

61116-7 ✓ ACTIVE

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

TE Internal #: 61116-7

Pin Contact, Gold, 250 VAC, Locking Lance Contact Retention, 24 – 18 AWG Wire Size, .2 – .82 mm<sup>2</sup> Wire Size, Crimp, Brass, Power, Commercial MATE-N-LOK

[View on TE.com >](#)



Connectors > Contacts > Connector Contacts



Contact Type: **Pin**

Contact Mating Area Plating Material: **Gold**

Wire Contact Termination Area Plating Material: **Nickel**

Operating Voltage: **250 VAC**

Contact Retention Within Housing: **With**

## Features

### Product Type Features

Discrete Wire Type	Stranded
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### Packaging Features

Packaging Quantity	8000
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Packaging Method	Reel
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### Dimensions

Compatible Insulation Diameter Range	2.54 mm[.1 in]
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Wire Size	.2 – .82 mm <sup>2</sup>
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### Mechanical Attachment

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

Contact Underplating Material	Nickel
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Contact Orientation	Straight
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Mating Pin Diameter	2.13 mm[.084 in]
Contact Underplating Material Thickness	1.27 μm[50 μin]
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Wire Contact Termination Area Plating Material Finish	Bright
Contact Shape & Form	Round
Wire Contact Termination Area Plating Thickness	1.27 μm[50 μin]
Barrel Type	Open
Contact Type	Pin
Contact Mating Area Plating Material	Gold
Wire Contact Termination Area Plating Material	Nickel
Contact Retention Within Housing	With
Contact Base Material	Brass
Contact Current Rating (Max)	15 A

### Electrical Characteristics

Operating Voltage	250 VAC
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### Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable

### Usage Conditions

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

Circuit Application	Power
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### Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

### 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 2024 (241)



Candidate List Declared Against: JUNE 2024 (241)  
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 # 2151019-1  
OCEAN\_2.0\_Applicator-S-070F100F-RSM



TE Part # 91512-1  
CCII CMNL PIN SKT 24-18 ASSY



TE Part # 90574-1  
ASSY PRO-CRIMPER COMM M-N-LOCK



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



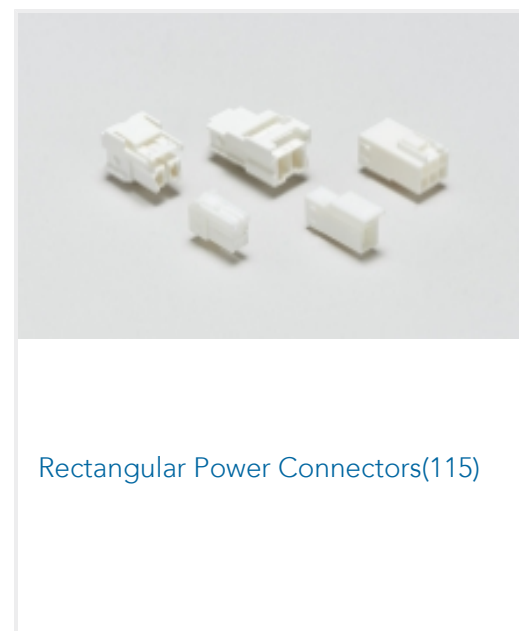
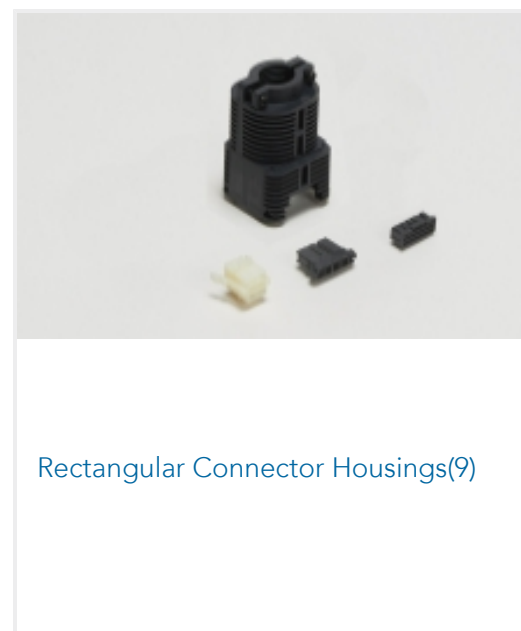
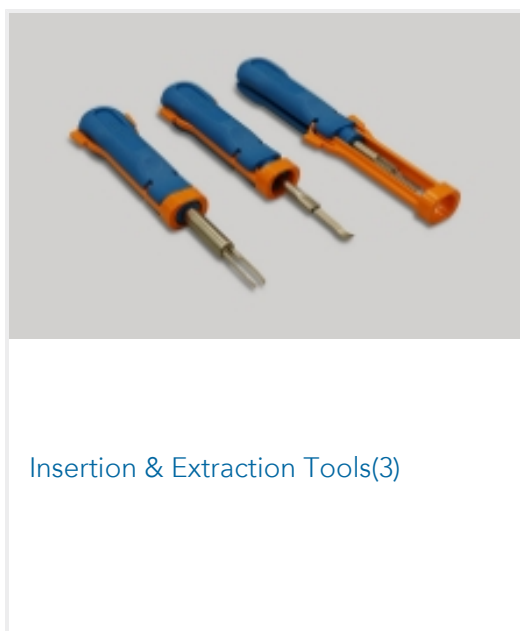
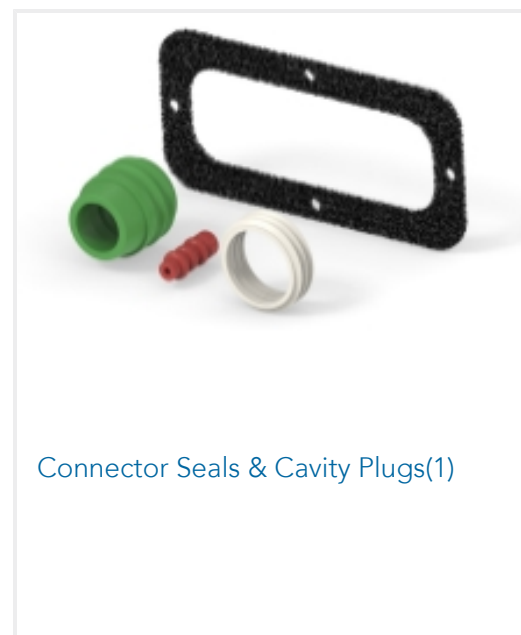
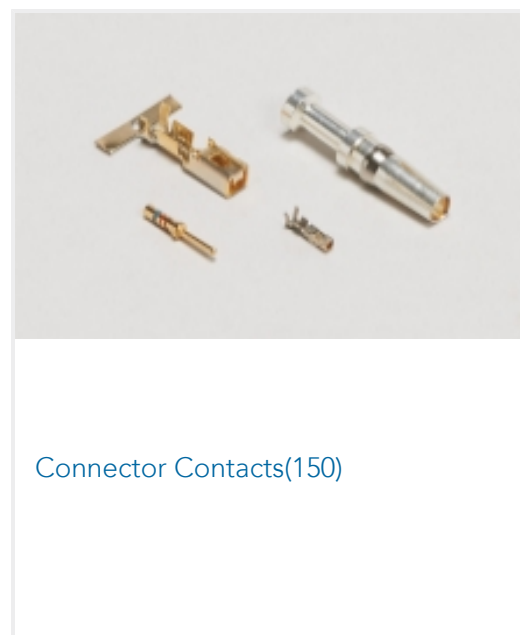
TE Part # 1-480284-0  
08P CMNL CAP HSG M/M NATL



