

770835-1 ✓ ACTIVE



## MATE-N-LOK

| Mini-Universal MATE-N-LOK, Mini Circular Plastic Connectors

TE Internal #: 770835-1

Tin (Sn), Pin Contact, 30 – 26 AWG, 600 VAC, 600 VDC, .05 – .15 mm<sup>2</sup> Wire, Crimp, Brass, Power, -55 – 105 °C [-67 – 221 °F], Mini-Universal MATE-N-LOK

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts



Contact Type: **Pin**

Contact Mating Area Plating Material: **Tin (Sn)**

Wire Contact Termination Area Plating Material: **Pre-Tin**

Operating Voltage: **600 VDC**

### Features

#### Product Type Features

Discrete Wire Type	Stranded
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#### Electrical Characteristics

Operating Voltage	600 VDC
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#### Contact Features

Contact Type	Pin
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Contact Mating Area Plating Material	Tin (Sn)
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Wire Contact Termination Area Plating Material	Pre-Tin
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Contact Retention Within Housing	With
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Contact Base Material	Brass
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Contact Current Rating (Max)	11.2 A
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Mating Pin Diameter	1 mm [.039 in]
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Wire Contact Termination Area Plating Material Finish	Bright
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Contact Orientation	Straight
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#### Termination Features



Termination Method to Wire & Cable	Crimp
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Product Terminates To	Wire & Cable
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### Mechanical Attachment

Wire Insulation Support	Without
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### Dimensions

Wire Size	.05 – .15 mm <sup>2</sup>
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Compatible Insulation Diameter Range	.89 – 1.27 mm [.035 – .05 in]
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### Usage Conditions

Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]
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### Operation/Application

Circuit Application	Power
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### Industry Standards

Compatible With Agency/Standards Products	CSA, UL
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UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	10000
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Packaging Method	Reel
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### 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
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China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
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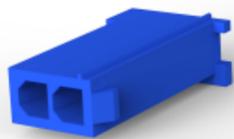
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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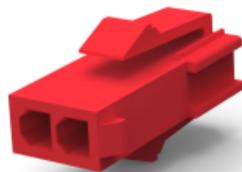
Solder Process Capability	Not applicable for solder process capability
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This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is 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 # 1-172233-6  
2 POS MINI UNIV FREE HANG BLUE



