

1-176282-1 ✓ ACTIVE

AMP Universal Power

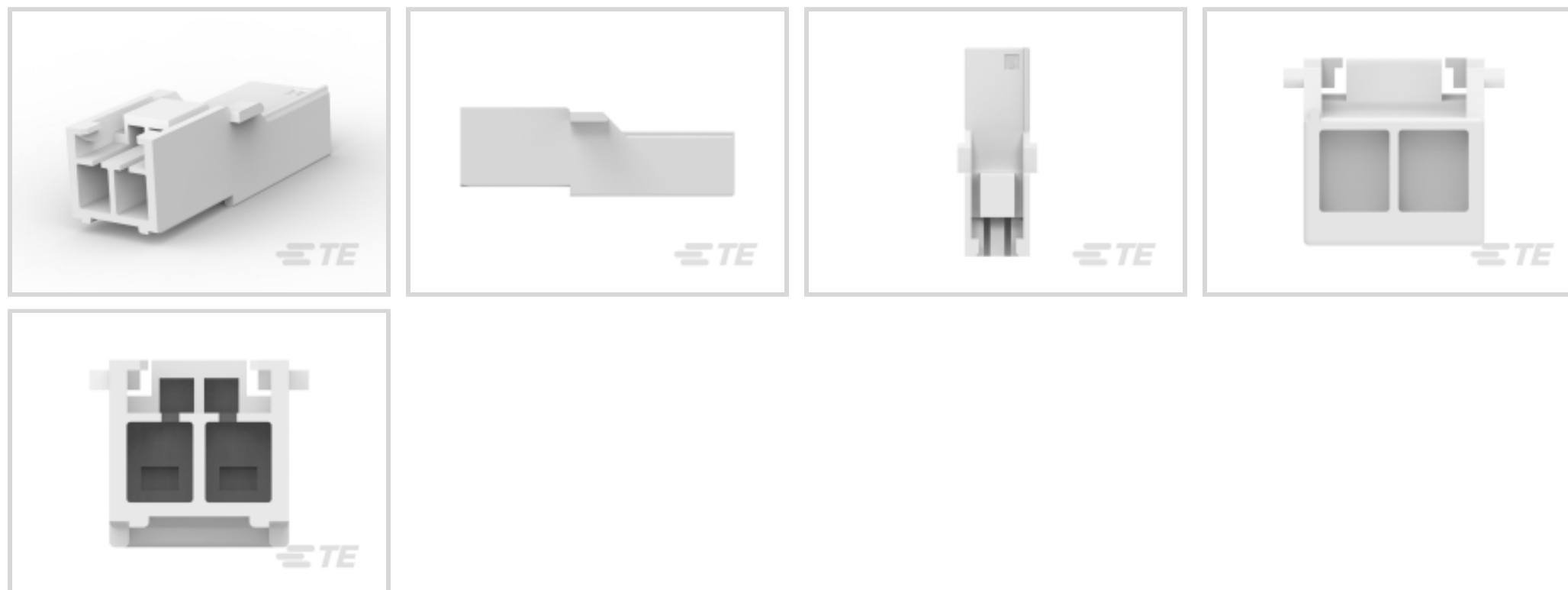
TE Internal #: 1-176282-1

2 Position, Cap, 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: **Cap**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Mating Retention: **With**

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Cap
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	2
Number of Rows	1
Number of Power Positions	0
Number of Signal Positions	0

Electrical Characteristics

Operating Voltage	300 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Layout	Inline
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 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	PA 6/6

Dimensions

Connector Height	8.4 mm [.33 in]
Connector 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

Packaging Quantity	1000
Packaging Method	Bag



Product Compliance

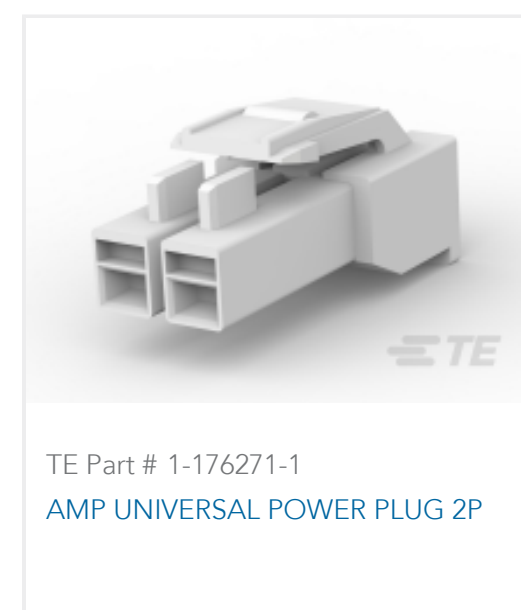
[For compliance documentation, visit the product page on TE.com>](#)

