



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

TE Internal #: 172163-1
Mini-Universal MATE-N-LOK, Rectangular Power Connectors,
Housing, Receptacle, Wire-to-Panel / Wire-to-Wire, 15 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: **15**
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	15
Number of Rows	3

Electrical Characteristics

Operating Voltage	600 VDC
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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	Natural
Housing Material	Nylon 66
Dimensions	
Row-to-Row Spacing	4.2 mm[.165 in]
Width	14.55 mm
Panel Thickness	.8 – 2 mm[.8 – 2 in]
Length	27.5 mm
Usage Conditions	
Operating Temperature Range	-20 – 105 °C[-4 – 221 °F]
Operation/Application	
Assembly Integration Feature	Without
Circuit Application	Power & Signal
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
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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 2021 (211) 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 # 1-770987-0
MINI UMNL PIN 22-18 AWG AU LP

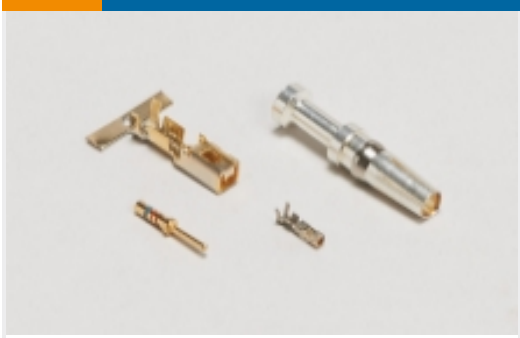
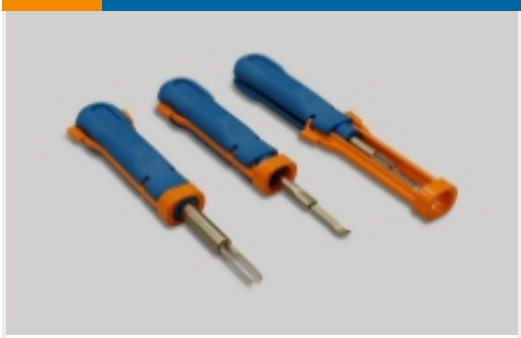
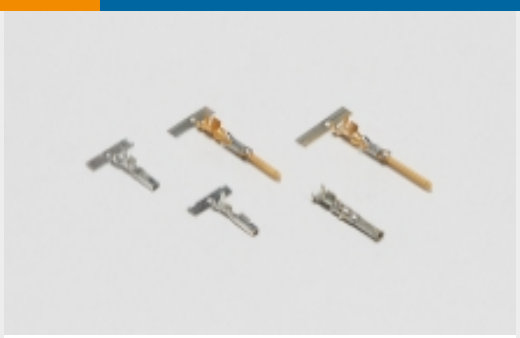
TE Part # 770988-3
MINI UMNL SOK 22-18AWG AU LP

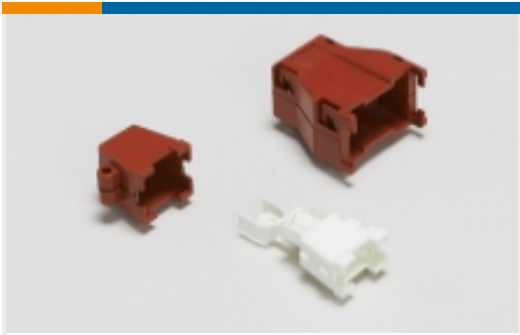
TE Part # 1-770988-0
MINI UMNL SOK 22-18AWG AU



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

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

 Connector Contacts(11)	 Insertion & Extraction Tools(1)	 Power Contacts(85)	 Rectangular Backshells & Clamps(2)
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Rectangular Boots & Strain Relief(2)



Rectangular Connector Keying Plugs(2)



