

1-172161-9 ✓ ACTIVE

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

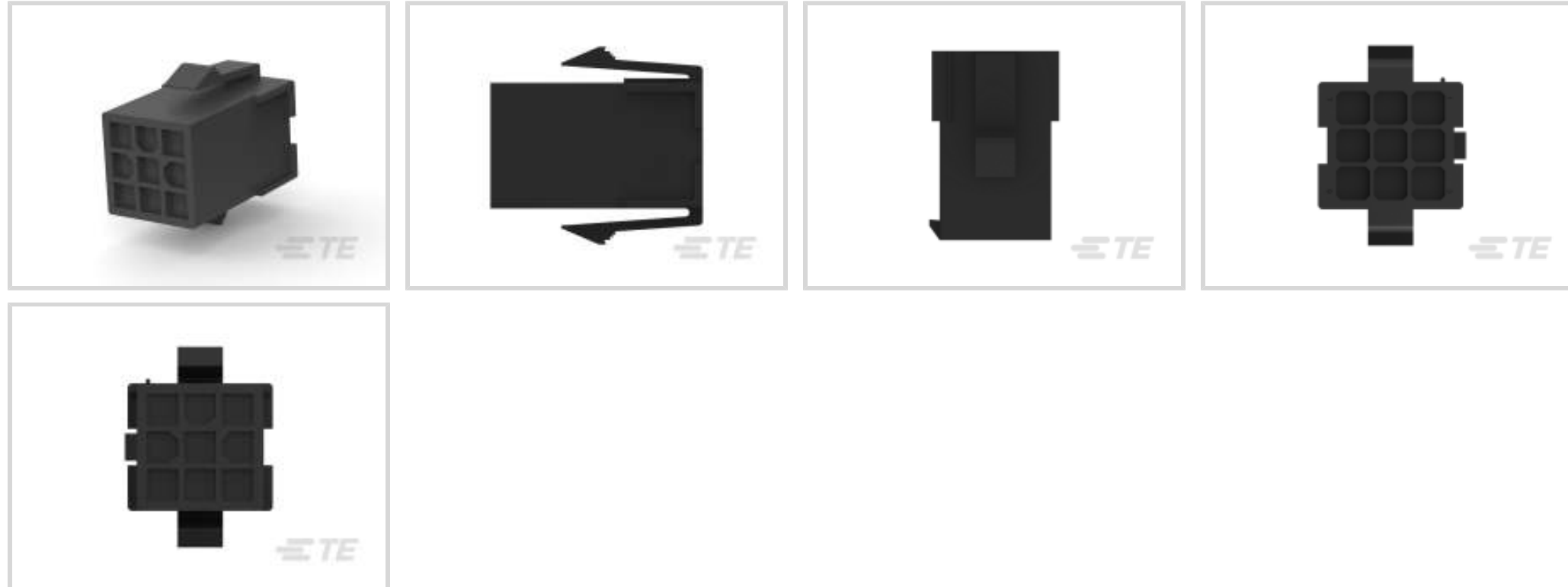
TE Internal #: 1-172161-9

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire / Wire-to-Panel, 9 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: **9**

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	9
Number of Rows	3

### Electrical Characteristics

Operating Voltage	600 VDC
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### Contact Features

Multiple Contact Types	Without
Contact Layout	Matrix
Contact Retention Within Housing	Without



Contact Type	Pin
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### Termination Features

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

Panel Mount Feature	With
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Panel Mount Feature Type	Mounting Ears
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Connector Mounting Type	Panel Mount
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### Housing Features

Centerline (Pitch)	4.2 mm [.165 in]
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Housing Color	Black
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Housing Material	Nylon 66
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### Dimensions

Panel Thickness (Recommended)	.8 – 2 mm [.031 – .078 in]
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Product Width	14 mm
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Product Length	16 mm
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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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### Identification Marking

Circuit Identification Feature	With
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### Industry Standards

CSA Rating	Certified, LR 7189
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UL Rating	Recognized
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Agency/Standard	CSA, UL
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Approved Standards	UL E28476
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UL Flammability Rating	UL 94V-0
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Glow Wire Rating	Standard Part - Not Glow Wire
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### Packaging Features

Packaging Quantity	500
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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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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


