Customer View Model

[ENG_CVM_178478-1_O.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_178478-1_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

178478-1

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire, 4 Position, 3.96 mm [.156 in] Centerline, Wire & Cable, UL 94V-0, AMP Universal Power



English