

172168-1 ✓ ACTIVE

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

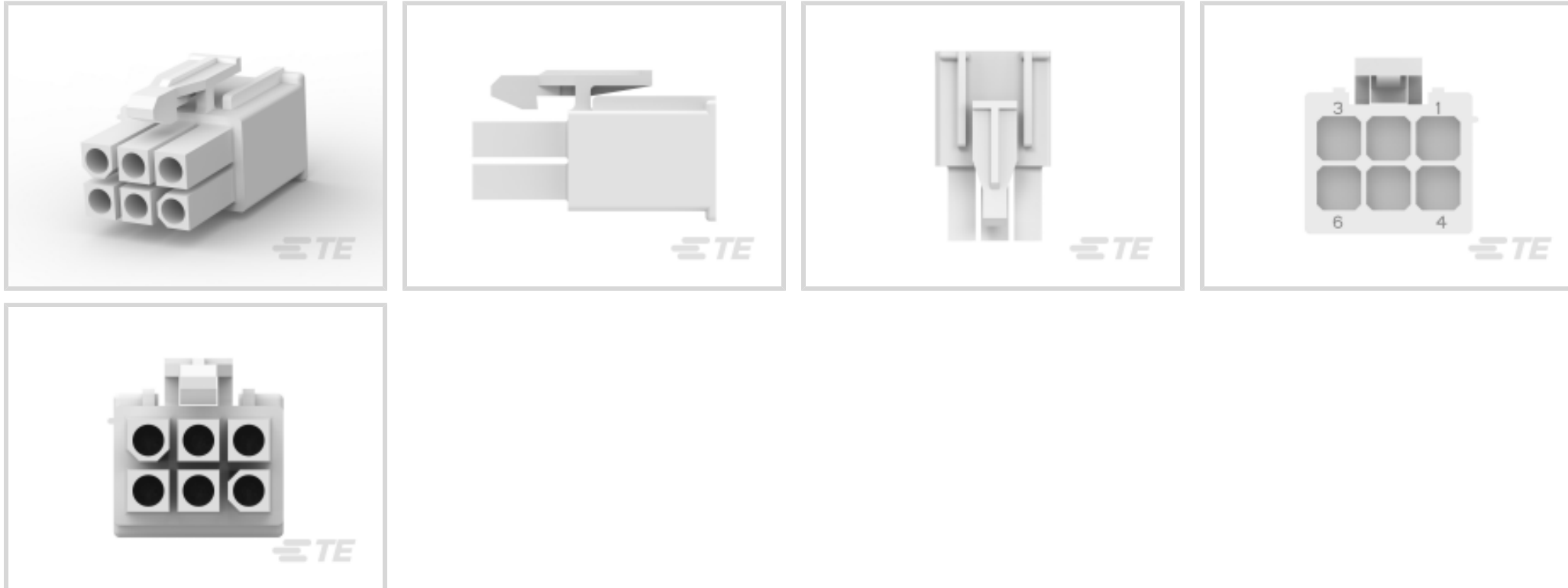
TE Internal #: 172168-1

Housing, Plug, Wire-to-Wire, 6 Position, 4.2 mm [.165 in] Centerline,  
Wire & Cable, UL 94V-0, Mini-Universal MATE-N-LOK, Rectangular  
Power Connectors

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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

## Features

### Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

### 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	6
Number of Rows	2

### Electrical Characteristics

Operating Voltage	600 VDC
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### Contact Features

Multiple Contact Types	Without
Contact Retention Within Housing	Without
Contact Type	Socket

### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

Panel Mount Feature	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

### 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]
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### Usage Conditions

Operating Temperature Range	-20 – 105 °C [-4 – 221 °F]
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### Operation/Application

Circuit Application	Power & Signal
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### Industry Standards

Compatible With Agency/Standards Products	UL, CSA
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
CSA Rating	LR 7189, Certified
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>](#)

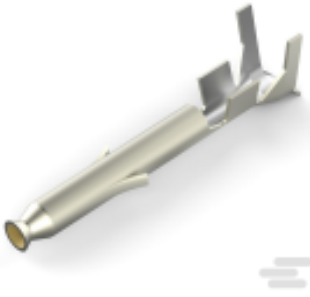
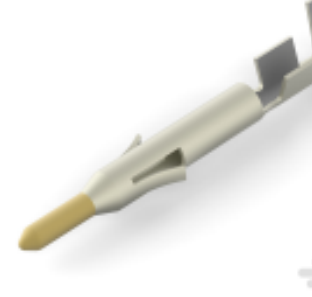






EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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



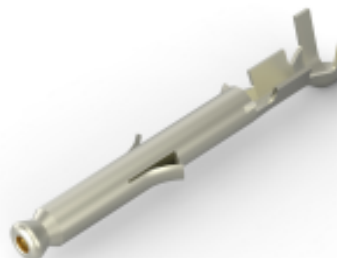
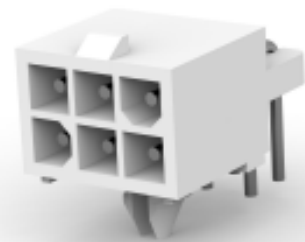



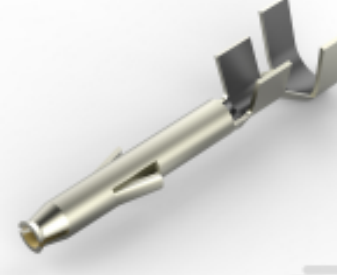



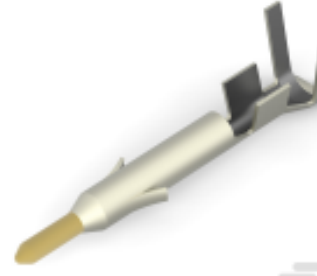
Product Compliance Disclaimer

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>



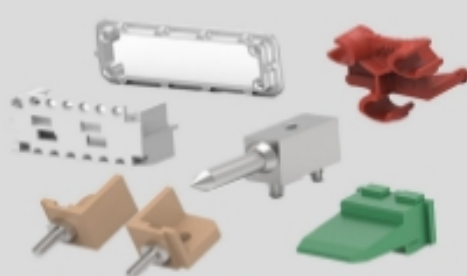



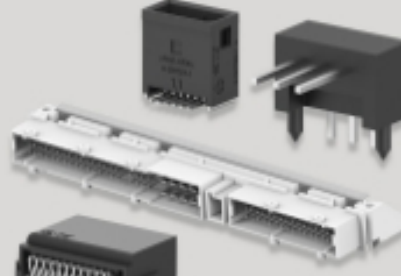

## Compatible Parts

 TE Part # 1-770988-1 MINI UMNL SOK 22-18AWG LP LF	 TE Part # 1-770985-0 MINI UMNL PIN 26-22AWG AU LP	 TE Part # 794423-1 06P MINI UMNL STR RELIEF P&CAP	 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 # 1-770969-1 06P MINI UMNL R/A HDR ASSY LF	 TE Part # 1-794059-0 MINI UMNL PIN L/P LF	 TE Part # 770988-1 MINI UMNL SOK 22-18AWG SN LP



 <p>TE Part # 770986-1 MINI UMNL SOK 26-22AWG SN LP</p>	 <p>TE Part # 794058-1 MINI UMNL SOK L/P</p>	 <p>TE Part # 170365-3 MINI UNIVERSAL M-N-L SOCKET LP</p>	 <p>TE Part # 1-770969-0 06P MINI UMNL R/A HDR ASSY SN</p>
 <p>TE Part # 170364-3 MINI UNIVERSAL M-N-L PIN LP</p>	 <p>TE Part # 1-770178-0 06P MINI-UMNL ASSY VO SNNI*</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 # 171638-1 MINI U-M-N-L PIN CONT. L/P</p>	 <p>TE Part # 1-770178-1 06P MINI UMNL ASSY VO SNAU LF</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>

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

 <p>Connector Caps &amp; Covers(2)</p>	 <p>Connector Contacts(89)</p>	 <p>Connector Hardware(4)</p>	 <p>Connector Seals &amp; Cavity Plugs(17)</p>
 <p>Connector Strain Relief(2)</p>	 <p>Insertion &amp; Extraction Tools(1)</p>	 <p>PCB Headers &amp; Receptacles(93)</p>	 <p>Rectangular Power Connectors(104)</p>

Customers Also Bought



## Documents

### Product Drawings

#### 6 CIR UNIV M-N-L PLUG

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_172168-1\\_M.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_172168-1\\_M.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_172168-1\\_M.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

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### Product Specifications

[Engineering Report](#)

English

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### Instruction Sheets

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

English

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### Agency Approvals

[Agency Approval Document](#)

English