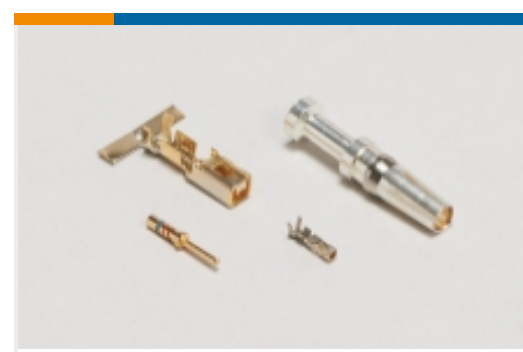


This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

 <p>TE Part # 1-770988-1 MINI UMNL SOK 22-18AWG LP LF</p>	 <p>TE Part # 1-770985-0 MINI UMNL PIN 26-22AWG AU LP</p>	 <p>TE Part # 1-770987-0 MINI UMNL PIN 22-18 AWG AU LP</p>	 <p>TE Part # 770988-3 MINI UMNL SOK 22-18AWG AU LP</p>
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 <p>TE Part # 1-770988-0 MINI UMNL SOK 22-18AWG AU</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 # 794058-1 MINI UMNL SOK L/P</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 # 316455-1 M-U-M-N-L CAP CABLE CLAMP</p>	 <p>TE Part # 171638-1 MINI U-M-N-L PIN CONT. L.P</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 # 170366-3 MINI UNIVERSAL M-N-L SOCKET LP</p>	 <p>TE Part # 794059-1 MINI UMNL PIN L/P</p>	 <p>TE Part # 170364-1 MINI UNIVERSAL M-N-L PIN LP</p>

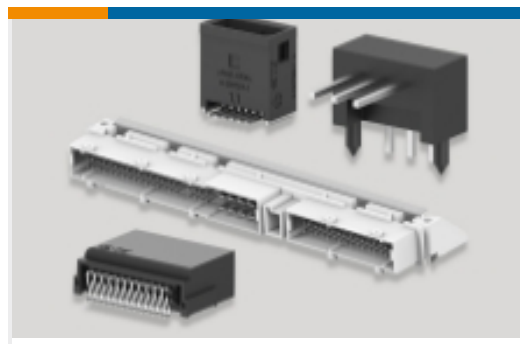
Also in the Series | **Mini-Universal MATE-N-LOK**

 <p>Connector Backshells(2)</p>	 <p>Connector Contacts(8)</p>	 <p>Connector Seals &amp; Cavity Plugs(17)</p>	 <p>Connector Strain Relief(2)</p>
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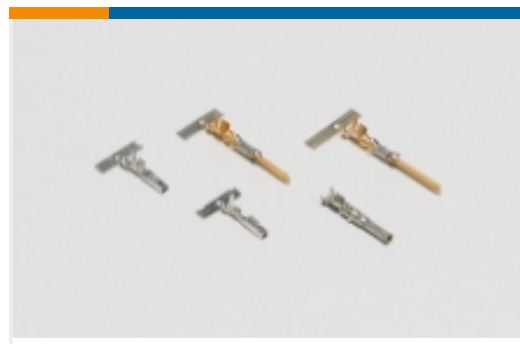




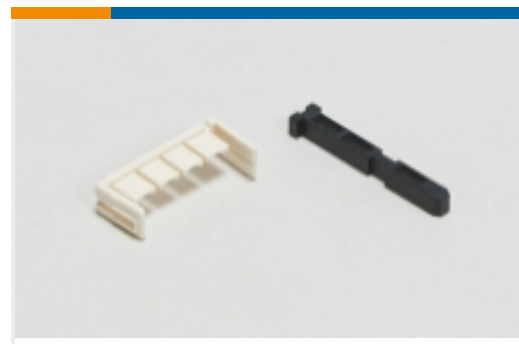
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(1)



Power Contacts(84)



Rectangular Connector Keying Plugs(2)



Rectangular Connector Locking(2)



Rectangular Power Connectors(244)

## Customers Also Bought



TE Part #1747501-2  
DYNAMIC D4200 TAB CONT M/LP



TE Part #1-1827872-0  
DYNAMIC 1100D HDR ASSY V 40PX  
BLACK GOLD



TE Part #52410-1  
PIDG SP SPD 22-16COMM22-18MIL8



TE Part #1-5750913-5  
50 50SR CABLE CONN KIT



TE Part #5749202-2  
50 50SR KIT,75D,UK



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



TE Part #170359-3  
MINI UNIVERSAL M-N-L PIN



TE Part #1-770834-0  
MINI UMNL SOK AU LF



TE Part #770985-3  
MINI UMNL PIN 26-22AWG AU LP

## Documents



### Product Drawings

#### MINI UNIVERSAL M-N-L CAP 9P

English

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### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-172161-9\\_M.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-172161-9\\_M.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-172161-9\\_M.3d\\_stp.zip](#)

English

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### Product Specifications

#### Engineering Report

English

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### Product Environmental Compliance

#### TE Material Declaration

English

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### Instruction Sheets

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

English