1-770903-1 ✔ ACTIVE

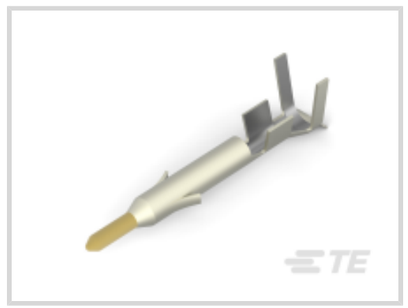
MATE-N-LOK | Mini-Universal MATE-N-LOK

TE Internal #: 1-770903-1

Gold (Au), Pin Contact, 22 – 18 AWG, 600 VAC, 600 VDC, .3 – .9 mm² Wire, Crimp, Phosphor Bronze, Power, Mini-Universal MATE-N-LOK

View on TE.com >

Connectors > Contacts > Connector Contacts







Contact Type: **Pin**

Contact Mating Area Plating Material: **Gold (Au)**

Wire Contact Termination Area Plating Material: **Tin**

Operating Voltage: **600 VDC**

Features

Product Type Features

Discrete Wire Type	Stranded

Electrical Characteristics

Operating Voltage	600 VDC

Contact Features

Contact Type	Pin
Contact Mating Area Plating Material	Gold (Au)
Wire Contact Termination Area Plating Material	Tin
Contact Retention Within Housing	With
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	11.2 A
Mating Pin Diameter	1 mm[.039 in]
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Wire Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Wire Contact Termination Area Plating Material Finish	Bright
Contact Orientation	Straight

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]

Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable

Mechanical Attachment

Wire Insulation Support	Without

Dimensions

Wire Size	.3 – .9 mm²
Compatible Insulation Diameter Range	1.5 – 2.39 mm[.059 – .094 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Circuit Application	Power

Industry Standards

Compatible With Agency/Standards Products	CSA, UL

Packaging Features

Packaging Quantity	4500
Packaging Method	Reel

Product Compliance

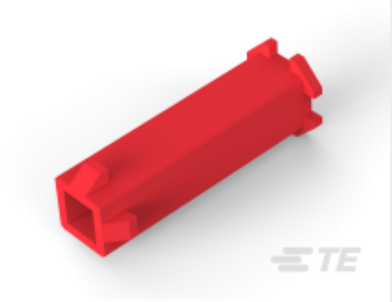
For compliance documentation, visit the product page on TE.com>

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # 1-172156-2
1 POS SR MINI UNIV



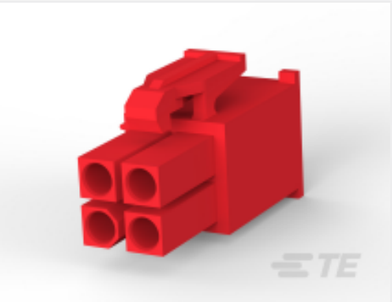
TE Part # 1-172338-4
MINI U-M-N-L PLUG 4P YELLOW



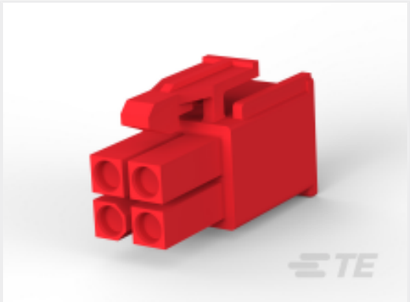
TE Part # 189727-1
EXTRACTION TOOL



TE Part # 172168-1
6 CIR UNIV M-N-L PLUG



TE Part # 1-172338-2
4CIR MINI-UMNL PLUG RED



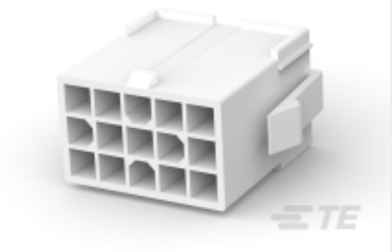
TE Part # 1-172167-2
4 POS DR MINI UNIV



TE Part # 1-172233-2
2 POS MINI UNIV FREE HANG RED



TE Part # 172157-1
2CIR MINI U-M-N-L CAP NATL



TE Part # 172334-1
MINI UMNL CAP HOUSING 15P



TE Part # 1445817-1
PLUG,11-8,SM INS,STD KEY



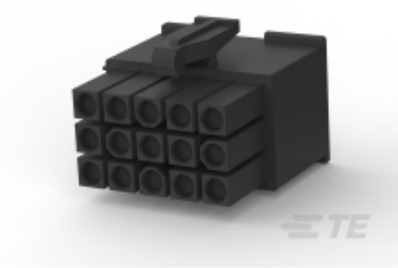
TE Part # 1445819-1
PLUG,11-6,SM INS,STD KEY



