



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	1
Number of Rows	1

Electrical Characteristics

Operating Voltage	300 VAC
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Body Features

Primary Product Color	Red
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Contact Features

Contact Type	Receptacle
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Contact Retention Within Housing	Without
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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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Panel Mount Feature	Without
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Mating Alignment	With
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Mating Alignment Type	Polarization
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Mating Retention	With
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Mating Retention Type	Latch
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Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

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

Connector Height	10.05 mm
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Connector Length	5.5 mm
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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

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

Packaging Quantity	2000
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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
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Not applicable for solder process capability

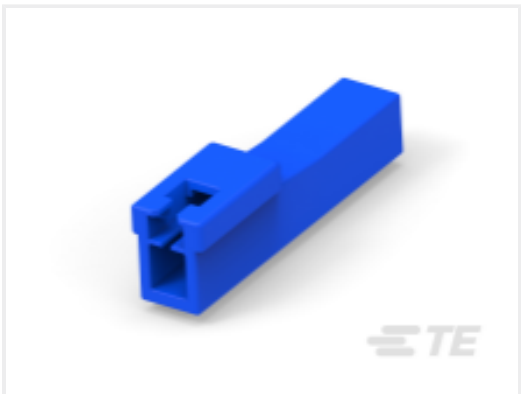
Product Compliance Disclaimer

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 # 176281-1
UNIV POWER CAP HSG 1P F/H



TE Part # 176281-6
UNIV POWER CAP HSG 1P F/H



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



TE Part # 175152-3
UNIV POWER REC CONT



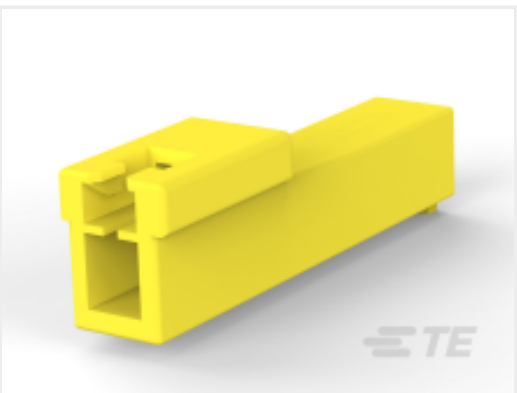
TE Part # 175152-4
UNIVESAL POWER REC CONT #20-16



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



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



TE Part # 176281-4
UNIV POWER CAP HSG 1P F/H



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



TE Part # 175152-1
UNIVERSAL POWER REC



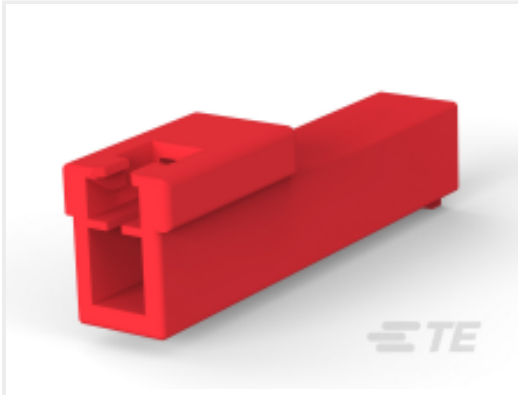
TE Part # 175156-2
U/P REC CONT L/P



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



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



TE Part # 176281-2
UNIV POWER CAP HSG 1P F/H



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



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

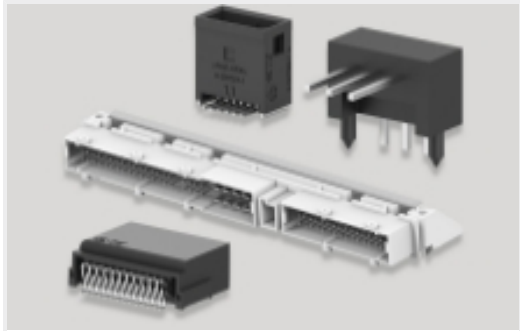
Also in the Series | AMP Universal Power



