

61251-1 ✓ ACTIVE

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

TE Internal #: 61251-1

Power Contacts, Contact, 600 VAC, Tin, 20 – 14 AWG Wire Size, .52  
– 2.08 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: **600 VAC**

Contact Mating Area Plating Material: **Tin**

Wire Size: **.52 – 2.08 mm<sup>2</sup>**

## Features

### Product Type Features

Power Contact Type	Contact
Connector & Contact Terminates To	Wire & Cable

### Electrical Characteristics

Operating Voltage	600 VAC
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### Contact Features

Contact Shape & Form	Round
Barrel Type	Open
Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	32.48 A
Contact Type	Pin
Contact Retention Within Housing	With
Mating Pin Diameter	3.96 mm [.156 in]
Contact Base Material	Brass
Wire Contact Termination Area Plating Material	Tin
Contact Orientation	Straight



### 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	.52 – 2.08 mm <sup>2</sup>
Compatible Insulation Diameter Range	3.18 mm [.125 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

Agency/Standard	CSA, UL
UL Flammability Rating	UL 94V-2

### Packaging Features

Packaging Quantity	1000
Packaging Method	Bag

### 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 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

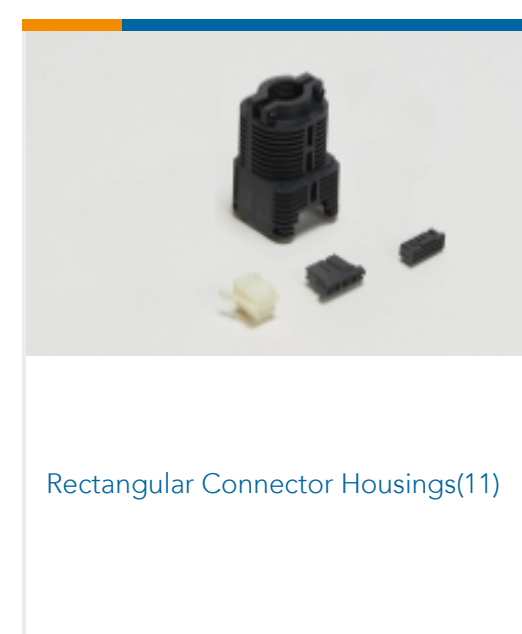
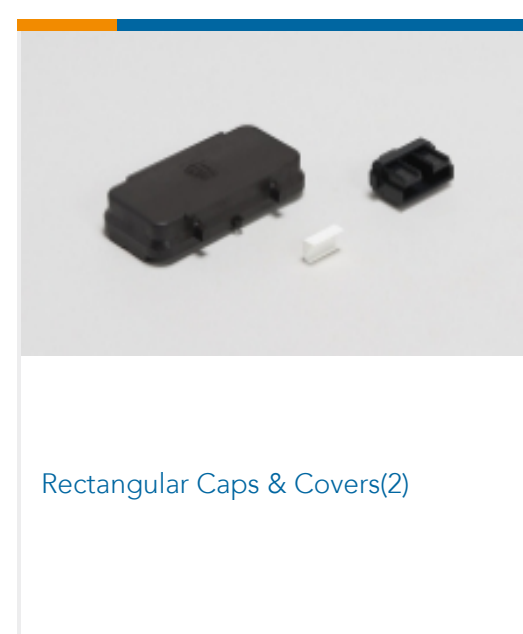
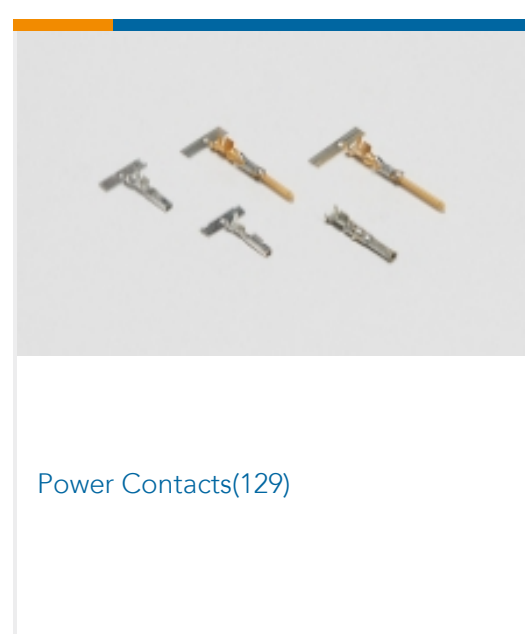
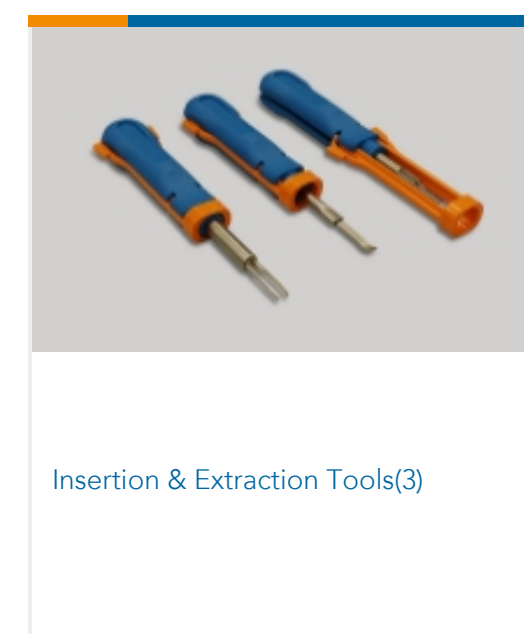
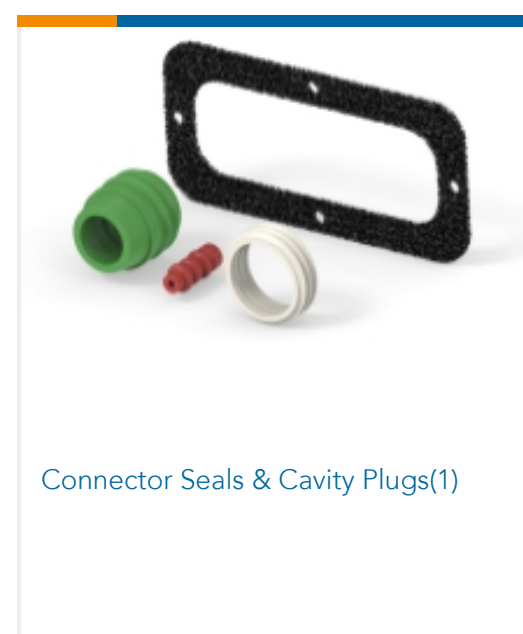
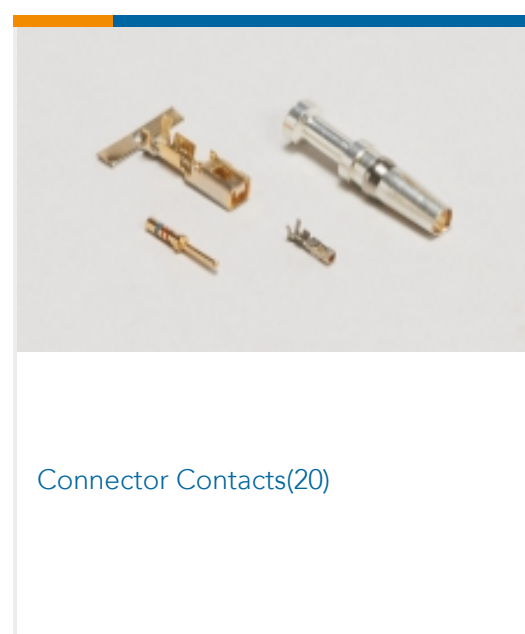
## Product Compliance Disclaimer

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

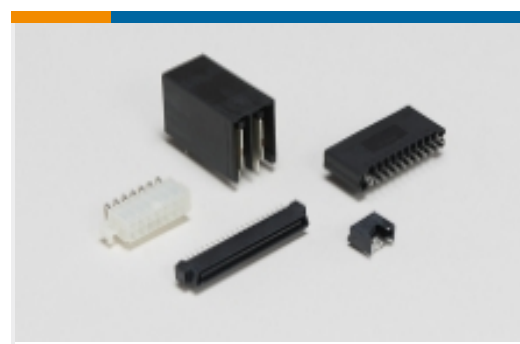


## Also in the Series | Commercial MATE-N-LOK





Standard Circular Connectors(2)