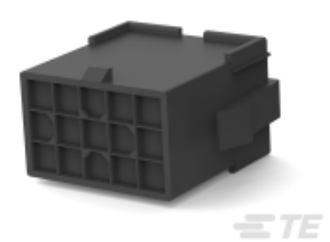
TE Part # 1445819-3
PLUG,11-6,LG INS,STD KEY



TE Part # 1445535-1
PLUG,8-2,LG INS,STD KEY



TE Part # 1-172171-9
15 POS TR MINI UNIV



TE Part # 1-172163-9
MINI UNIVERSAL M-N-L CAP 15P



TE Part # 1445818-1
PLUG,11-7,SM INS,STD KEY



TE Part # 1445824-1
REC,11-5,FLNG MT,SM INS,STD KE



TE Part # 1586404-1
16P MINI UMNL CAP HSG SEALED



TE Part # 172234-1
3P MINI UNIVERSAL MATE-N-LOK CAP HOUSING



TE Part # 172333-1
MINI UNIVERSAL M-N-L HOUSING

Also in the Series | Mini-Universal MATE-N-LOK



Connector Caps & Covers(2)



Connector Contacts(89)



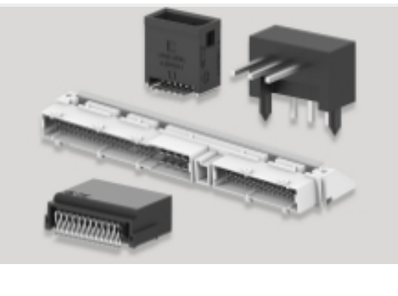
Connector Seals & Cavity Plugs(17)



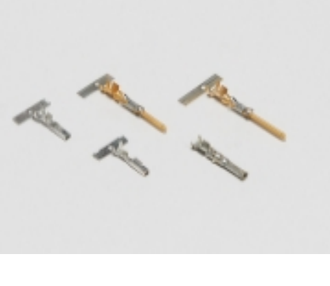
Connector Strain Relief(2)



Insertion & Extraction Tools(1)



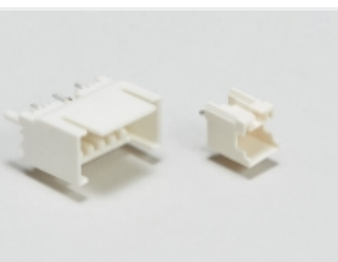
PCB Headers & Receptacles(93)



Power Contacts(89)



Rectangular Power Connectors(196)

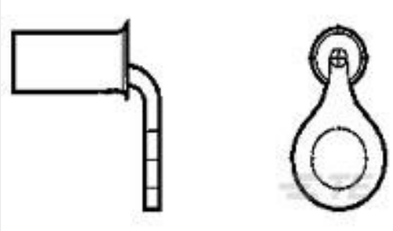


Wire-to-Board Headers & Receptacles (93)

Customers Also Bought



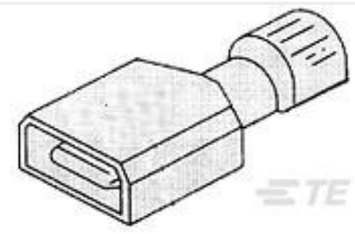
TE Part #52042-1
TERMINAL,R PG 6 1/4



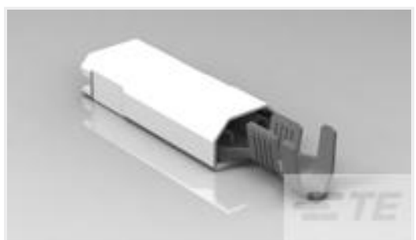
TE Part #54753-1
TERMINAL R 90 DEG PG 6 10



TE Part #1-350777-9
02P UMNL V0 PLUG HSG BLACK



TE Part #2-520103-2
ULTRA-FAST 250 ASSEMBLY TAB 22-18 AWG BR



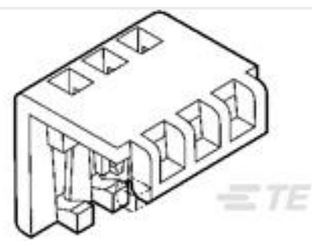
TE Part #520974-2
ULTRA-POD 250 ASSY REC 14-12 AWG TPBR



TE Part #521282-2
ULTRA-POD 250 ASSY REC 18-14 AWG TPBR



TE Part #556879-5
PLUG HSG,AMPINNERGY WTB,5 POS



TE Part #643075-2
02P MTA100 MOLDED COVER



TE Part #1-647402-1
11P SL156 HSG W/RMP&TABS,OVSZ



TE Part #1-770904-1
MINI UMNL SOK 22-18AWG AU LF

Documents

Product Drawings

MINI UMNL PIN 22-18 AWG AU LF

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-770903-1_U.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-770903-1_U.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-770903-1_U.3d_stp.zip

English

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Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English