

178481-1 ✓ ACTIVE



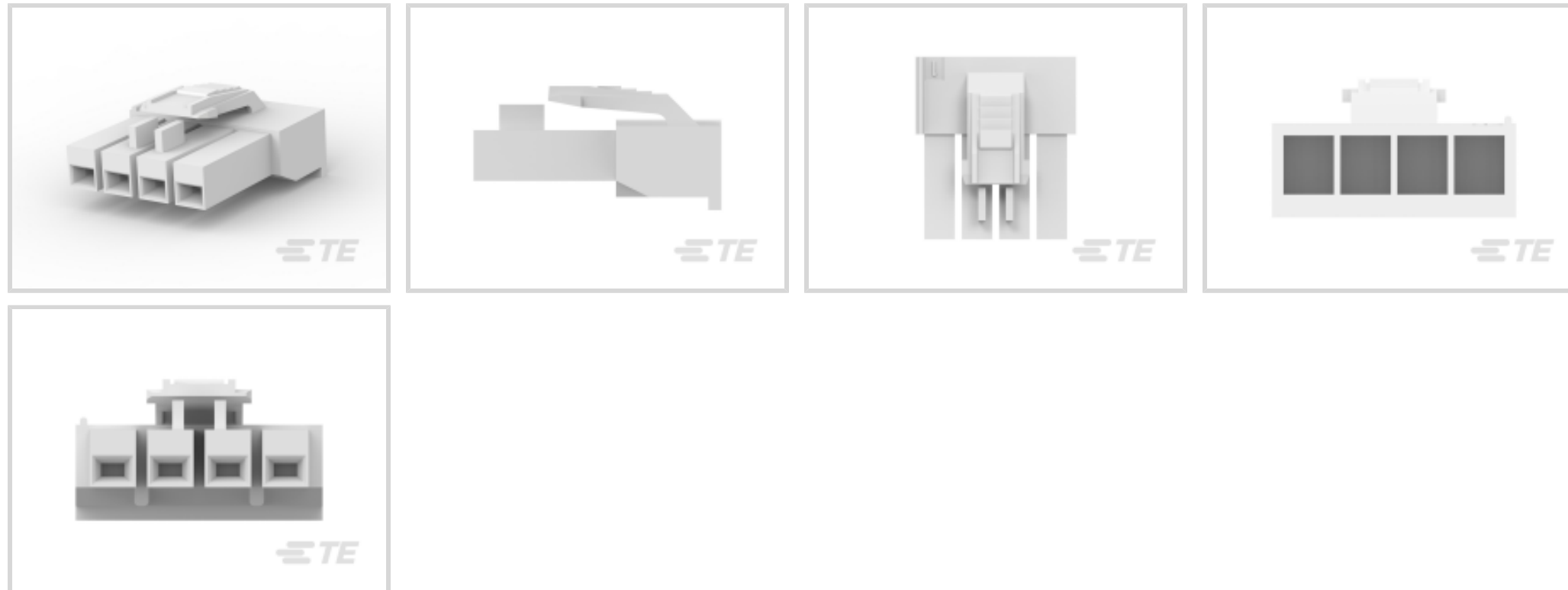
## AMP Universal Power

TE Internal #: 178481-1

Rectangular Power Connectors, Housing, Plug, 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: **Plug**

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	Plug
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

Insulation Resistance	1000 MΩ
Operating Voltage	300 VAC

#### Contact Features



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

### Termination Features

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

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

### Housing Features

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

### Dimensions

Connector Height	9.7 mm [.38 in]
Product Length	16.98 mm [.67 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 Quantity	1000
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Packaging Method	Bag
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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: JAN 2023 (233) Candidate List Declared Against: JUL 2021 (219) 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



TE Part # 175156-2  
U/P REC CONT L/P



TE Part # 175155-1  
UNIV POWER REC CONT L/P



TE Part # 178487-1  
UP 3.96 4P TAB HDR NAT TYPE 1



TE Part # 175151-1  
AMP UNIVERSAL POWER REC CONT.




TE Part # 175152-1  
UNIVERSAL POWER REC




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



TE Part # 175155-2  
U/P REC CONT L/P



TE Part # 175156-1  
UNIV POWER REC CONT L/P



TE Part # 178497-1  
UNIV. POWER HDR H 4P 3.96MM NA



TE Part # 178478-1  
AMP UP CAP HSG F/H 4P NATURAL



TE Part # 175152-2  
AMP UNIVE. POWER CONN REC  
CONT



TE Part # 175151-5  
AMP UNIVERSAL POWER CONN.REC  
C



TE Part # 1-178487-1  
UP 3.96 4P TAB HDR NAT TYPE 2



TE Part # 178740-1  
UP 3.96 CAP HSG PAN-MT NAT




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 # 5-178497-1  
AMP UP HDR H 2P 7.92 NATURAL




TE Part # 178484-1  
AMP U/P SGL ROW HDR HSG 4P V




TE Part # 6-178497-2  
AMP UP HDR H 2P 7.92 RED


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



Connector Contacts(1)



Insertion & Extraction Tools(1)



Power Contacts(21)