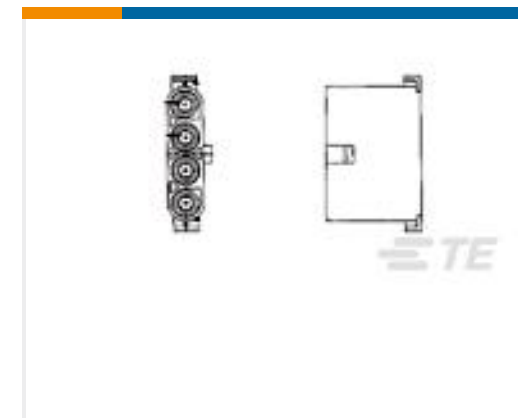
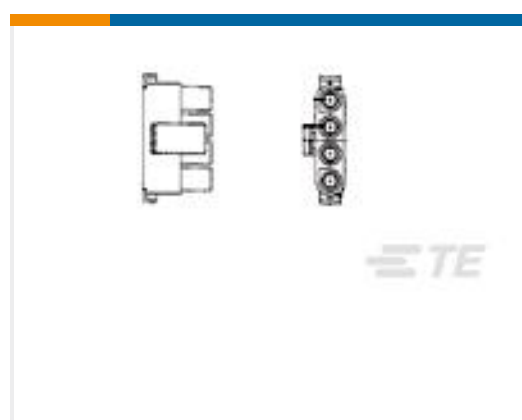
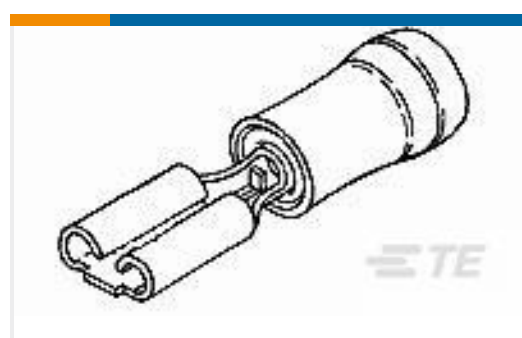
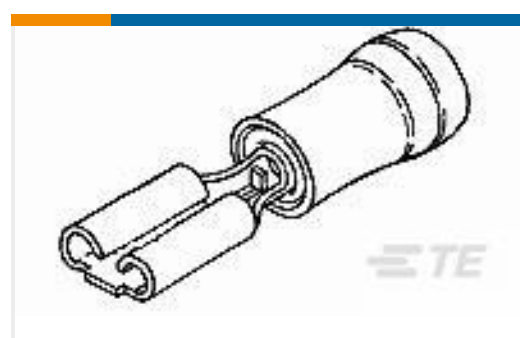


Standard Rectangular Connectors(7)



Wire-to-Board Connector Contacts(1)

## Customers Also Bought

TE Part #1-175218-3  
DYNAMIC D-3 REC CONT. L AU 0.76 L/PTE Part #1-770987-0  
MINI UMNL PIN 22-18 AWG AU LPTE Part #1-770988-0  
MINI UMNL SOK 22-18AWG AUTE Part #794413-1  
03P .156 MNL CAP HSGTE Part #794412-1  
03P .156 MNL PLUG HSGTE Part #794118-1  
04P .156 MNL CAP PANEL MOUNTTE Part #1-480701-6  
03P UMNL CAP HSG BLUTE Part #350782-1  
09P UMNL CAP HSGTE Part #165565-2  
2,8 PIDG FASTON RECTE Part #165566-2  
110 PIDG FASTON REC

## Documents

### Product Drawings

[AUTO MNL .156 PIN L/P](#)

English

### CAD Files

[Customer View Model](#)

[ENG\\_CVM\\_61251-1\\_B.3d\\_igs.zip](#)

English

[Customer View Model](#)



[ENG\\_CVM\\_61251-1\\_B.3d\\_stp.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_61251-1\\_B.2d\\_dxf.zip](#)

English

**3D PDF**

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

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### Product Environmental Compliance

[TE Material Declaration](#)

English