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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



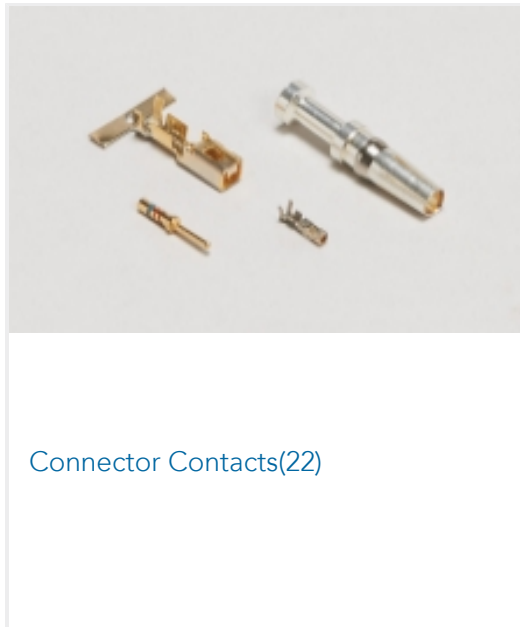


TE Part # 175150-2
AMP UNIVE. POWER CONN TAB
CONT

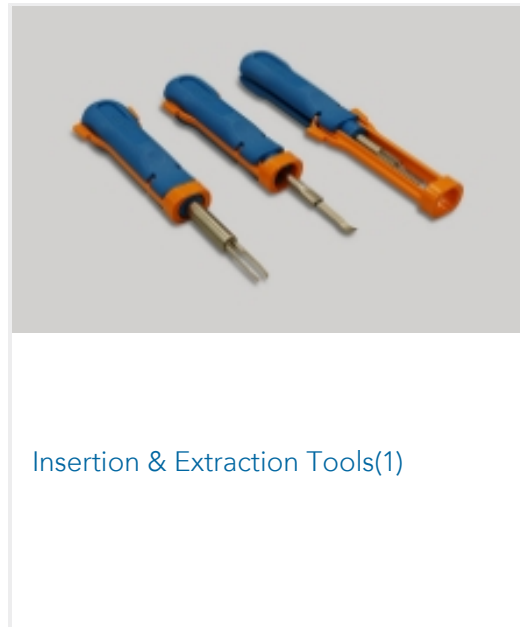


TE Part # 175150-1
UNIVERSAL POWER CONN TAB

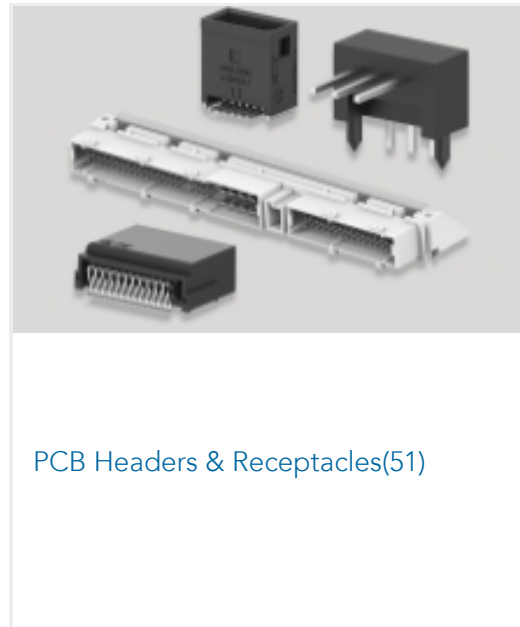
Also in the Series | AMP Universal Power



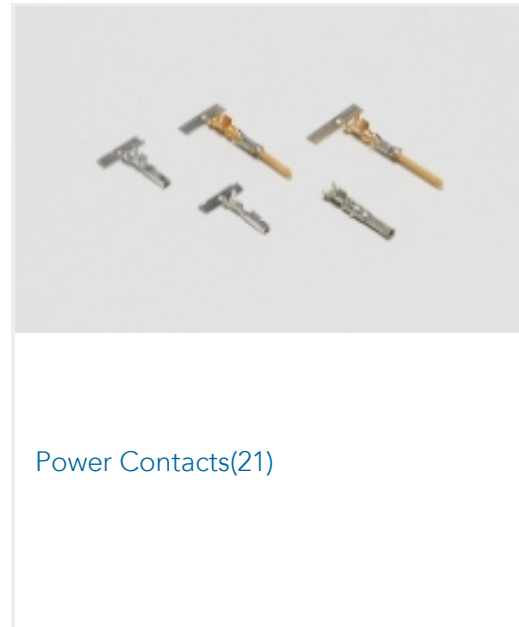
Connector Contacts(22)



Insertion & Extraction Tools(1)



