

172165-1 ✓ ACTIVE

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

TE Internal #: 172165-1

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 2 Position, .165 in [4.2 mm] Centerline, Wire & Cable, UL 94V-0, 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: **Plug**

Connector System: **Wire-to-Wire**

Number of Positions: **2**

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

## Features

### 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
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### Contact Features

Multiple Contact Types	Without
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Contact Layout	Inline
Contact Retention Within Housing	Without
Contact Type	Socket
<b>Termination Features</b>	
Termination Method to Wire & Cable	Crimp
<b>Mechanical Attachment</b>	
Panel Mount Feature	Without
Connector Mounting Type	Cable Mount (Free-Hanging)
<b>Housing Features</b>	
Centerline (Pitch)	4.2 mm [.165 in]
Housing Color	Natural
Housing Material	Nylon 66
<b>Usage Conditions</b>	
Operating Temperature Range	-20 – 105 °C [-4 – 221 °F]
Insertion Force	2.7 kg
<b>Operation/Application</b>	
Assembly Integration Feature	Without
Circuit Application	Power & Signal
<b>Industry Standards</b>	
CSA Rating	Certified
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
UL Rating	Recognized
Agency/Standard Number	E28476
CSA File Number	LR7189
VDE Tested	No
Agency/Standard	CSA, UL
<b>Packaging Features</b>	
Packaging Method	Bag
Packaging Quantity	1000
<b>Other</b>	

For Use With

Mini-Universal MATE-N-LOK Cap Housing  
/PC Board Pin Headers

## 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: JAN 2022 (223)  
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>

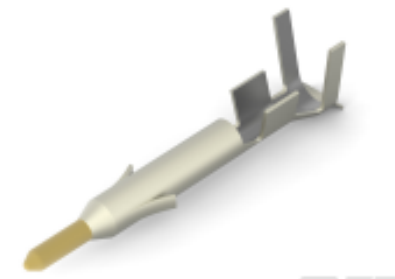
## Compatible Parts



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



TE Part # 770966-2  
02P MINI UMNL R/A HDR ASSY AU



















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



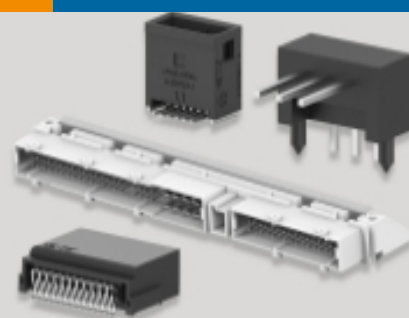



TE Part # 770166-2  
02P MINI-UMNL ASSY VO SNAU



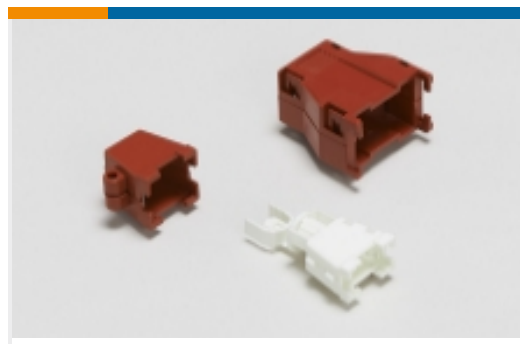
 <p>TE Part # 770988-3 MINI UMNL SOK 22-18AWG AU LP</p>	 <p>TE Part # 1-794059-0 MINI UMNL PIN L/P LF</p>	 <p>TE Part # 770988-1 MINI UMNL SOK 22-18AWG SN LP</p>	 <p>TE Part # 770986-1 MINI UMNL SOK 26-22AWG SN LP</p>
 <p>TE Part # 770166-1 02P MINI-UMNL ASSY VO SNNI*</p>	 <p>TE Part # 170365-3 MINI UNIVERSAL M-N-L SOCKET LP</p>	 <p>TE Part # 170364-3 MINI UNIVERSAL M-N-L PIN LP</p>	 <p>TE Part # 770985-1 MINI UMNL PIN 26-22AWG SN LP</p>
 <p>TE Part # 1-794407-1 MINI UMNL SOK 20-16 AWG AU LF</p>	 <p>TE Part # 170363-3 MINI UNIVERSAL M-N-L PIN LP</p>	 <p>TE Part # 171639-1 MINI U-M-N-L SOCKET L.P</p>	 <p>TE Part # 770903-3 MINI UMNL PIN 22-18 AWG AU</p>
 <p>TE Part # 170364-1 MINI UNIVERSAL M-N-L PIN LP</p>	 <p>TE Part # 1-770902-1 MINI UMNL SOK 26-22 AWG AU LF</p>	 <p>TE Part # 170366-1 MINI UNIVERSAL M-N-L SOCKET LP</p>	 <p>TE Part # 172157-1 2CIR MINI U-M-N-L CAP NATL</p>