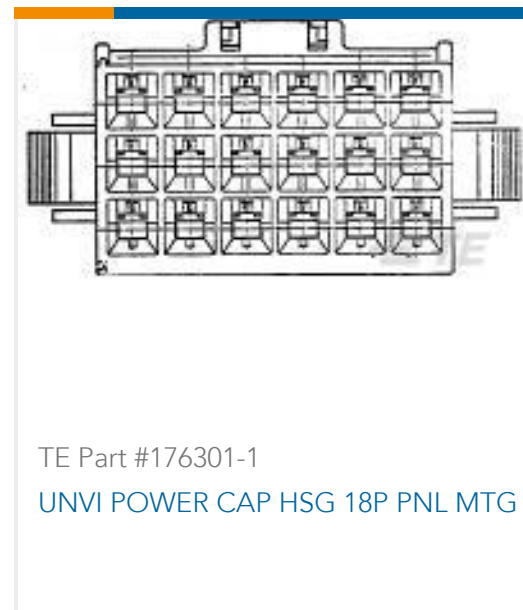


Rectangular Power Connectors(169)

Customers Also Bought



TE Part #66393-8  
Strip Pin and Socket Contacts, Type III



TE Part #176301-1  
UNVI POWER CAP HSG 18P PNL MTG



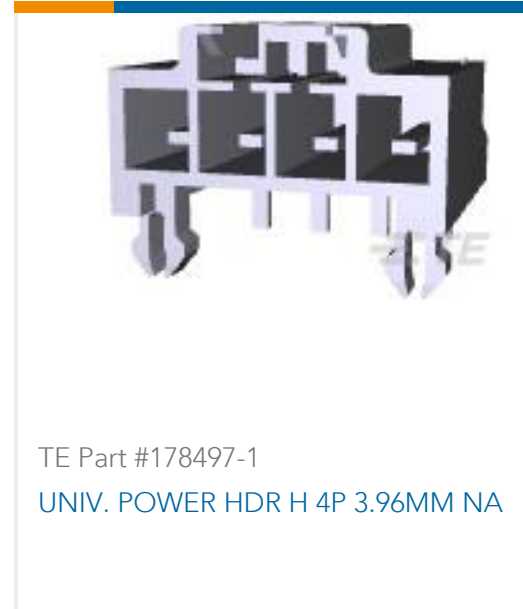
TE Part #176271-1  
AMP UNIVERSAL POWER PLUG 2P



TE Part #1-2232572-2  
GIC 2.5 W CAP HSG 3P RED



TE Part #2-34110-3  
SOLIS R 22-16 COMM 22-18 MIL 6



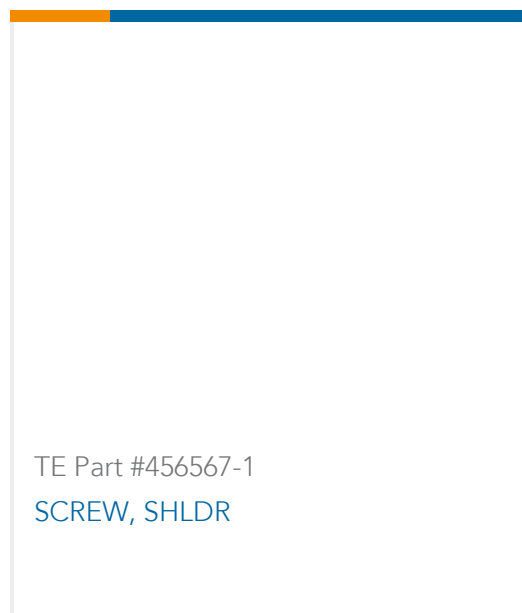
TE Part #178497-1  
UNIV. POWER HDR H 4P 3.96MM NA



TE Part #1-1969540-0  
HOUSING, PLUG, 10P,DUAL ROW, EP2.5



TE Part #458949-2  
STOP, WIRE



TE Part #456567-1  
SCREW, SHLDR

## Documents

### Product Drawings

[UP 3.96 4P PLUG HSG NATRL](#)

English

### CAD Files

[3D PDF](#)

English

**Customer View Model**

[ENG\\_CVM\\_178481-1\\_A.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_178481-1\\_A.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_178481-1\\_A.3d\\_stp.zip](#)

English

[3D PDF](#)

3D



### Customer View Model

[ENG\\_CVM\\_CVM\\_178481-1\\_C.2d\\_dxf.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_CVM\\_178481-1\\_C.3d\\_igs.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_CVM\\_178481-1\\_C.3d\\_stp.zip](#)

English

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### Product Specifications

[Crimping of Universal Power Contact](#)

English

[Product Specification](#)

Japanese

[AMP Universal Power Connector](#)

Japanese

### Product Environmental Compliance

[MD\\_178481-1\\_011520152047\\_dmtec](#)

English

[MD\\_178481-1\\_011520152047\\_dmtec](#)

English

### Instruction Sheets

[AMP UNIVERSAL POWER CONNECTOR SERIES](#)

English

[Instruction Sheet \(non U.S.\)](#)

English

### Agency Approvals

[UL Report](#)

English