1-172165-9 ✔ ACTIVE

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

TE Internal #: 1-172165-9

Housing, Plug, Wire-to-Wire, 2 Position, 4.2 mm [.165 in] Centerline, Wire & Cable, UL 94V-0, Mini-Universal MATE-N-LOK, Rectangular Power Connectors

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors







EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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	Plug
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

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

Electrical Characteristics

Operating Voltage	600 VDC

Contact Features

Multiple Contact Types	Without
Contact Layout	Inline
Contact Retention Within Housing	Without
Contact Type	Socket

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Panel Mount Feature	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	4.2 mm[.165 in]
Housing Color	Black
Housing Material	Nylon 66

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Identification Marking

Circuit Identification Feature	With

Industry Standards

Compatible With Agency/Standards Products	UL, CSA
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
CSA Rating	LR 7189, Certified
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	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

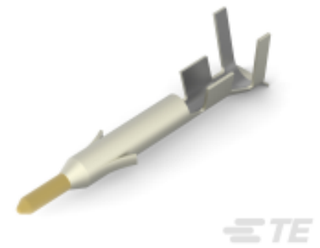
Compatible Parts



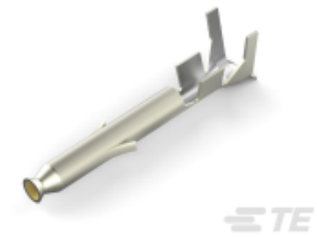
TE Part # 1-770988-1
MINI UMNL SOK 22-18AWG LP LF



TE Part # 1-770985-0
MINI UMNL PIN 26-22AWG AU LP



TE Part # 1-770987-0
MINI UMNL PIN 22-18 AWG AU LP



TE Part # 770988-3
MINI UMNL SOK 22-18AWG AU LP



TE Part # 1-794059-0
MINI UMNL PIN L/P LF



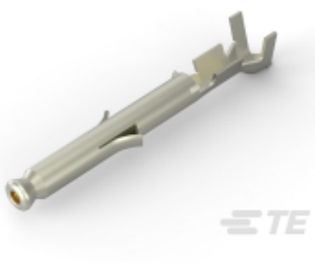
TE Part # 770988-1
MINI UMNL SOK 22-18AWG SN LP



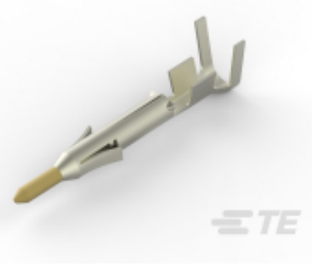
TE Part # 770986-1
MINI UMNL SOK 26-22AWG SN LP



TE Part # 794058-1
MINI UMNL SOK L/P



TE Part # 170365-3
MINI UNIVERSAL M-N-L SOCKET LP



TE Part # 170364-3
MINI UNIVERSAL M-N-L PIN LP



TE Part # 770985-1
MINI UMNL PIN 26-22AWG SN LP



TE Part # 1-794407-1
MINI UMNL SOK 20-16 AWG AU LF



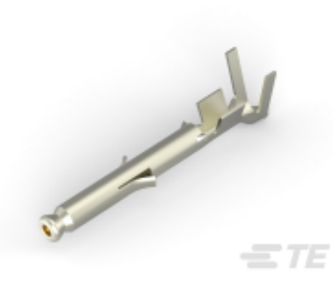
TE Part # 171638-1
MINI U-M-N-L PIN CONT. L.P



TE Part # 171639-1
MINI U-M-N-L SOCKET L.P



TE Part # 770903-3
MINI UMNL PIN 22-18 AWG AU



TE Part # 170366-3
MINI UNIVERSAL M-N-L SOCKET LP



TE Part # 794059-1
MINI UMNL PIN L/P



TE Part # 170364-1
MINI UNIVERSAL M-N-L PIN LP



TE Part # 1-770902-1
MINI UMNL SOK 26-22 AWG AU LF



TE Part # 170366-1
MINI UNIVERSAL M-N-L SOCKET LP

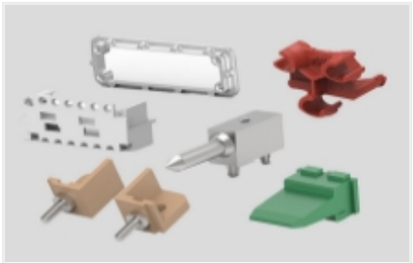
Also in the Series | Mini-Universal MATE-N-LOK



Connector Caps & Covers(2)



Connector Contacts(89)



Connector Hardware(4)



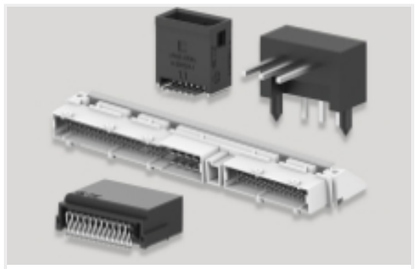
Connector Seals & Cavity Plugs(17)



Connector Strain Relief(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(93)

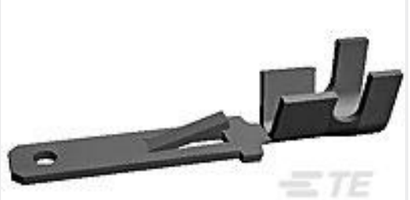


Rectangular Power Connectors(104)

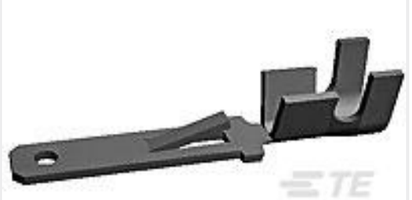
Customers Also Bought



TE Part #171638-1
MINI U-M-N-L PIN CONT. L.P



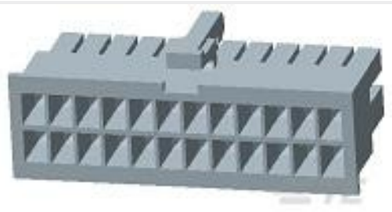
TE Part #928962-4
FF 250 TAB 17-13 AWG .016 TPBR



TE Part #928962-2
FF 250 TAB 1.0-2.5MM2 TBR



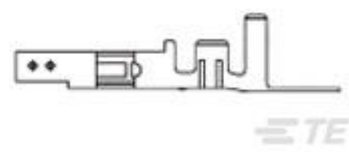
TE Part #1-172167-9
4 POS SR MINI UNIV



TE Part #1969614-6
6P RCPT VAL-U-LOK V0



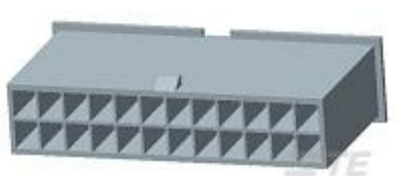
TE Part #1-172159-9
MINI UNIVERSAL M-N-L CAP 4P



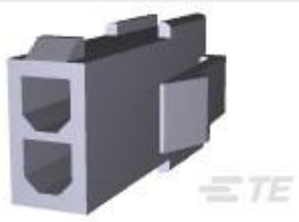
TE Part #2238019-1
VAL-U-LOK SKT BR SN 22-26AWG



TE Part #170362-1
UNIV M-N-L SOC. 22-18 AWG



TE Part #1969612-6
6P FH PLUG VAL-U-LOK V0



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

Documents

Product Drawings

2CIR MINI U-M-N-L PLUG BLCK

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-172165-9_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-172165-9_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-172165-9_H.3d_stp.zip

English

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Product Specifications

Engineering Report

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English