Connector Contacts(22)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(51)



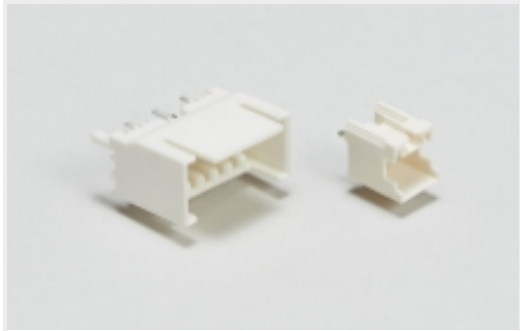
Power Contacts(21)



Rectangular Connector Housings(112)



Rectangular Power Connectors(163)

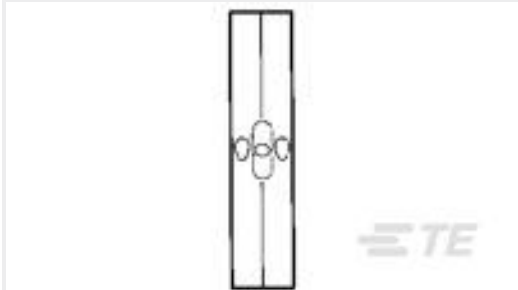


Wire-to-Board Headers & Receptacles
(51)

Customers Also Bought



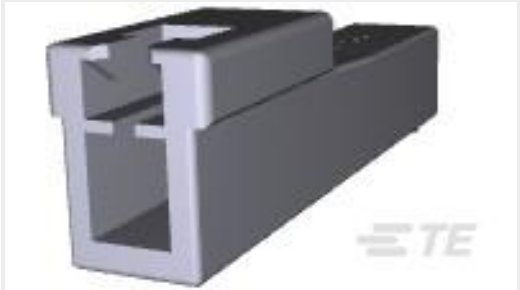
TE Part #1490414-2
HYP10 SOLIS HD 6-4AWG INDENTER



TE Part #330367
SPLICE,SOLIS BUTT 22-16



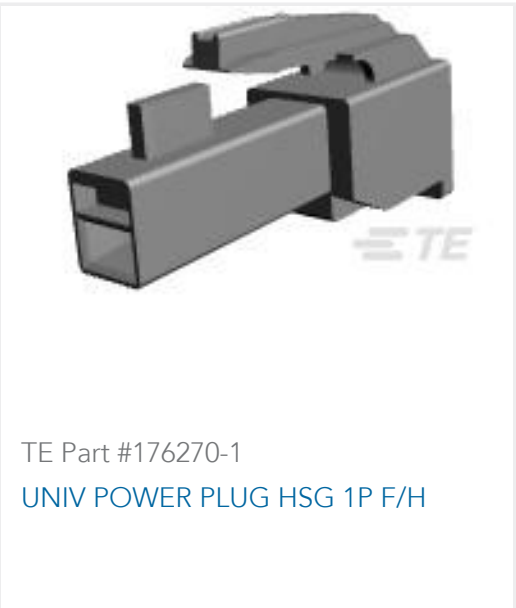
TE Part #1490413-4
HYP10 SOLIS 2AWG NEST



TE Part #176281-1
UNIV POWER CAP HSG 1P F/H



TE Part #176281-6
UNIV POWER CAP HSG 1P F/H



TE Part #176270-1
UNIV POWER PLUG HSG 1P F/H



TE Part #176278-1
UNIV POWER PLUG HSG 12P F/H



TE Part #176284-1
AMP UNIVERSAL POWER CAP 4P



TE Part #1490413-2
HYP10 SOLIS HD 8AWG NEST



TE Part #1326132-4
18WAY LAC SHIELD ASSEMBLY 70 D

Documents

Product Drawings

UNIV POWER PLUG HSG 1P F/H

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_176270-2_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_176270-2_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_176270-2_E.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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

TUV Certificate

English