



MATE-N-LOK | Commercial MATE-N-LOK

TE Internal #: 170147-2

Tin (Sn), Socket Contact, 24 – 18 AWG, 250 VAC, 250 VDC, .2 – .82 mm<sup>2</sup> Wire, Locking Lance Contact Retention, Crimp, Commercial MATE-N-LOK

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

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

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

Operating Voltage: **250 VDC**

**Features**

**Product Type Features**

Discrete Wire Type	Stranded
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**Electrical Characteristics**

Operating Voltage	250 VDC
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**Contact Features**

Contact Type	Socket
Contact Mating Area Plating Material	Tin (Sn)
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Retention Within Housing	With
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	13 A
Mating Pin Diameter	2.1 mm[.082 in]
Wire Contact Termination Area Plating Thickness	.4 μm[15.74 μin]
Contact Orientation	Straight

**Termination Features**

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

Contact Retention Type Within Housing	Locking Lance
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Wire Insulation Support	Without
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### Dimensions

Wire Size	.2 – .82 mm <sup>2</sup>
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Compatible Insulation Diameter Range	2.54 mm[.1 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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### Packaging Features

Packaging Quantity	7000
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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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#### 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 # 1-480276-0  
06P CMNL CAP HSG P/M NATL



TE Part # 1-480305-9  
03P CMNL CAP HSG F/H BLK



TE Part # 1-480498-1  
02P CMNL CAP HSG F/H BLK

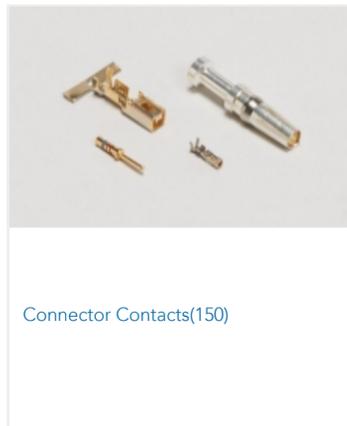


TE Part # 3-480425-0  
04P CMNL PLG HSG, H-TEMP

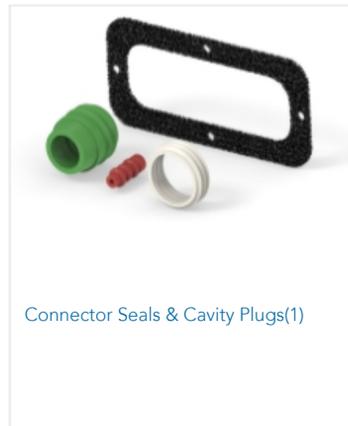
## Also in the Series | Commercial MATE-N-LOK



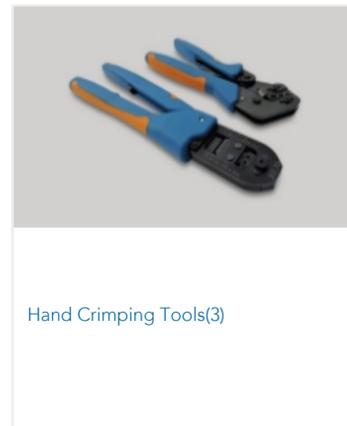
Connector Caps & Covers(2)



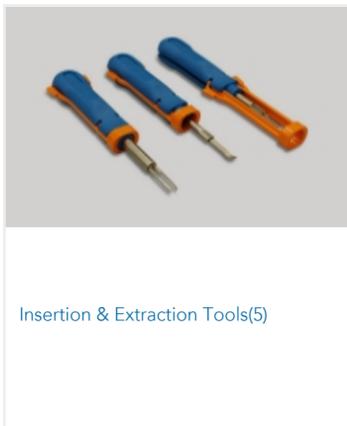
Connector Contacts(150)



Connector Seals & Cavity Plugs(1)



Hand Crimping Tools(3)



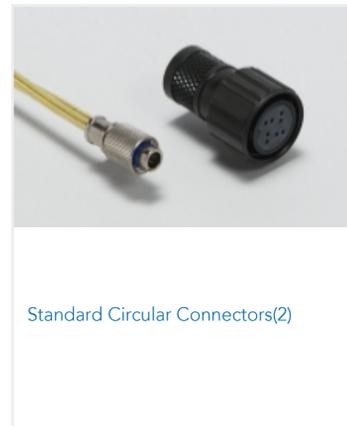
Insertion & Extraction Tools(5)



PCB Headers & Receptacles(55)



Rectangular Power Connectors(181)



Standard Circular Connectors(2)

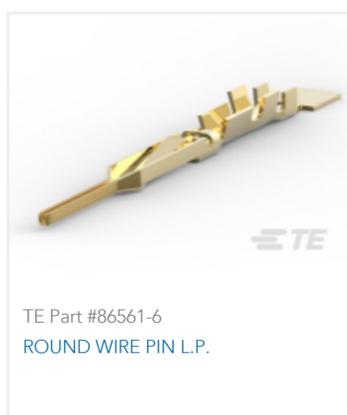


Wire-to-Board Headers & Receptacles  
(55)

## Customers Also Bought



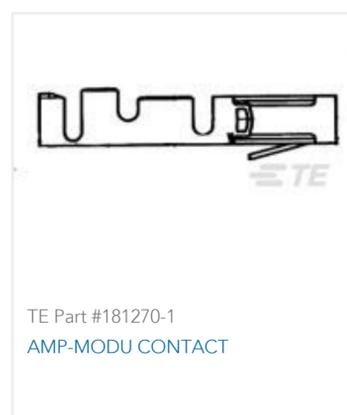
TE Part #41969-2  
250 FASTON REC 22-18 AWG BR



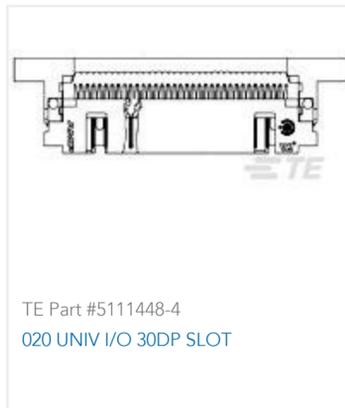
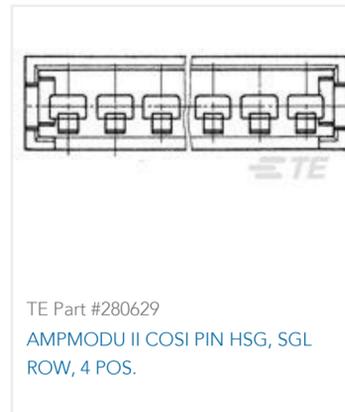
TE Part #86561-6  
ROUND WIRE PIN L.P.



TE Part #170032-1  
250 FASTON,REC.,20-14 AWG,BR



TE Part #181270-1  
AMP-MODU CONTACT



## Documents

### Product Drawings

#### MNL SOCKET PRE-TIN PH BR

English

### CAD Files

#### 3D PDF

English

#### Customer View Model

[ENG\\_CVM\\_170147-2\\_A3.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_170147-2\\_A3.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_170147-2\\_A3.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Product Specifications

#### Application Specification

English