TE Part # 1-172157-2  
2 CIR MINI U-M-N-L CAP RED



TE Part # 1445825-3  
RECPT,11-9,FREE HNG,STD KEY



TE Part # 1445537-3  
REC,8-3,FLNG MT,LG INS,STD KEY



TE Part # 1445807-3  
PLUG,11-9,LG INS,STD KEY



TE Part # 1445535-3  
PLUG,8-2,LG INS,STD KEY



TE Part # 1-794058-0  
MINI UMNL SOK L/P LF



TE Part # 1445827-1  
REC,11-7,FRE HNG,SM INS,STD KE



TE Part # 1445538-3  
REC,8-2,FLNG MT,LG INS,STD KEY



TE Part # 1445820-3  
PLUG,11-5,LG INS,STD KEY



TE Part # 1445807-1  
PLUG,11-9,SM INS,STD KEY



TE Part # 172329-1  
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 3P



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



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



TE Part # 1445829-3  
REC,11-5,FRE HNG,LG INS,STD KE



TE Part # 1445828-3  
REC,11-6,FRE HNG,LG INS,STD KE



TE Part # 172233-1  
2 POS MINI UMNL CAP HOUSING



TE Part # 1445389-3  
REC,8-4,FREE HG,LG INS,STD KEY

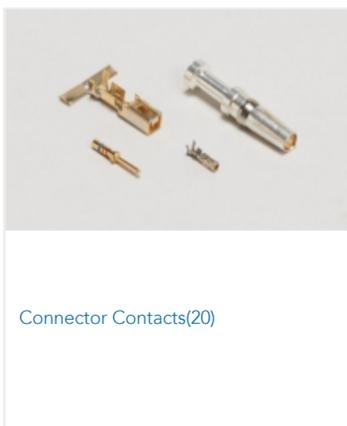


TE Part # 90870-1  
PROC RMP TL W/DIE COMM .062 P/S



TE Part # 794941-1  
08P MINI UMNL CAP HSG

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



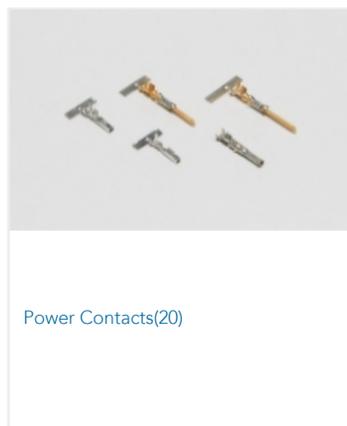
Connector Contacts(20)



Connector Hardware(4)



PCB Headers & Receptacles(93)



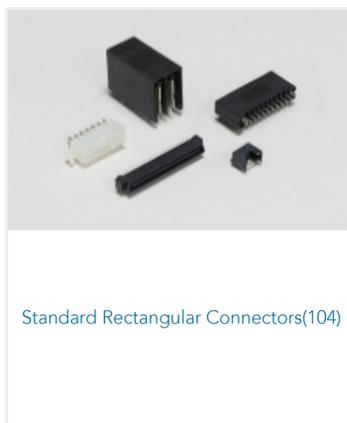
Power Contacts(20)



Rectangular Connector Housings(104)

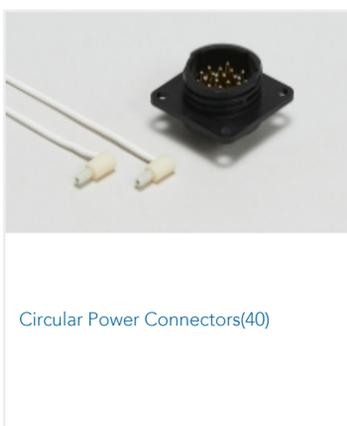


Rectangular Power Connectors(196)

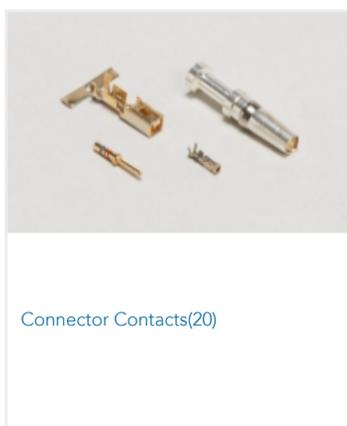


Standard Rectangular Connectors(104)

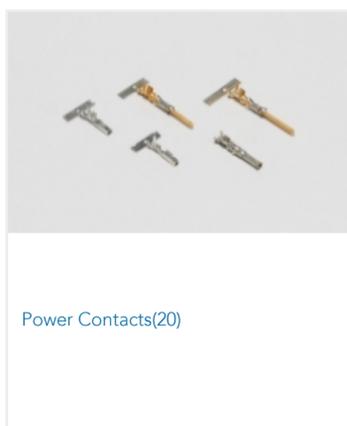
Also in the Series | **Mini Circular Plastic Connectors**



Circular Power Connectors(40)



Connector Contacts(20)



Power Contacts(20)

Customers Also Bought



## Documents

### Product Drawings

#### MINI UMNL PIN SN

English

### CAD Files

#### 3D PDF

English

#### Customer View Model

[ENG\\_CVM\\_770835-1\\_H.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_770835-1\\_H.3d\\_stp.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_770835-1\\_H.2d\\_dxf.zip](#)

English

#### 3D PDF

3D



**Customer View Model**

[ENG\\_CVM\\_CVM\\_770835-1\\_M.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_770835-1\\_M.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_770835-1\\_M.3d\\_stp.zip](#)

English

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**Datasheets & Catalog Pages**

[AMP Circular Connectors for Commercial Signal & Power Applications Continued](#)

English

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

English

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**Product Specifications**

[Application Specification](#)

English

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**Instruction Sheets**

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

English

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**Agency Approvals**

[Agency Approval Document](#)

English