



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

TE Internal #: 350079-5

Power Contacts, Contact, 250 VAC, Gold, 30 – 22 AWG Wire Size, .05 – .4 mm<sup>2</sup> Wire Size, Wire & Cable, Crimp, Power, Pin, Commercial MATE-N-LOK

[View on TE.com >](#)

Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Operating Voltage: **250 VAC**

Contact Mating Area Plating Material: **Gold**

Wire Size: **.05 – .4 mm<sup>2</sup>**

**Features**

**Product Type Features**

Compatible With Discrete Wire Type	Stranded
Power Contact Type	Contact
Connector & Contact Terminates To	Wire & Cable

**Electrical Characteristics**

Operating Voltage	250 VAC
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**Contact Features**

Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	15 A
Contact Type	Pin
Contact Retention Within Housing	With
Mating Pin Diameter	2.11 mm [.083 in]
Contact Base Material	Brass
Contact Mating Area Plating Material Thickness	.76 μm [30 μin]
Wire Contact Termination Area Plating Thickness	.76 μm [30 μin]
Wire Contact Termination Area Plating Material	Gold



Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]

#### Termination Features

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

Contact Retention Type Within Housing	Locking Lance
Wire Insulation Support	Without

#### Dimensions

Wire Size	.05 – .4 mm <sup>2</sup>
Compatible Insulation Diameter Range	1.02 – 1.91 mm[.04 – .075 in]

#### 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	8000
Packaging Method	Reel

#### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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



