

172331-1 ✓ ACTIVE

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

TE Internal #: 172331-1

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire / Wire-to-Panel, 6 Position, 4.2 mm [.165 in] Centerline, Mini-Universal MATE-N-LOK

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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: **6**

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	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	Pin



### Termination Features

Termination Method to Wire & Cable	Crimp
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### 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 6/6

### Dimensions

Panel Thickness (Recommended)	.8 – 2 mm [.8 – 2 in]
Row-to-Row Spacing	4.2 mm [.165 in]

### 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

CSA Rating	Certified, LR 7189
UL Rating	Recognized
Agency/Standard	CSA, UL
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-2
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
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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

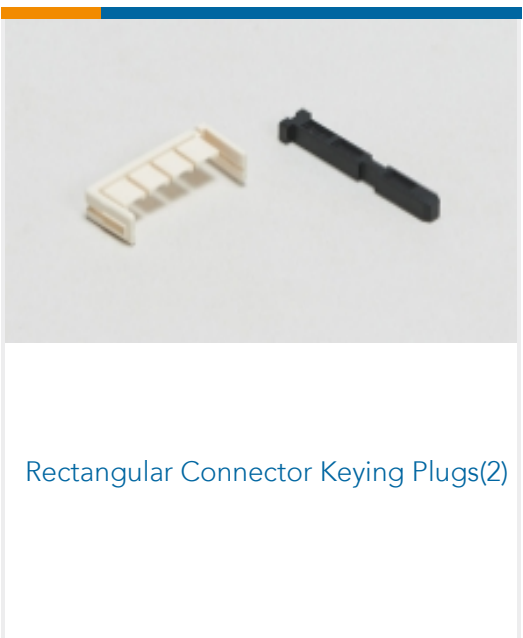
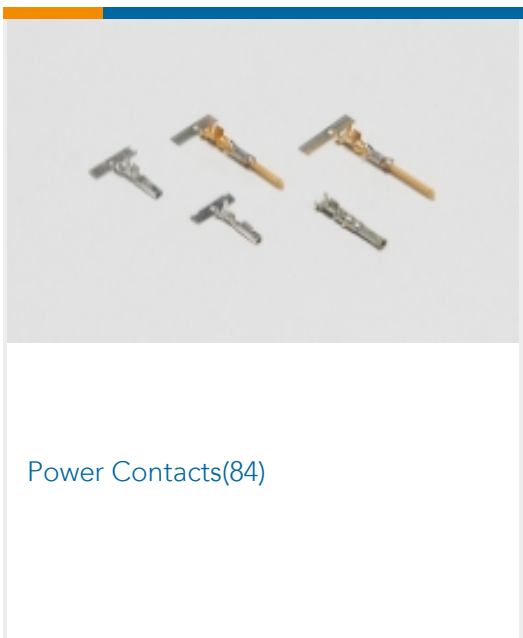
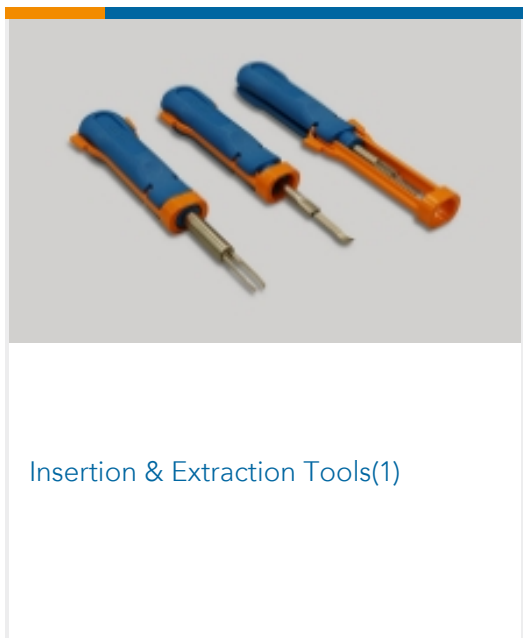
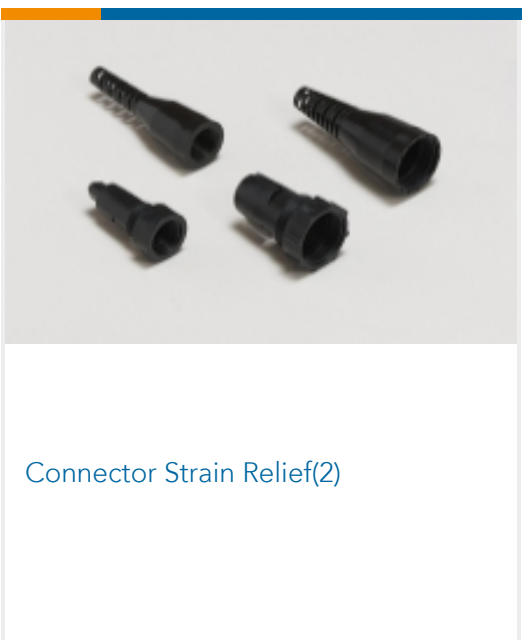
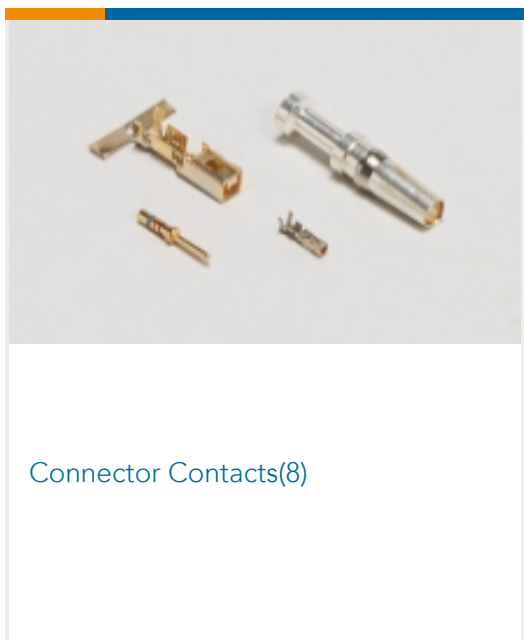
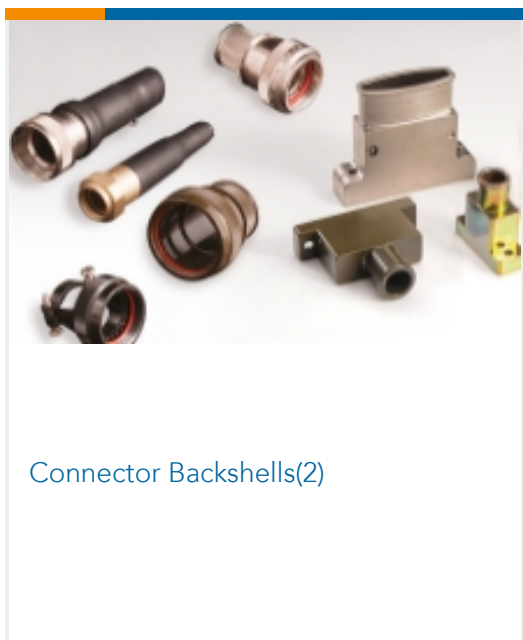
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



