

172162-1 ✓ ACTIVE

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

TE Internal #: 172162-1

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

[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

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	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

### 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: JUNE 2022 (224)  
Candidate List Declared Against: JUNE 2022 (224)  
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 # 1-794059-0  
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 # 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 # 172170-1  
12 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. LP



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



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



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




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

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




Connector Contacts(11)



Insertion & Extraction Tools(1)



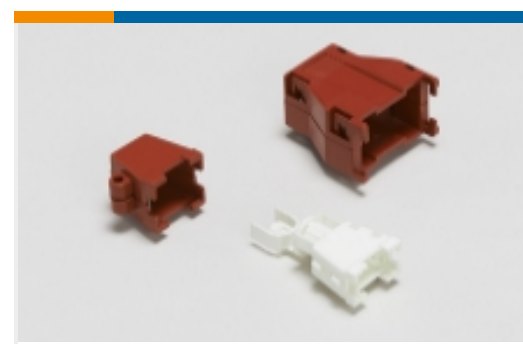
PCB Headers & Receptacles(1)



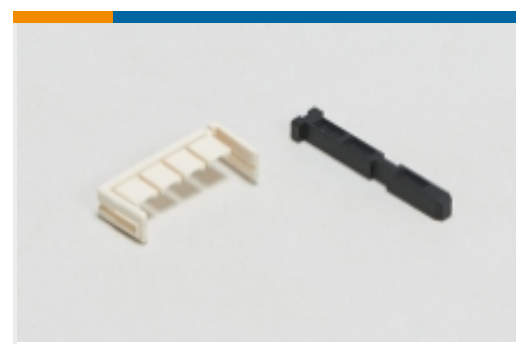
Power Contacts(85)



Rectangular Backshells &amp; Clamps(2)



Rectangular Boots &amp; Strain Relief(2)



Rectangular Connector Keying Plugs(2)



Rectangular Connector Locking(2)



Rectangular Connector Seals(20)



Rectangular Power Connectors(283)

## Documents

### Product Drawings

12 CIR UNIV M-N-L CAP

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_172162-1\\_K.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_172162-1\\_K.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_172162-1\\_K.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

[1-1773458-0\\_MINI\\_UNIVERSAL\\_MATE\\_N\\_LOK\\_CONNECTOR\\_SYSTEM\\_QRG](#)

English

### Product Specifications

[Application Specification](#)

English





---

**Product Environmental Compliance**

[MD\\_172162-1\\_0606201876\\_dmtec](#)

English

[MD\\_172162-1\\_0606201876\\_dmtec](#)

English

---

**Instruction Sheets**

[Instruction Sheet \(U.S.\)](#)

English

---

**Agency Approvals**

[Agency Approval Document](#)

English

[Agency Approval Document](#)

English