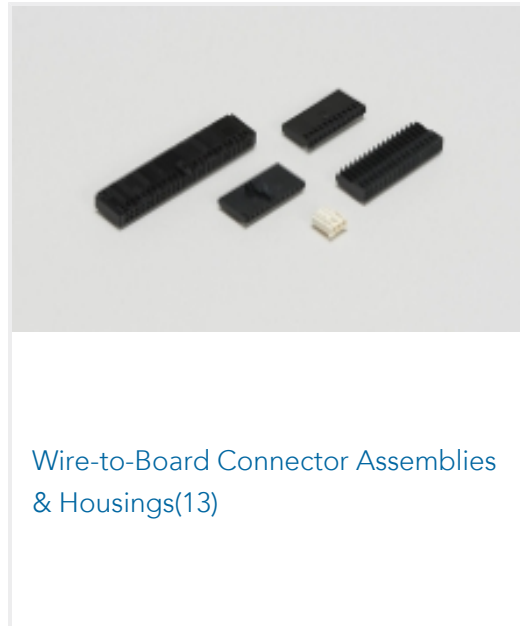
PCB Headers & Receptacles(51)



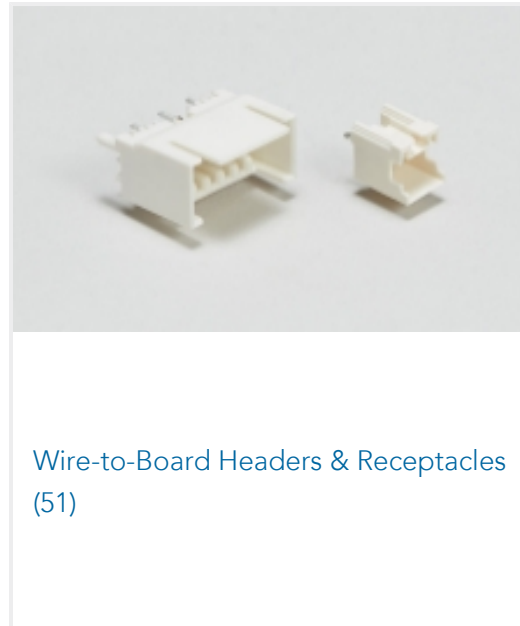
Power Contacts(21)



Rectangular Power Connectors(163)



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



Wire-to-Board Headers & Receptacles
(51)

Customers Also Bought



TE Part #5201976026
RT-3-NO.2-0-1IN



TE Part #311163
BUDGET RING 16-14 12



TE Part #42219-1
250 FASTON REC 18-14 AWG NPST



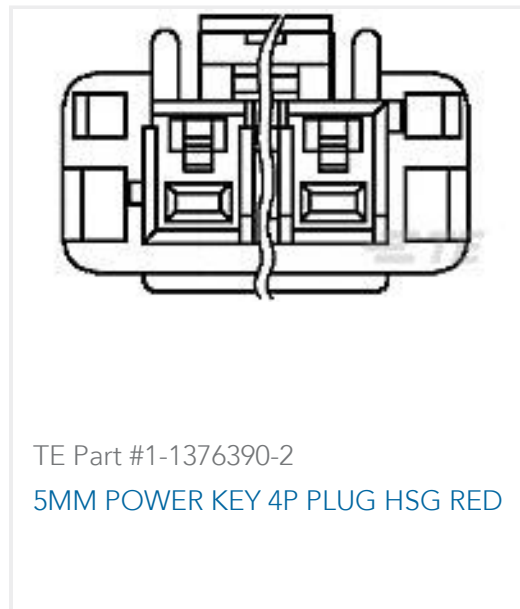
TE Part #63482-1
RING 18-14 AWG TPSTL



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



TE Part #3-480699-0
02P UMNL CAP HSG NATL



TE Part #1-1376390-2
5MM POWER KEY 4P PLUG HSG RED



TE Part #1969825-4
EP 2.5 TPA RETAINER, 4 POS



TE Part #1971778-3
PTL TPA HIGH TEMP 2 x 3 BLACK



TE Part #5-1971876-3
PTL 3X3 PLUG HSG HIGH TEMP KEY
A LGR

Documents

Product Drawings

AMP UNIVERSAL POWER CAP 2P

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1-176282-1_L.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-176282-1_L.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-176282-1_L.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

Extraction Tool for UP(913923-1)

English

Instruction Sheet (non U.S.)

English

AMP UNIVERSAL POWER CONNECTOR SERIES

English

Instruction Sheet (non U.S.)

English

1-176282-1

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



[Hand Tool, PN 914181-1, Universal Power Contact \(Was IS-505J\)](#)

Japanese

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

English

[Agency Approvals](#)

[UL Report](#)

English