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



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



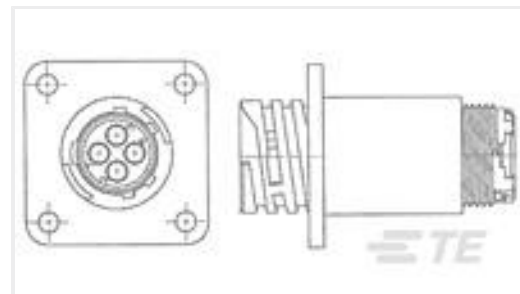
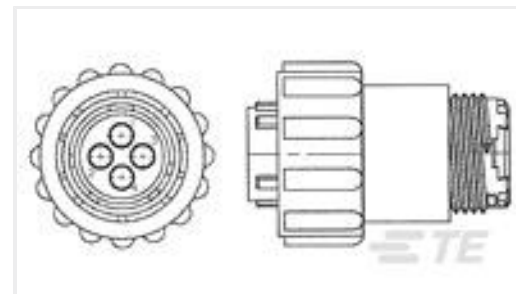
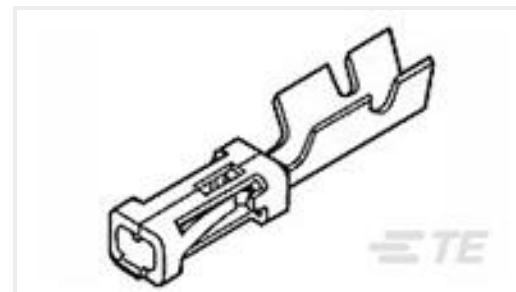
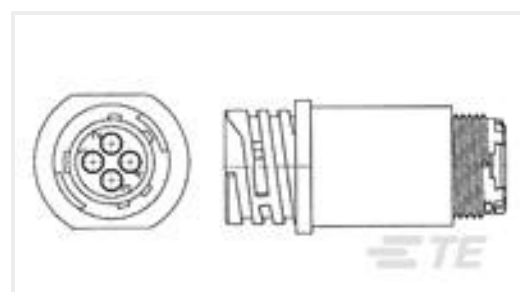


Standard Circular Connectors(2)



Standard Rectangular Connectors(2)

## Customers Also Bought

TE Part #54011-1  
CPC STRAIN RELIEF,SIZE 17TE Part #796095-2  
SLD CPC RCPT ASY,11-4,STD SEXTE Part #796094-2  
SLD CPC PLUG ASY,11-4,STD SEXTE Part #61314-6  
CMNL SOK S/F 24-18 .0125AUPHBZTE Part #1-480350-0  
01P CMNL CAP HSG F/H NATLTE Part #1-480349-0  
01P CMNL PLUG HSG F/H NATLTE Part #1-87309-2  
MOD V RECP PLTD 15 AUTE Part #3-6609952-7  
PS000DHXB=C4551TE Part #54010-1  
CPC STRAIN RELIEF,SIZE 11TE Part #796096-2  
SLD CPC RCPT ASY,11-4,STD SEX

## Documents

### Product Drawings

[CMNL PIN 24-18 AUNIBR](#)

English

### CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_61116-7\\_BL.2d\\_dxf.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_61116-7\\_BL.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_61116-7\\_BL.3d\\_stp.zip](#)

English

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

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### Datasheets & Catalog Pages

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

English

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### Product Specifications

[Application Specification](#)

English