

1-172165-2 ✓ ACTIVE

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

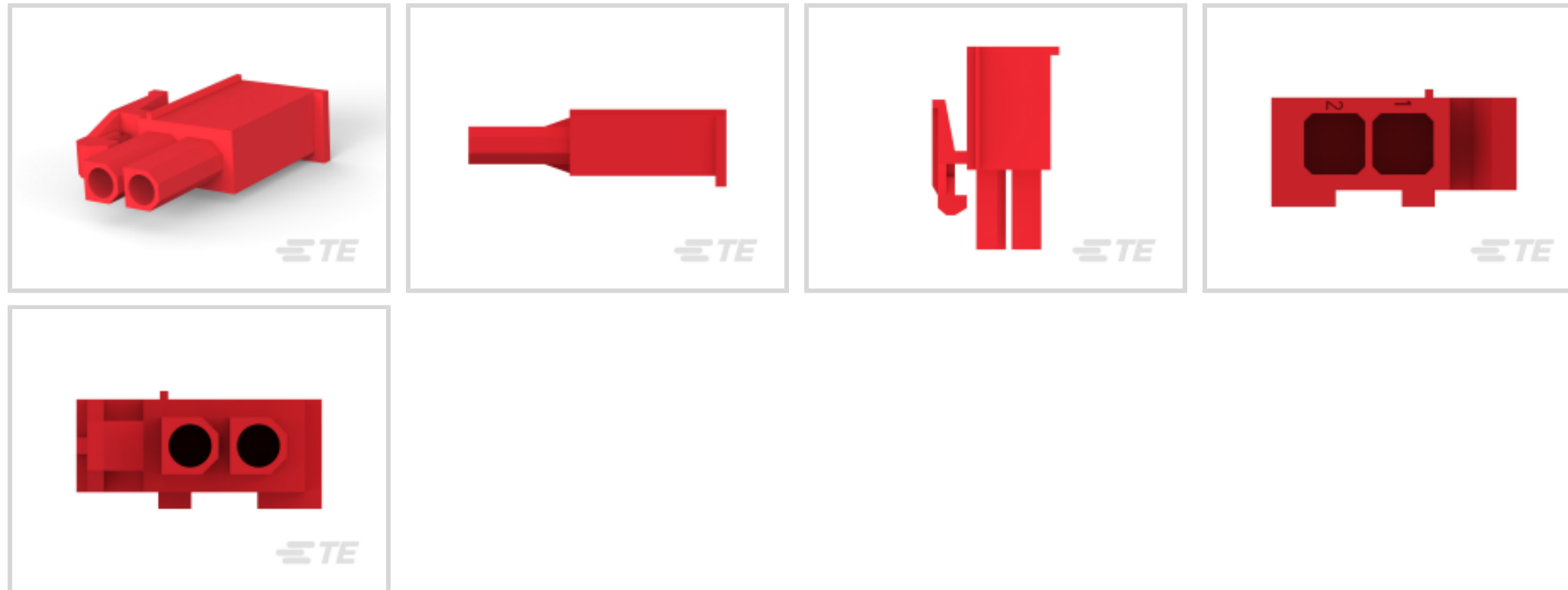
TE Internal #: 1-172165-2

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 2 Position, 4.2 mm [.165 in] 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

Contact Layout	Inline
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Multiple Contact Types	Without
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	Red
Housing Material	Nylon 66
<b>Dimensions</b>	
Width	10.8 mm
Length	23.7 mm
<b>Usage Conditions</b>	
Operating Temperature Range	-20 – 105 °C [-4 – 221 °F]
<b>Operation/Application</b>	
Assembly Integration Feature	Without
Circuit Application	Power & Signal
<b>Identification Marking</b>	
Circuit Identification Feature	With
<b>Industry Standards</b>	
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	1000

### Other

For Use With	Mini-Universal MATE-N-LOK Plug Housing
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

