

61173-4 ✓ ACTIVE

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

TE Internal #: 61173-4

Power Contacts, Contact, 250 VAC, Pre-Tin, 30 – 22 AWG Wire Size,  
.05 – .33 mm<sup>2</sup> Wire Size, Wire-to-Wire, Wire & Cable, Crimp,  
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: **Pre-Tin**

Wire Size: **.05 – .33 mm<sup>2</sup>**

## Features

### Product Type Features

Power Contact Type	Contact
Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

### Electrical Characteristics

Test Current	3 A
Operating Voltage	250 VAC
Insulation Resistance	500

### Contact Features

Contact Shape & Form	Round
Contact Mating Area Plating Material	Pre-Tin
Contact Current Rating (Max)	15 A
Contact Type	Socket
Contact Retention Within Housing	With
Mating Pin Diameter	2.01 mm[.079 in]
Contact Base Material	Phosphor Bronze



Wire Contact Termination Area Plating Material	Pre-Tin
Contact Orientation	Straight
Barrel Type	Open Barrel

#### Termination Features

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

Contact Retention Type Within Housing	Locking Lance
Connector Mounting Type	Cable Mount (Free-Hanging)
Wire Insulation Support	Without

#### Dimensions

Wire Size	.05 – .33 mm <sup>2</sup>
Accepts Wire Insulation Diameter Range	1.02 – 1.91 mm [.04 – .075 in]
Overall Length	18.3 mm [.72 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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#### Industry Standards

CSA Rating	Certified
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard	CSA, UL
UL Rating	Recognized
UL Flammability Rating	UL 94V-2
VDE Tested	No
CSA File Number	LR 7189A
CSA Certified	Yes
UL File Number	E28476

#### Packaging Features

Packaging Method	Bag
Packaging Quantity	1000

#### Other

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Wire Type	Stranded
For Use With	Commercial MATE-N-LOK housings
Wire/Cable Type	Discrete Wire

## 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: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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

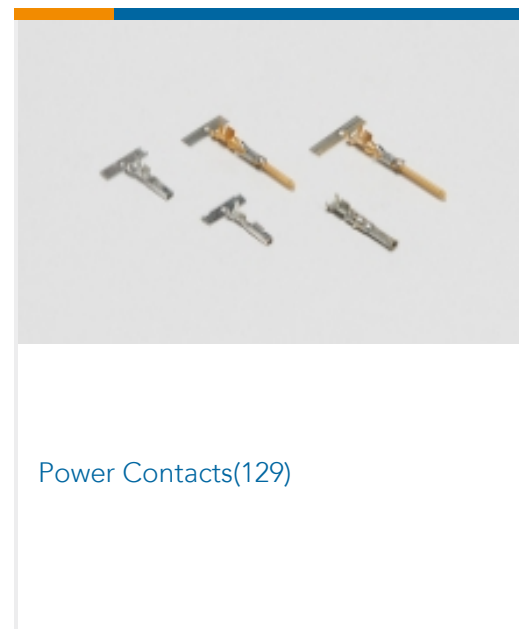
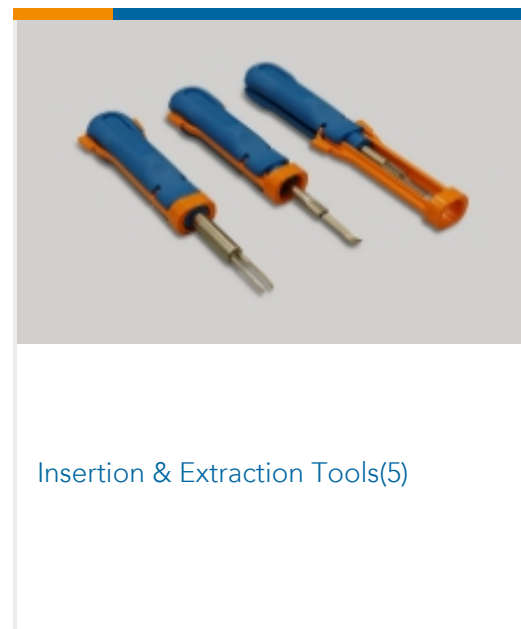
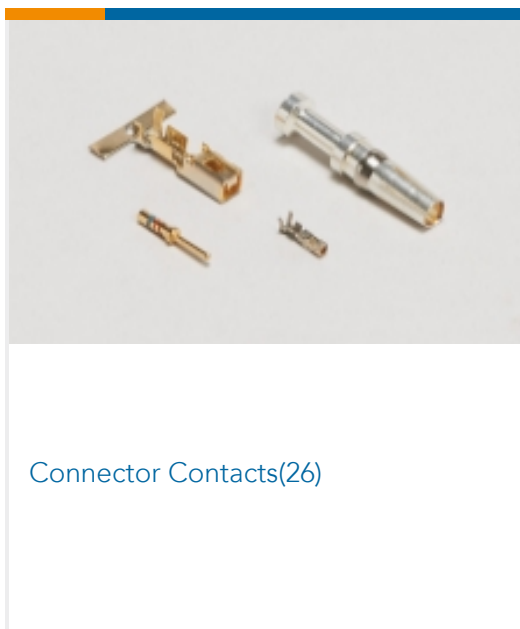
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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





