1-172161-9 ✔ ACTIVE

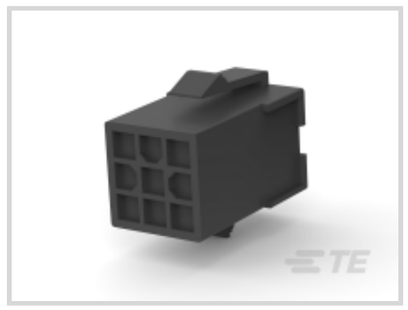
MATE-N-LOK | Mini-Universal MATE-N-LOK

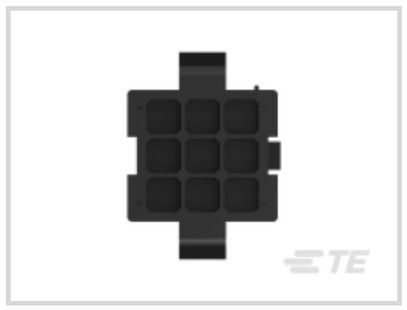
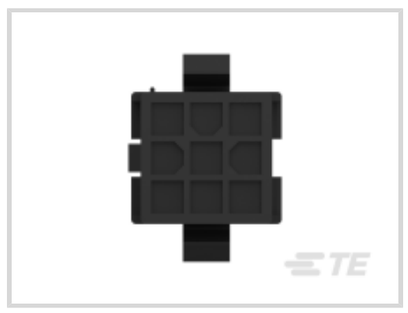
TE Internal #: 1-172161-9

9 Position, Cap, Housing, Crimp, Wire-to-Panel / Wire-to-Wire, UL 94V-0, 4.2 mm [.165 in] Centerline, 3 Row, 600 VAC, Mini-Universal MATE-N-LOK

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Housing**

Connector & Housing Type: **Cap**

Termination Method to Wire & Cable: **Crimp**

Connector System: **Wire-to-Panel, Wire-to-Wire**

Contact Retention Within Housing: **Without**

Features

Product Type Features

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

Configuration Features

Number of Positions	9
Number of Rows	3

Electrical Characteristics

Operating Voltage	600 VDC

Body Features

Primary Product Color	Black

Contact Features

Multiple Contact Types	Without
Contact Layout	Matrix
Contact Retention Within Housing	Without
Contact Type	Pin

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Panel Mount Feature	With
Panel Mount Feature Type	Mounting Ears
Connector Mounting Type	Panel Mount

Housing Features

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

Dimensions

Panel Thickness (Recommended)	.8 – 2 mm[.031 – .078 in]
Connector Width	14 mm
Connector Length	16 mm
Row-to-Row Spacing	4.2 mm[.165 in]

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	CSA, UL
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
CSA Rating	Certified, LR 7189
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	500
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 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 # 170359-3
MINI UNIVERSAL M-N-L PIN



TE Part # 170361-3
MINI UNIVERSAL M-N-L SOCKET



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



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



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



TE Part # 170366-4
MINI UNIVERSAL M-N-L SOCKET LP



TE Part # 1-770903-1
MINI UMNL PIN 22-18 AWG AU LF



TE Part # 1-770834-0
MINI UMNL SOK AU LF



TE Part # 1-770988-0
MINI UMNL SOK 22-18AWG AU



TE Part # 1-794407-0
MINI UMNL SOK 20-16 AWG AU LF



TE Part # 170361-4
UNIV. M-N-L SOC.



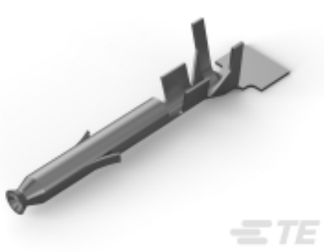
TE Part # 794407-1
MINI UNML SCKT 20-16 AWG SN



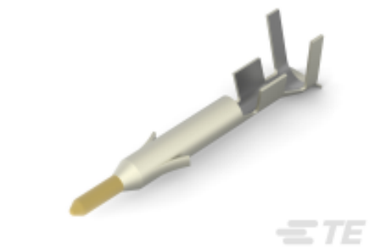
TE Part # 770903-1
MINI UMNL PIN 22-18 AWG SN



TE Part # 770835-1
MINI UMNL PIN SN



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



TE Part # 770987-3
MINI UMNL PIN 22-18 AWG AU LP



TE Part # 770904-6
MINI UMNL SOK CONT 22-18AWG AU



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



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



TE Part # 770901-1
MINI UMNL PIN 26-22 AWG SN

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



Connector Caps & Covers(2)



Connector Contacts(89)



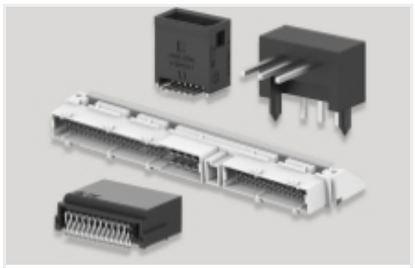
Connector Seals & Cavity Plugs(17)



Connector Strain Relief(2)



Insertion & Extraction Tools(1)



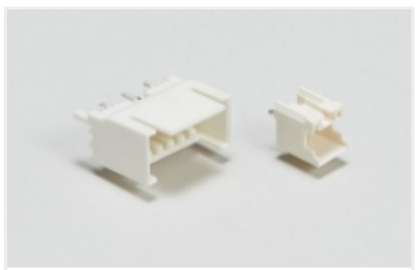
PCB Headers & Receptacles(93)



Power Contacts(89)



Rectangular Power Connectors(196)



Wire-to-Board Headers & Receptacles (93)

Customers Also Bought



TE Part #801869-SF
FN3280H-36-33



TE Part #170359-1
UNIV M-N-L PIN 26-22 AWG



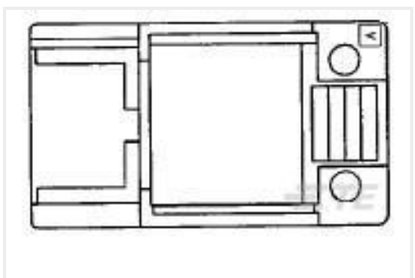
TE Part #170361-1
UNIV M-N-L SOC. 26-22 AWG



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



TE Part #316454-1
M-U-M-N-L PLUG CABLE CLAMP



TE Part #316455-1
M-U-M-N-L CAP CABLE CLAMP



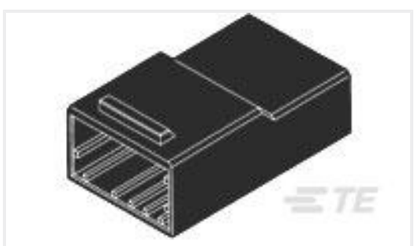
TE Part #1-770834-0
MINI UMNL SOK AU LF



TE Part #1318127-2
DYNAMIC D2100 HDR V ASSY 20P



TE Part #1-1827864-6
DYNAMIC 1200D REC HSG 12P X BLACK



TE Part #1-2069682-5
DYNAMIC 1100D TAB HSG 10P F/H X

Documents

Product Drawings

MINI UNIVERSAL M-N-L CAP 9P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-172161-9_M.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-172161-9_M.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-172161-9_M.3d_stp.zip

English

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

Product Specifications

Engineering Report

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English