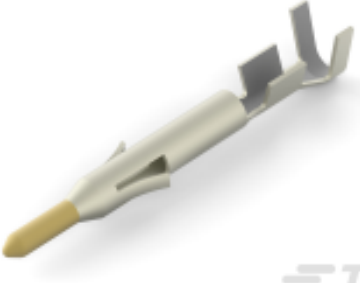
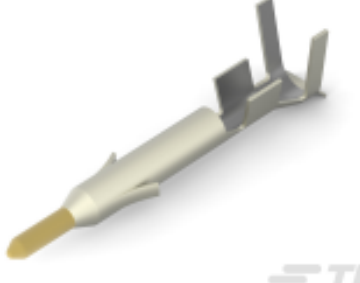
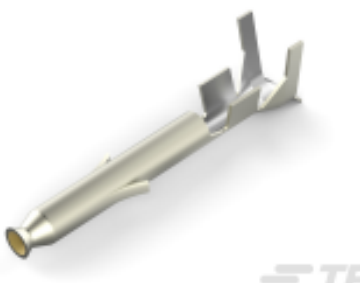
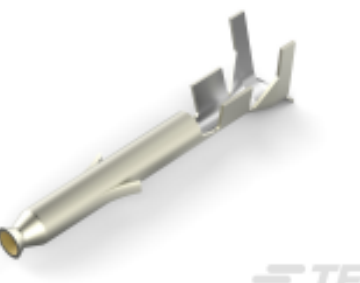




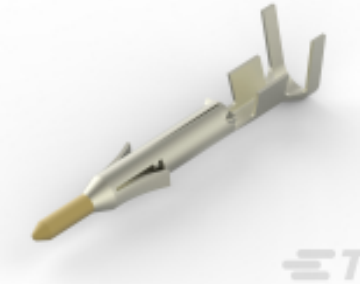



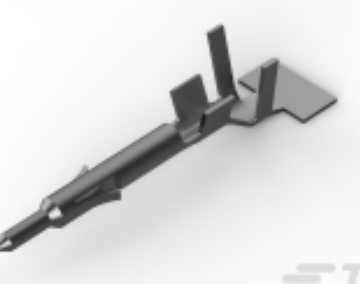
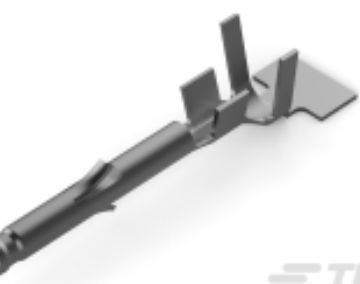
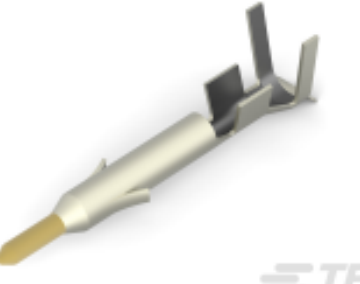
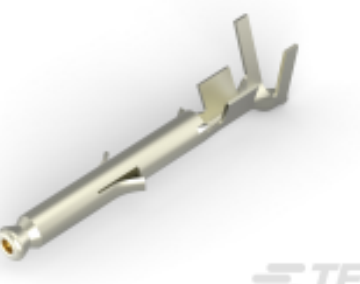




EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does 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

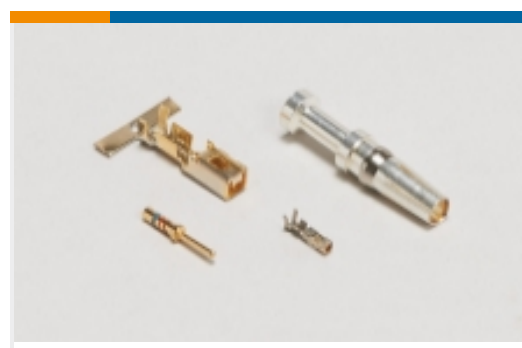
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

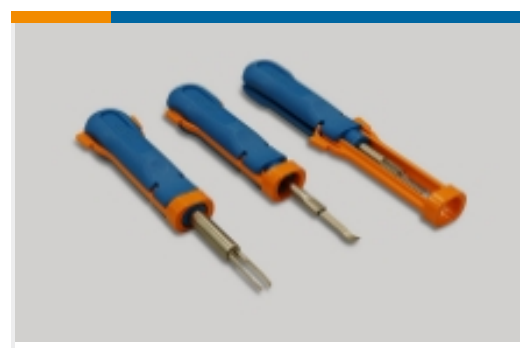


 <p>TE Part # 1-770985-0 MINI UMNL PIN 26-22AWG AU LP</p>	 <p>TE Part # 1-770987-0 MINI UMNL PIN 22-18 AWG AU LP</p>	 <p>TE Part # 770988-3 MINI UMNL SOK 22-18AWG AU LP</p>	 <p>TE Part # 1-770988-0 MINI UMNL SOK 22-18AWG AU</p>
 <p>TE Part # 1-794059-0 MINI UMNL PIN L/P LF</p>	 <p>TE Part # 770988-1 MINI UMNL SOK 22-18AWG SN LP</p>	 <p>TE Part # 770986-1 MINI UMNL SOK 26-22AWG SN LP</p>	 <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 # 171638-1 MINI U-M-N-L PIN CONT. LP</p>	 <p>TE Part # 171639-1 MINI U-M-N-L SOCKET LP</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 # 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 # 170363-1 MINI UNIVERSAL M-N-L PIN LP</p>

