



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

Connector System: **Wire-to-Wire**

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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	1
Number of Rows	1

Electrical Characteristics

Insulation Resistance	1000 MΩ
Operating Voltage	300 VAC



Contact Features

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

Housing Features

Housing Color	Red
Housing Material	Nylon 6/6

Dimensions

Product Length	29 mm[1.14 in]
Connector Height	8.4 mm[.33 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
Packaging Method	Bag



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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 175153-1
UNIV POWER TAB CONT L/P



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



TE Part # 175150-1
UNIVERSAL POWER CONN TAB



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





TE Part # 175150-2
AMP UNIVE. POWER CONN TAB
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 # 176270-2
UNIV POWER PLUG HSG 1P F/H



TE Part # 175149-1
UNIVERSAL POWER CONN TAB

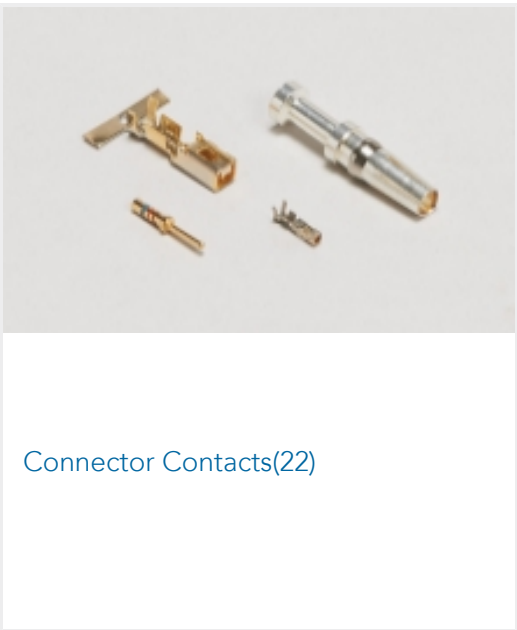


TE Part # 175149-3
AMP UNIVERSAL POWER CONN.TAB
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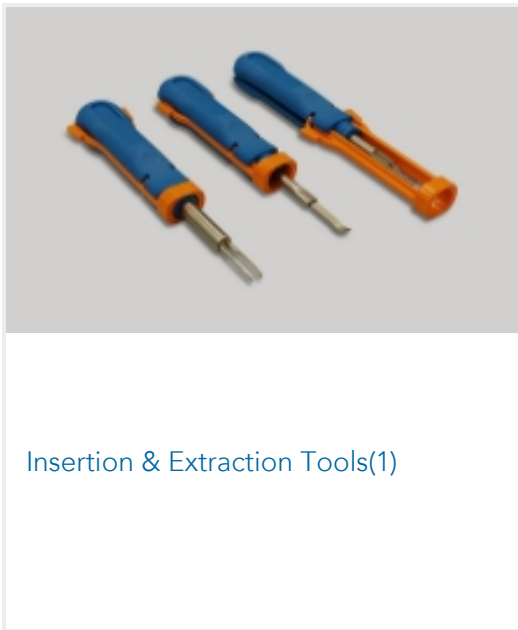


TE Part # 176270-4
UNIV POWER PLUG HSG 1P F/H

Also in the Series | AMP Universal Power



Connector Contacts(22)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(51)

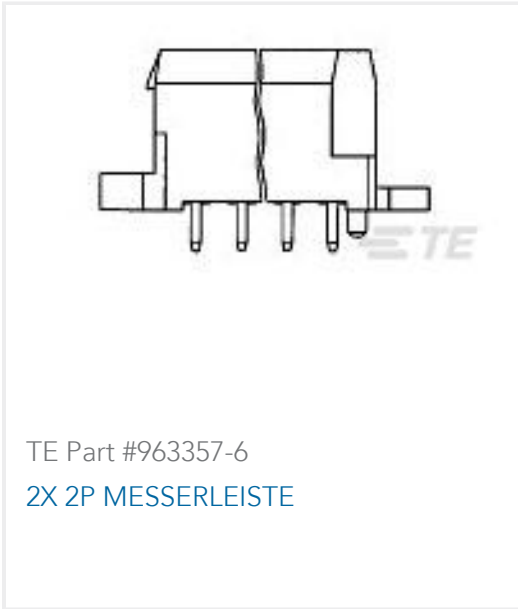


Rectangular Power Connectors(112)

Customers Also Bought



TE Part #DTM13-12PA
HDR, 12P, GRY, RA, SN/NI/CU, A



TE Part #963357-6
2X 2P MESSERLEISTE



TE Part #280755-2
FF 375 REC 6-10MM2 TPBR



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



TE Part #967650-4
1,5MM BU-STE KPL 6P



TE Part #1823467-1
6POS,AMP MCP1.5K,REC HSG,CODA



TE Part #2287497-1
SINGLE WIRE SEAL,1.5MM CONTACT
SYSTEM



TE Part #K1155494
Emergency Stop Switch ES-2003-T111



Documents

Product Drawings

UNIV POWER CAP HSG 1P F/H

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_176281-2_J.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_176281-2_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_176281-2_J.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

UL Report

English

176281-2

Housing, Receptacle, Wire-to-Wire, 1 Position, Wire & Cable, UL 94V-0, AMP
Universal Power, Rectangular Power Connectors