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

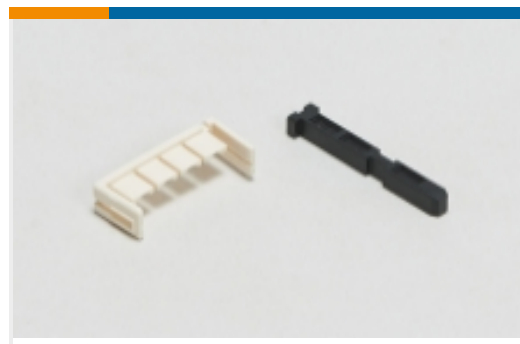
 <p>Connector Contacts(11)</p>	 <p>Insertion &amp; Extraction Tools(1)</p>	 <p>PCB Headers &amp; Receptacles(1)</p>	 <p>Power Contacts(85)</p>
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Rectangular Backshells & Clamps(2)



Rectangular Boots & Strain Relief(2)



Rectangular Connector Keying Plugs(2)



Rectangular Connector Locking(2)



Rectangular Connector Seals(20)

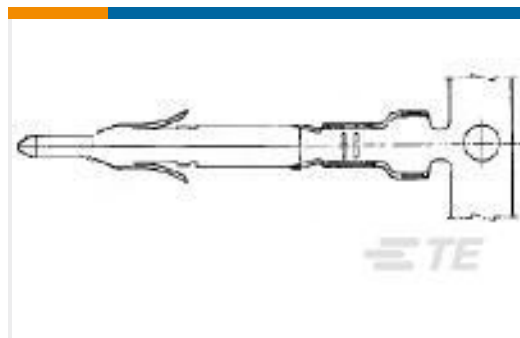


Rectangular Power Connectors(283)

### Customers Also Bought



TE Part #172158-1  
3 CIR UNIV M-N-L CAP



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



TE Part #172161-1  
9 CIR UNIV M-N-L CAP



TE Part #172169-1  
9 CIR UNIV M-N-L PLUG



TE Part #172159-1  
4 CIR UNIV M-N-L CAP



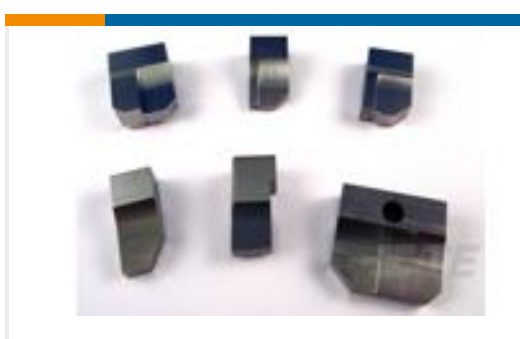
TE Part #172166-1  
3 CIR UNIV M-N-L PLUG



TE Part #172168-1  
6 CIR UNIV M-N-L PLUG



TE Part #172160-1  
6 CIR UNIV M-N-L CAP



TE Part #1333225-1  
ANVIL, COMBINATION SPECIAL



**CRIMPER** REPRESENTATION ONLY  
TE Part #2-1803365-3  
CRIMPER, INSULATION O

### Documents



### Product Drawings

#### 2 CIR UNIV M-N-L PLUG NATL

English

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### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_172165-1\\_H.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_172165-1\\_H.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_172165-1\\_H.3d\\_stp.zip](#)

English

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

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### Datasheets & Catalog Pages

#### SOFT\_SHELL\_PIN\_AND\_SOCKET\_CONNECTORS\_CATALOG

English

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

English

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### Product Specifications

#### Application Specification

English

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### Product Environmental Compliance

[MD\\_172165-1\\_0606201876\\_dmtec](#)

English

[MD\\_172165-1\\_0606201876\\_dmtec](#)

English

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### Instruction Sheets

#### Instruction Sheet (U.S.)

English

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### Agency Approvals

#### Agency Approval Document

English

#### Agency Approval Document

English

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