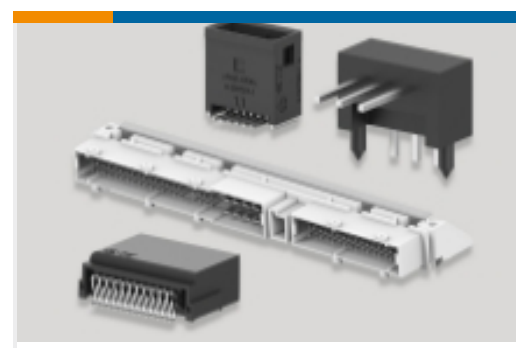
Also in the Series | [Mini-Universal MATE-N-LOK](#)



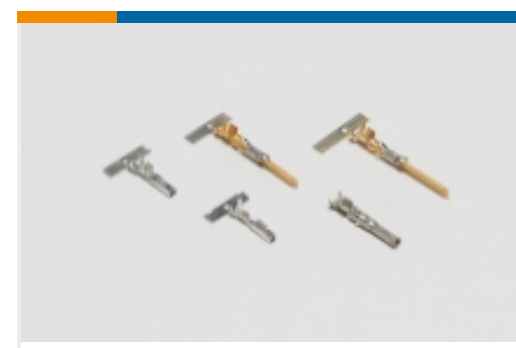
Connector Contacts(11)



Insertion &amp; Extraction Tools(1)



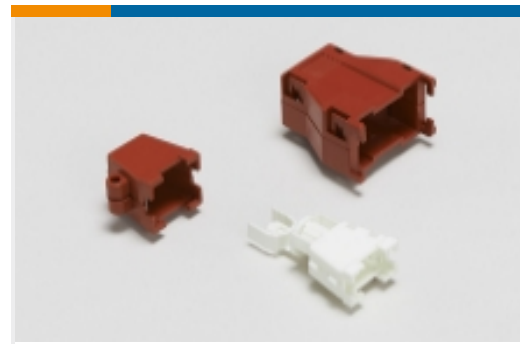
PCB Headers &amp; Receptacles(1)



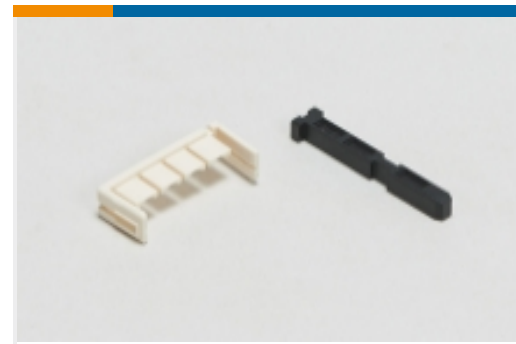
Power Contacts(85)



Rectangular Backshells &amp; Clamps(2)



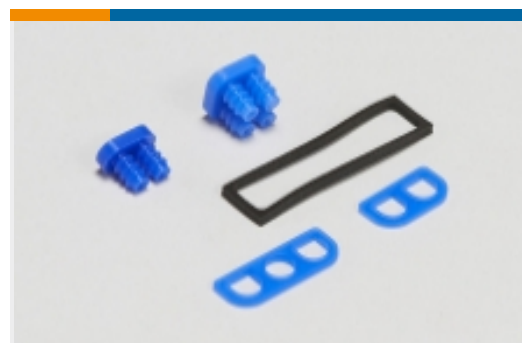
Rectangular Boots &amp; Strain Relief(2)



Rectangular Connector Keying Plugs(2)



Rectangular Connector Locking(2)



Rectangular Connector Seals(20)



Rectangular Power Connectors(283)

## Documents

### Product Drawings

#### 2CIR MINI U-M-N-L PLUG RED

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-172165-2\\_H.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-172165-2\\_H.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-172165-2\\_H.3d\\_stp.zip](#)

English

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### Product Specifications

#### Application Specification

English

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### Product Environmental Compliance

#### MD\_1-172165-2\_042120162349\_dmtec

English

#### MD\_1-172165-2\_042120162349\_dmtec

English

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### Instruction Sheets

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

English

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### Agency Approvals

#### Agency Approval Document

English