170359-3 ✔ ACTIVE

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

TE Internal #: 170359-3

Gold (Au), Pin Contact, 26 – 22 AWG, 600 VAC, 600 VDC, .12 – .35 mm² Wire, Crimp, Brass, Power, -20 – 105 °C [-4 – 221 °F], 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: **Gold**

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	Gold
Contact Retention Within Housing	With
Contact Base Material	Brass
Contact Current Rating (Max)	7 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	.76 µm[30 µin]
Wire Contact Termination Area Plating Material Finish	Matte
Contact Orientation	Straight

Contact Underplating Material	Nickel

Termination Features

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

Mechanical Attachment

Wire Insulation Support	Without

Dimensions

Wire Size	.12 – .35 mm²
Compatible Insulation Diameter Range	1.19 – 1.75 mm[.047 – .069 in]

Usage Conditions

Operating Temperature Range	-20 – 105 °C[-4 – 221 °F]

Operation/Application

Circuit Application	Power

Industry Standards

Compatible With Agency/Standards Products	CSA, UL

Packaging Features

Packaging Quantity	6000
Packaging Method	Reel

Product Compliance

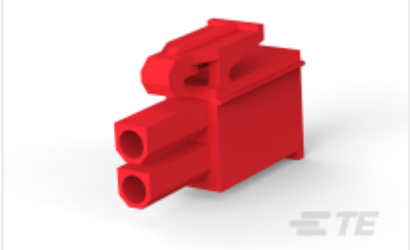
For compliance documentation, visit the product page on TE.com>

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

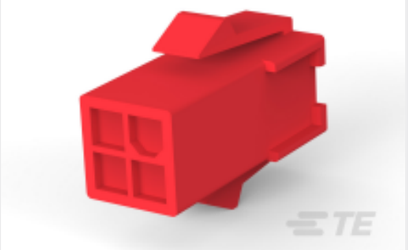
Product Compliance Disclaimer

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



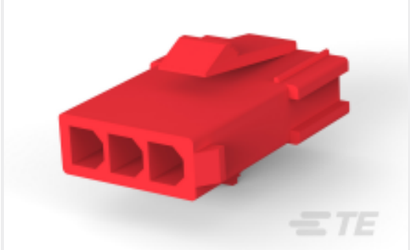
TE Part # 1-172336-2
UNIVERSAL MATE-N-LOK PLUG 2P



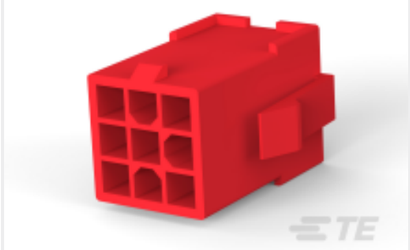
TE Part # 1-172159-2
MINI UNIVERSAL M-N-L CAP 4P



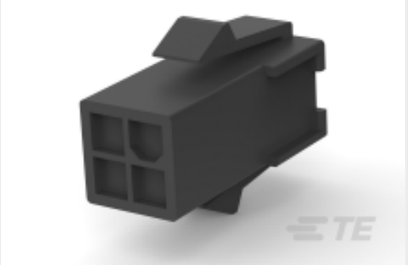
TE Part # 1-172330-9
UNIVERSAL MATE-N-LOK CAP 4P



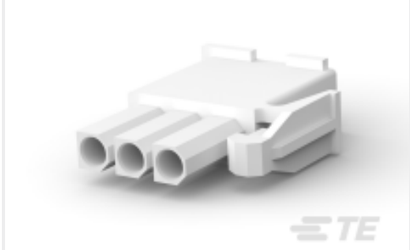
TE Part # 1-172158-2
MINI-U-M-N-L 3P CAP RED



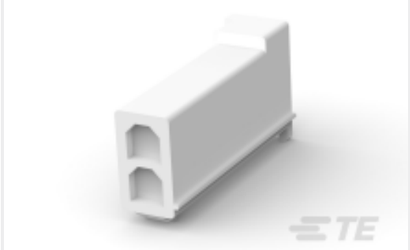
TE Part # 1-172332-9
MUMNL PM CAP 9P



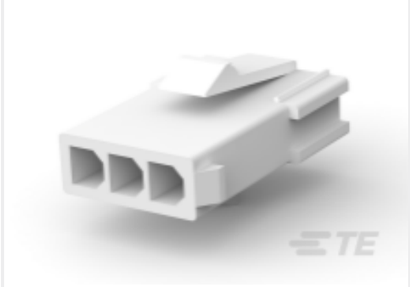
TE Part # 1-172159-9
MINI UNIVERSAL M-N-L CAP 4P



TE Part # 172166-1
3 CIR UNIV M-N-L PLUG



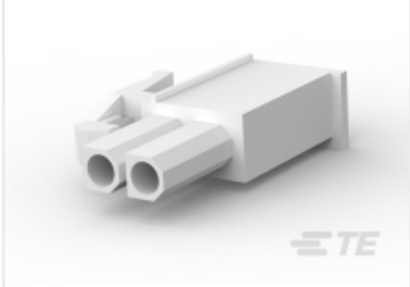
TE Part # 172343-1
MINI UNIVERSAL M-N-L HOUSING