TE Part # 465644-1  
EXTRACTION TOOL



TE Part # 455830-1  
INSERTION TOOL



TE Part # 1-171196-0  
6 POS MATE-N-LOK S



TE Part # 1-480274-0  
09P CMNL PLUG HSG P/M NATL



TE Part # 1-480284-0  
08P CMNL CAP HSG M/M NATL



TE Part # 1-480438-0  
16P CMNL PLUG HSG M/M NATL



TE Part # 1-480683-0  
02P CMNL PLUG HSG F/H NATL



TE Part # 1-480277-0  
09P CMNL CAP HSG P/M NATL



TE Part # 1-480304-0  
03P CMNL PLUG HSG P/M NATL



TE Part # 1-480722-0  
04P CMNL PLUG HSG W/LCK NATL



TE Part # 1-480276-0  
06P CMNL CAP HSG P/M NATL



TE Part # 1-480285-0  
10P CMNL PLUG HSG M/M NATL



TE Part # 1-480439-0  
16P CMNL CAP HSG M/M NATL



TE Part # 1-480393-1  
02P CMNL PLUG HSG F/H BLK



TE Part # 1-480345-0  
08P CMNL CAP HSG F/H NATL



TE Part # 1-480340-0  
06P CMNL CAP HSG F/H NATL



TE Part # 1-480278-0  
12P CMNL CAP HSG P/M NATL



TE Part # 1-480425-0  
04P CMNL PLUG HSG P/M NATL

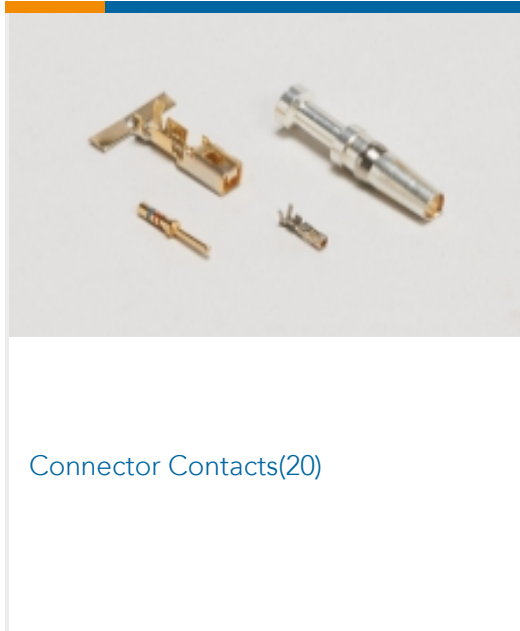


TE Part # 1-480324-0  
15P CMNL CAP HSG P/M NATL

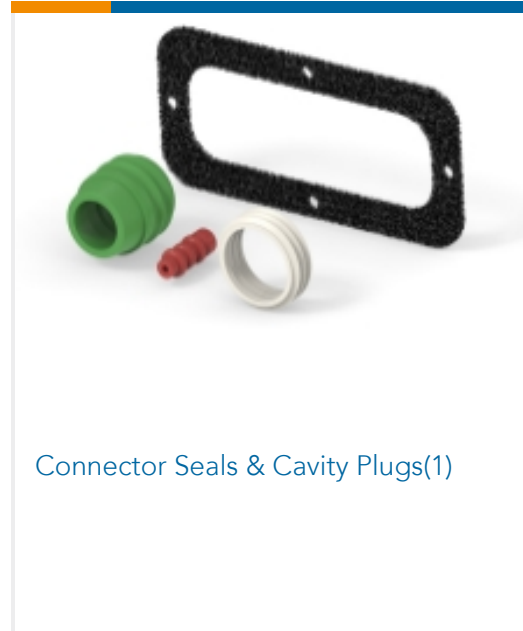


TE Part # 1-480721-0  
03P CMNL PLUG HSG W/LOK NATL

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



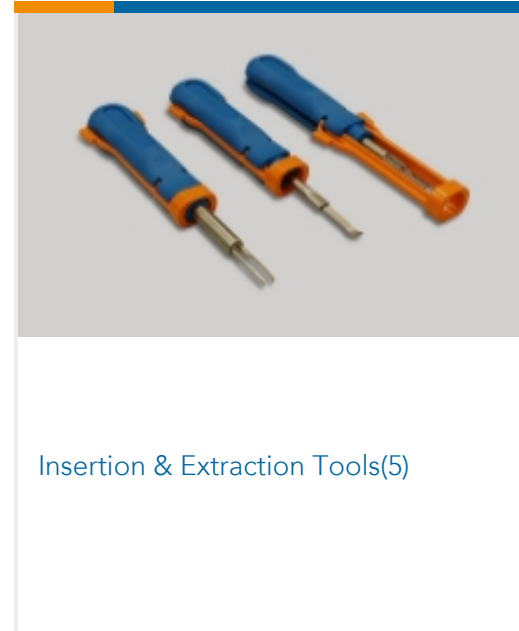
Connector Contacts(20)



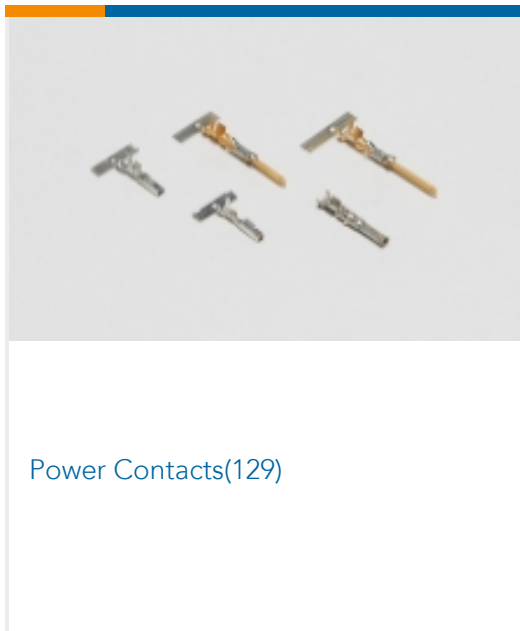
Connector Seals & Cavity Plugs(1)



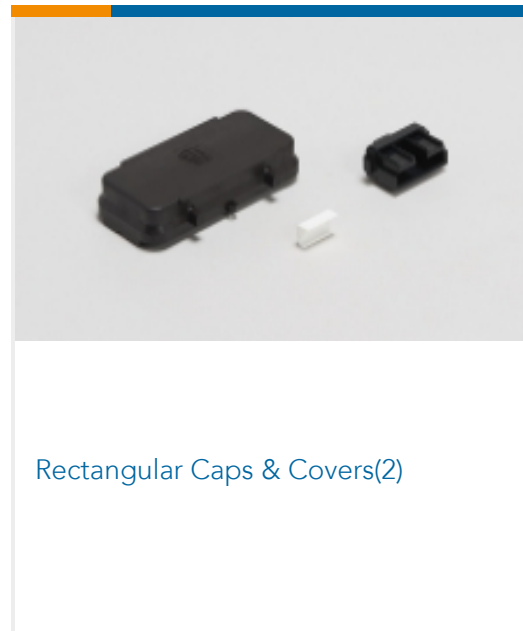
Crimp Wire Pins, Tabs & Ferrules(2)



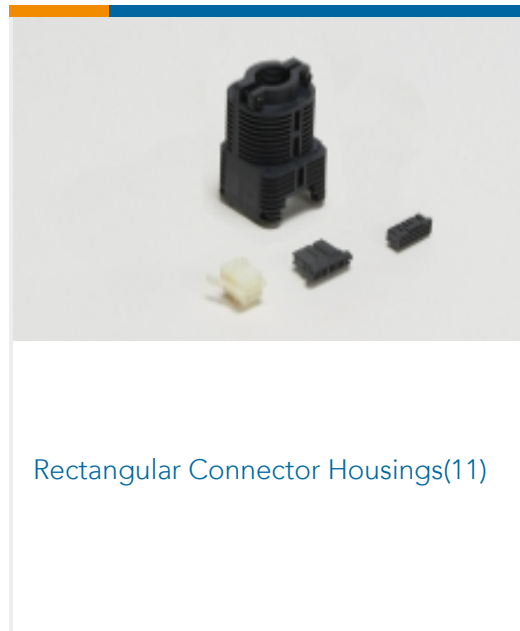
Insertion & Extraction Tools(5)