Also in the Series | Commercial MATE-N-LOK

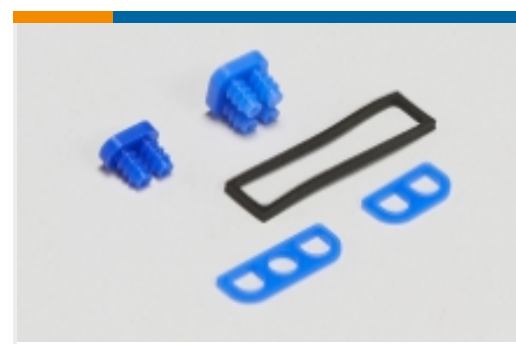




Rectangular Caps &amp; Covers(2)



Rectangular Connector Housings(17)



Rectangular Connector Seals(1)



Rectangular Power Connectors(170)



Standard Circular Connectors(4)

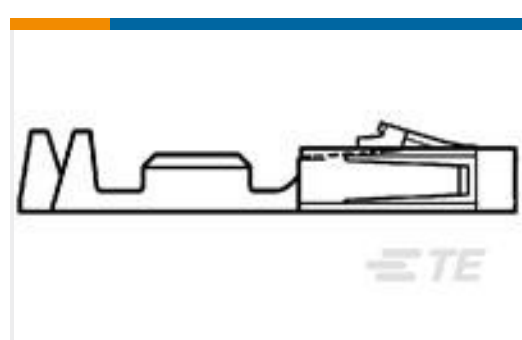
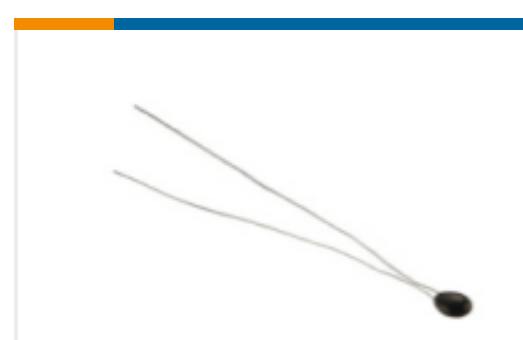


Standard Rectangular Connectors(10)



Wire-to-Board Connector Contacts(1)

## Customers Also Bought

TE Part #5207661-3  
RCPT ASSY,37P,HDP-20,CNTE Part #61174-1  
CMNL PIN L/P PTBRTE Part #104257-2  
03 MTE RCPT HSG SR LATCH .100TE Part #1-480318-0  
02P CMNL PLUG HSG F/H NATLTE Part #1-104480-5  
SHORT POINT RCP CONT LPTE Part #GA10K4A1A  
DISCRETE 10K OHMS, +/-0.1C FROM  
0C TO 70CTE Part #556136-2  
CONT,AMPINRGY WTW,LS PC,10-12TE Part #5052944219  
RNF-100-3/32-BK-SP

## Documents

### Product Drawings

[CMNL SOK 30-22 PTPHBZ L/P](#)

English

### CAD Files

[Customer View Model](#)

[ENG\\_CVM\\_61173-4\\_E.3d\\_igs.zip](#)

English

[Customer View Model](#)



[ENG\\_CVM\\_61173-4\\_E.3d\\_stp.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_61173-4\\_E.2d\\_dxf.zip](#)

English

**3D PDF**

English

**3D PDF**

3D

**Customer View Model**

[ENG\\_CVM\\_CVM\\_61173-4\\_H.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_61173-4\\_H.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_61173-4\\_H.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

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

English

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### Product Specifications

[Application Specification](#)

English

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### Product Environmental Compliance

[MD\\_61173-4\\_041620182310\\_dmtec](#)

English

[MD\\_61173-4\\_041620182310\\_dmtec](#)

English

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### Instruction Sheets

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

English