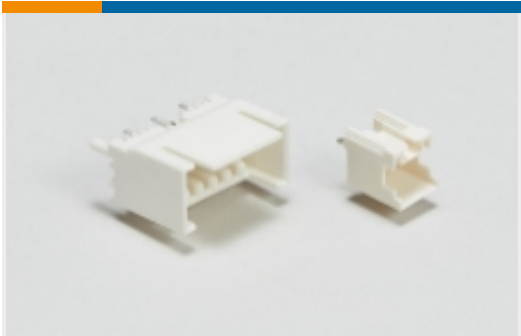
Rectangular Connector Locking(1)



Rectangular Connector Seals(18)

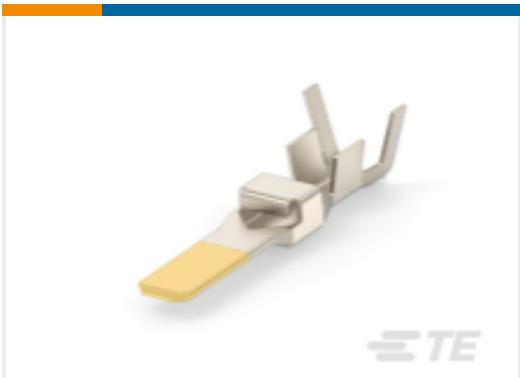


Rectangular Power Connectors(285)



Wire-to-Board Headers & Receptacles (1)

Customers Also Bought



TE Part #917805-2
DYNAMIC 5000 REC AND TAB CONT



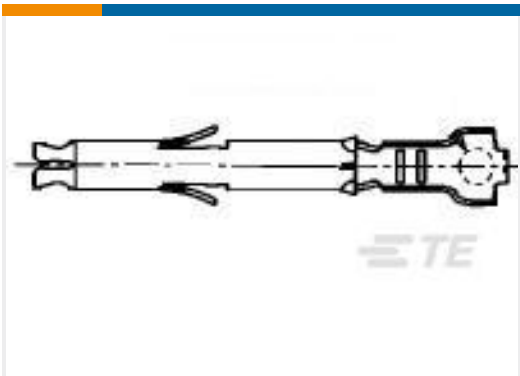
TE Part #1-178288-5
DYNAMIC 3100 REC AND TAB HSG



TE Part #1-2308350-1
CRIMP BARREL



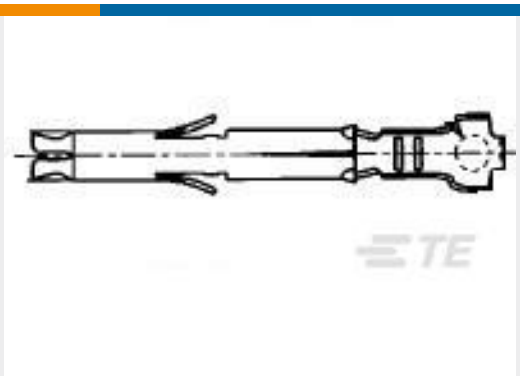
TE Part #170364-1
MINI UNIVERSAL M-N-L PIN LP



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



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



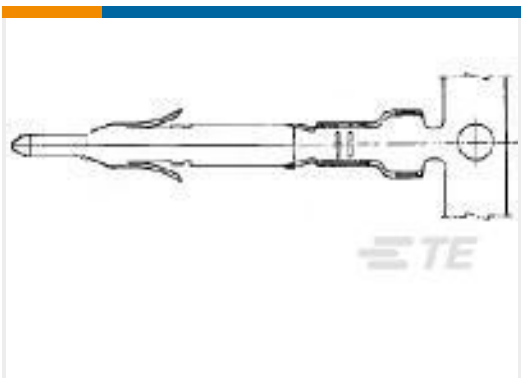
TE Part #170365-1
MINI UNIVERSAL M-N-L SOCKET LP



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



TE Part #1-917807-2
DYNAMIC 5000 REC AND TAB HSG



TE Part #170363-1
MINI UNIVERSAL M-N-L PIN LP

Documents



Product Drawings

15 CIR UNIV M-N-L CAP

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_172163-1_L.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_172163-1_L.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_172163-1_L.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_172163-1_0606201876_dmtec

English

MD_172163-1_0606201876_dmtec

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

Agency Approval Document

English

Agency Approval Document

English