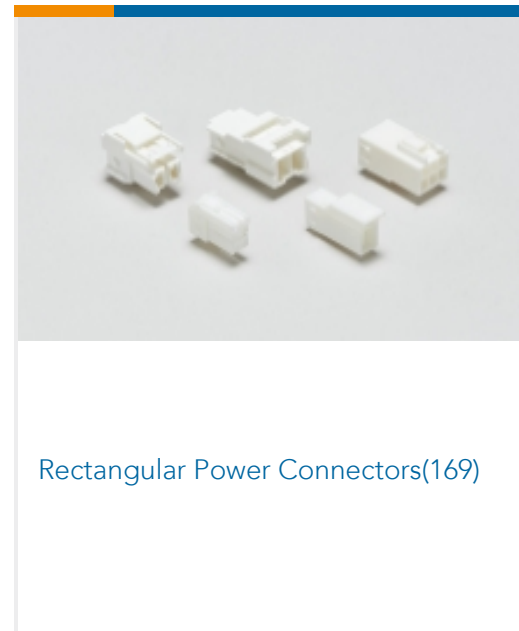
Power Contacts(129)



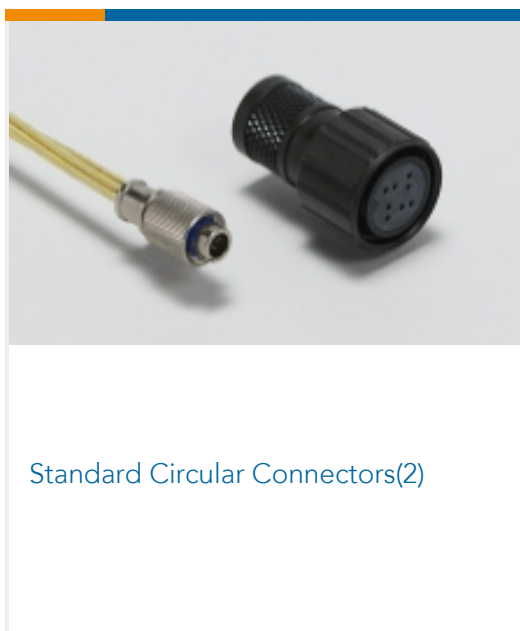
Rectangular Caps & Covers(2)



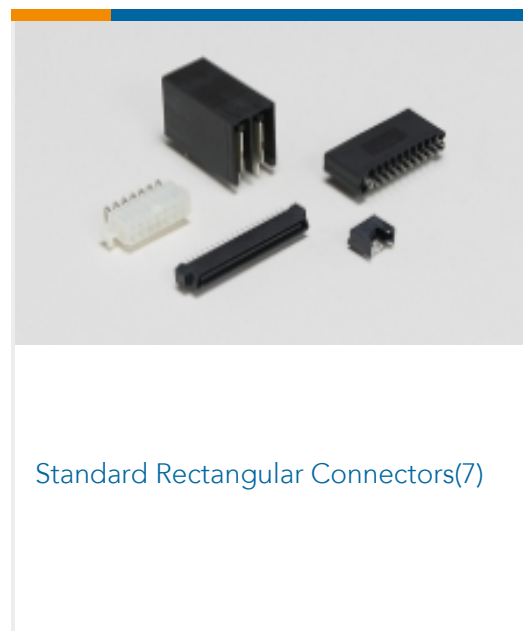
Rectangular Connector Housings(11)



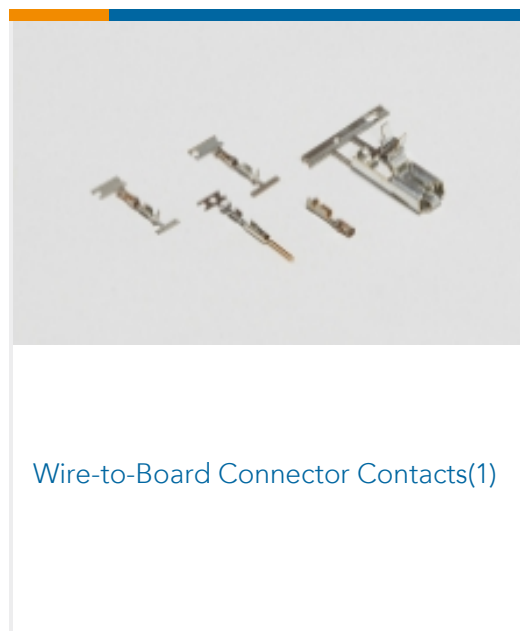
Rectangular Power Connectors(169)



Standard Circular Connectors(2)



Standard Rectangular Connectors(7)



Wire-to-Board Connector Contacts(1)

## Customers Also Bought



TE Part #179227-1  
CRIMP TYPE II REC CONTACT



TE Part #1-2308342-7  
FULL METAL HOODS SIZE 3-7 (RAW)



TE Part #770018-1  
03P UMNLI IN-LNE PLUG HSG KIT



TE Part #3-641437-2  
02P MTA156 PSTD CONN ASSY RED



## Documents

### Product Drawings

[CMNL PIN 30-22 AUBR](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_350079-5\\_AN.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_350079-5\\_AN.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_350079-5\\_AN.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[SOFT\\_SHELL\\_PIN\\_SOCKET\\_CONNECTORS\\_STANDARD\\_DENSITY](#)

English

### Product Specifications

[Application Specification](#)

English

### Product Environmental Compliance

[TE Material Declaration](#)



English