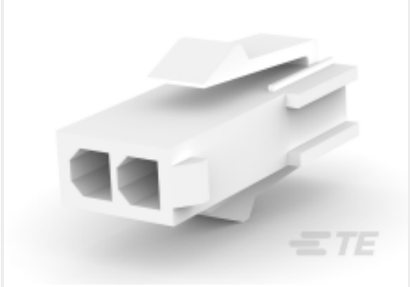
TE Part # 172158-1
3 CIR UNIV M-N-L CAP



TE Part # 172162-1
12 CIR UNIV M-N-L CAP



TE Part # 172165-1
2 CIR UNIV M-N-L PLUG NATL



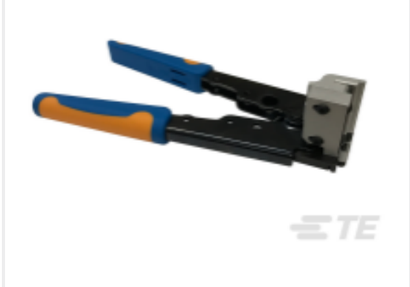
TE Part # 172328-1
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 2P



TE Part # 172327-1
UNIV M-N-L HSG



TE Part # 172171-1
15 CIR UNIV M-N-L PLUG



TE Part # 2305570-1
Strip Terminal Cutter-Side Feed-No Crimp



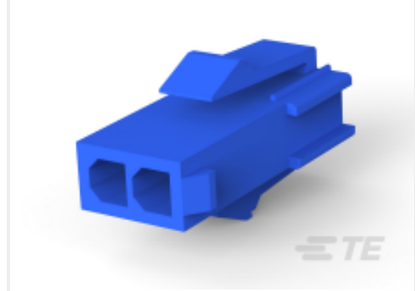
TE Part # 1-172164-2
MINI UNIVERSAL M-N-L PLUG 1P



TE Part # 1-172169-9
9 POS TR MINI UNIV



TE Part # 1-172169-2
MINI UNIVERSAL M-N-L PLUG 9P



TE Part # 1-172157-6
2CIR MINI U-M-N-L CAP BLUE



TE Part # 1-172158-6
MINI-U-M-N-L 3P CAP BLUE

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



Connector Caps & Covers(2)



Connector Contacts(89)



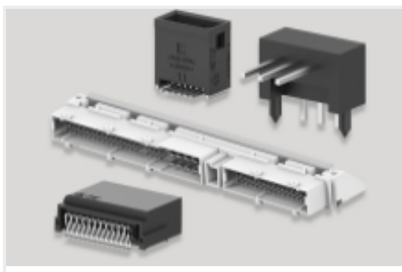
Connector Seals & Cavity Plugs(17)



Connector Strain Relief(2)



Insertion & Extraction Tools(1)



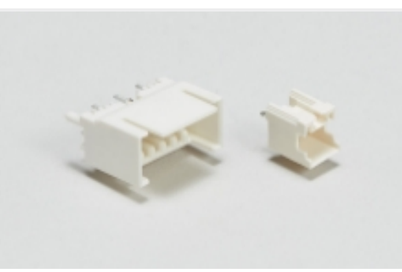
PCB Headers & Receptacles(93)



Power Contacts(89)



Rectangular Power Connectors(196)



Wire-to-Board Headers & Receptacles (93)

Customers Also Bought



TE Part #800471-SF
FN350-30-33



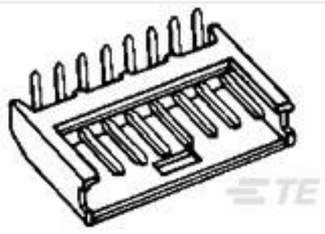
TE Part #42037
RING TERMINAL 22-18 AWG TPBR



TE Part #5-104450-5
06 MTE HDR SRST LATCH W/HLDWN



TE Part #6-192038-0
LA3 .280, .008, SILVER PL



TE Part #280381-1
10P MODU II SHRD HDR, RT ANG, TIN



TE Part #926209-5
LOCKING CLIP HSG.



TE Part #2-1445099-3
MICRO MNL HDR ASSY S/ROW LF

TE Part #634051N002
202K121-25/225-0-CS6939

TE Part #864607N002
202K142-25/225-0-CS6939

TE Part #M3431-000006-01KPG
PRESS XDCR M3431-000006-01KPG

Documents

Product Drawings

MINI UNIVERSAL M-N-L PIN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_170359-3_N_c-170359-3-n.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_170359-3_N_c-170359-3-n.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_170359-3_N_c-170359-3-n.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

Crimping of Mini-Universal MATE-N-LOK Contact

Japanese

Application Specification

Japanese

Instruction Sheets

Instruction Sheet (non U.S.)

Japanese

Mini-Universal MATE-N-LOK Connector

Japanese

Agency Approvals

UL Report

English