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





Rectangular Connector Locking(2)



Rectangular Power Connectors(244)

## Customers Also Bought



TE Part #172337-1  
MINI UMNL PLUG HOUSING 3P



TE Part #172338-1  
MINI UMNL PLUG HOUSING 4P



TE Part #172336-1  
2P MINI UMNL PLUG HOUSING



TE Part #60770-1  
RING CRIMP 18-14 AWG BR



TE Part #1-103957-3  
8X3 MTE RCPT SR LATCH .100CL



TE Part #1622602-1  
LR1L 5% R33



TE Part #928931-1  
FF 110 (2.8 X 0.8 MM) TAB SSP  
CUZN30



TE Part #1649329-4  
RTE24012



TE Part #1-1337473-0  
UHF Str Plg PS Silver Pltd RG58C/U,  
141A



TE Part #60771-3  
RING CRIMP 18-14 AWG BR

## Documents

### Product Drawings

[MINI UNIVERSAL MATE-N-LOK CAP HOUSING 6P](#)

English

### CAD Files

[3D PDF](#)

English

### Customer View Model

[ENG\\_CVM\\_172331-1\\_A1.2d\\_dxf.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_172331-1\\_A1.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_172331-1\\_A1.3d\\_stp.zip](#)

English

**3D PDF**

3D

**Customer View Model**

[ENG\\_CVM\\_CVM\\_172331-1\\_J.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_172331-1\\_J.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_172331-1\\_J.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

[SOFT\\_SHELL\\_PIN\\_AND\\_SOCKET\\_CONNECTORS\\_CATALOG](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Product Environmental Compliance

[Product Compliance Document](#)

English

[Product Compliance Document](#)

English

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### Instruction Sheets

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

English

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

English

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### Agency Approvals

[Agency Approval Document](#)

English