1-172162-2 ✔ ACTIVE

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

TE Internal #: 1-172162-2

Mini-Universal MATE-N-LOK, Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire / Wire-to-Panel, 12 Position, 4.2 mm [.165in] Centerline

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **12**

Centerline (Pitch): **4.2 mm [.165 in]**

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Panel, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	12
Number of Rows	3

Electrical Characteristics

Operating Voltage	600 VDC

Contact Features

Contact Layout	Matrix
Multiple Contact Types	Without
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 Color	Black
Housing Material	Nylon 66

Dimensions

Row-to-Row Spacing	4.2 mm[.165 in]
Width	18.2 mm
Panel Thickness	.8 – 2 mm[.031 – .078 in]
Length	23.7 mm

Usage Conditions

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

Operation/Application

Assembly Integration Feature	Without
Circuit Application	Power & Signal

Identification Marking

Circuit Identification Feature	With

Industry Standards

CSA Rating	Certified
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	E28476
Agency/Standard	CSA, UL
UL Rating	Recognized
CSA File Number	LR7189

VDE Tested	No

Packaging Features

Packaging Method	Bag
Packaging Quantity	500

Other

For Use With	Mini-Universal MATE-N-LOK Cap Housing

Product Compliance

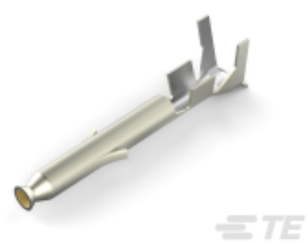
For compliance documentation, visit the product page on TE.com>

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 2021 (211) Candidate List Declared Against: JAN 2020 (205) SVHC > Threshold: Not Yet Reviewed
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

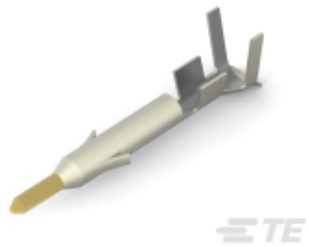
Product Compliance Disclaimer

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

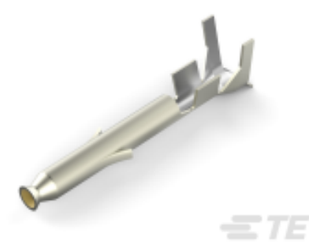
Compatible Parts



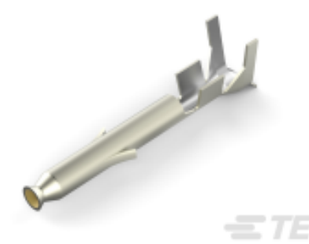
TE Part # 1-770988-1
MINI UMNL SOK 22-18AWG LP LF



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



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



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



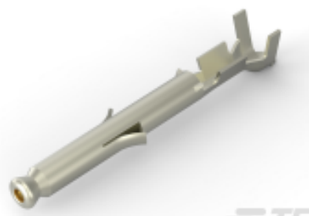
TE Part # 1-794059-0
MINI UMNL PIN L/P LF



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



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



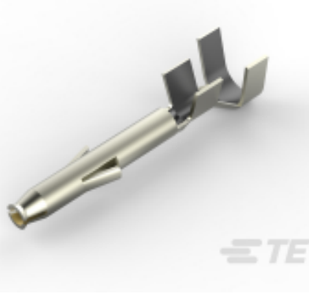
TE Part # 170365-3
MINI UNIVERSAL M-N-L SOCKET LP



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



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



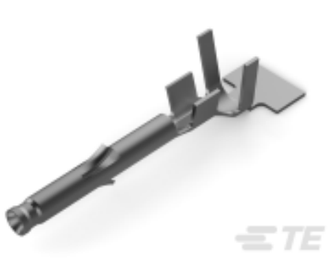
TE Part # 1-794407-1
MINI UMNL SOK 20-16 AWG AU LF



TE Part # 170363-3
MINI UNIVERSAL M-N-L PIN LP



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

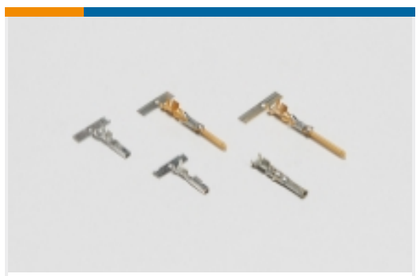
Also in the Series | Mini-Universal MATE-N-LOK



Connector Contacts(11)



Insertion & Extraction Tools(1)



Power Contacts(85)



Rectangular Backshells & Clamps(2)



Rectangular Boots & Strain Relief(2)



Rectangular Connector Keying Plugs(2)



Rectangular Connector Locking(1)



Rectangular Connector Seals(18)



Rectangular Power Connectors(285)



Wire-to-Board Headers & Receptacles (1)

Customers Also Bought



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



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



TE Part #1-172165-9
2CIR MINI U-M-N-L PLUG BLCK



TE Part #1-172165-2
2CIR MINI U-M-N-L PLUG RED



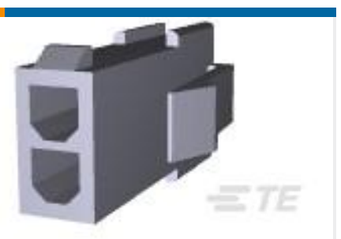
TE Part #1-172160-9
MINI UNIVERSAL M-N-L CAP 6P



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



TE Part #E77815-000
B-155-1503



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



TE Part #1-172160-2
MINI UNIVERSAL M-N-L CAP 6P



TE Part #1-172168-2
MINI UNIVERSAL M-N-L PLUG 6P

Documents

Product Drawings

12 POS TR MINI UNIV

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-172162-2_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-172162-2_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-172162-2_K.3d_stp.zip

English

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Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

Agency Approval Document

English