

178481-1 ✓ ACTIVE

AMP Universal Power

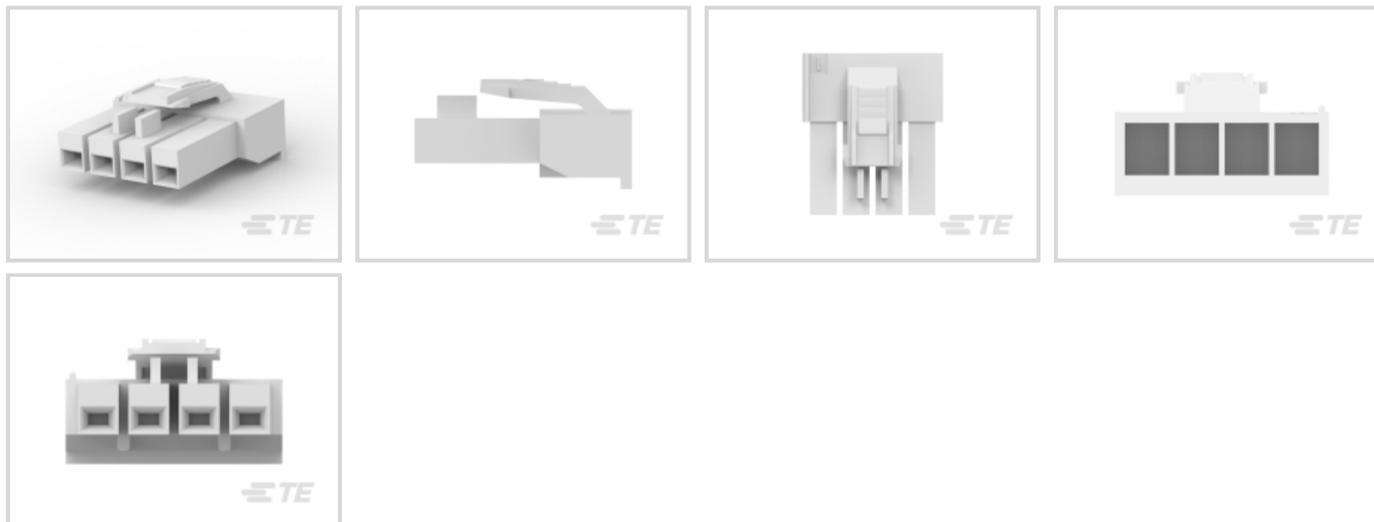
TE Internal #: 178481-1

4 Position, Plug, Housing, Crimp, Wire-to-Wire, UL 94V-0, 3.96 mm [.156 in] Centerline, 1 Row, 300 VAC, Wire & Cable, AMP Universal Power

[View on TE.com >](#)



Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Mating Retention: **With**

Features

Product Type Features

Connector Product 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 Rows	1
Number of Power Positions	0
Number of Signal Positions	0

Electrical Characteristics

Insulation Resistance	1000 MΩ
Operating Voltage	300 VAC

Body Features



Primary Product Color	Natural
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Contact Features

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

Termination Features

Termination Method to Wire & Cable	Crimp
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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

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

Dimensions

Connector Height	9.7 mm [.38 in]
Connector 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

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F < 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 # 175155-2
U/P REC CONT L/P



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



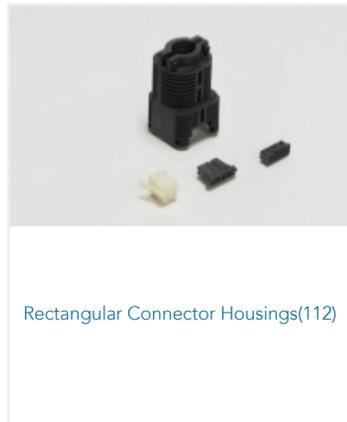
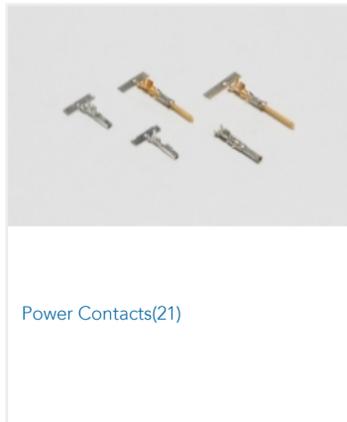
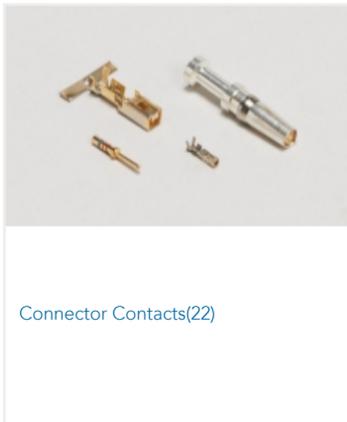
TE Part # 175152-4
UNIVESAL POWER REC CONT #20-16



TE Part # 175152-3
UNIV POWER REC CONT



Also in the Series | AMP Universal Power





Rectangular Power Connectors(163)



Standard Rectangular Connectors(112)



Wire-to-Board Connector Assemblies & Housings(13)

Customers Also Bought



TE Part #176278-9
UNIV POWER PLUG HSG 12P F/H



TE Part #176279-1
UNIV POWER PLUG HSG 15P F/H



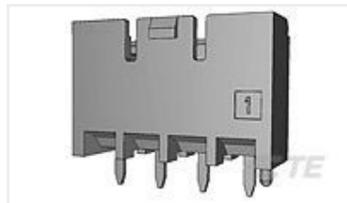
TE Part #176280-1
UNIV POWER PLUG HSG 18P F/H



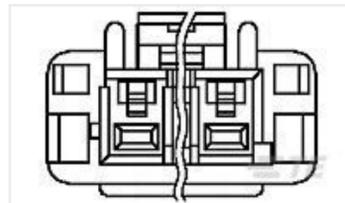
TE Part #178497-1
UNIV. POWER HDR H 4P 3.96MM NA



TE Part #928343-5
5P STD-TIMER GEH



TE Part #1376387-1
5mm B-T-W Conn. 6P(2row) HDR A



TE Part #1376388-1
5MM POWER KEY 2P PLUG HSG NAT



TE Part #3-1565085-4
GRACE INERTIA CONNECTOR 3.5 2P



TE Part #1969442-5
EP 2.5 TPA Housing, 5 Pos



TE Part #1969443-7
EP 2.5 TPA Retainer, 7 Pos

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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Datasheets & Catalog Pages

[1773458-5_POWER_DBL_LOCK_\(PDL\)_CONNECTORS](#)

English

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