

60620-1 ✓ ACTIVE

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

TE Internal #: 60620-1

Power Contacts, Contact, 250 VAC, 250 VDC, Pre-Tin, 20 – 14 AWG

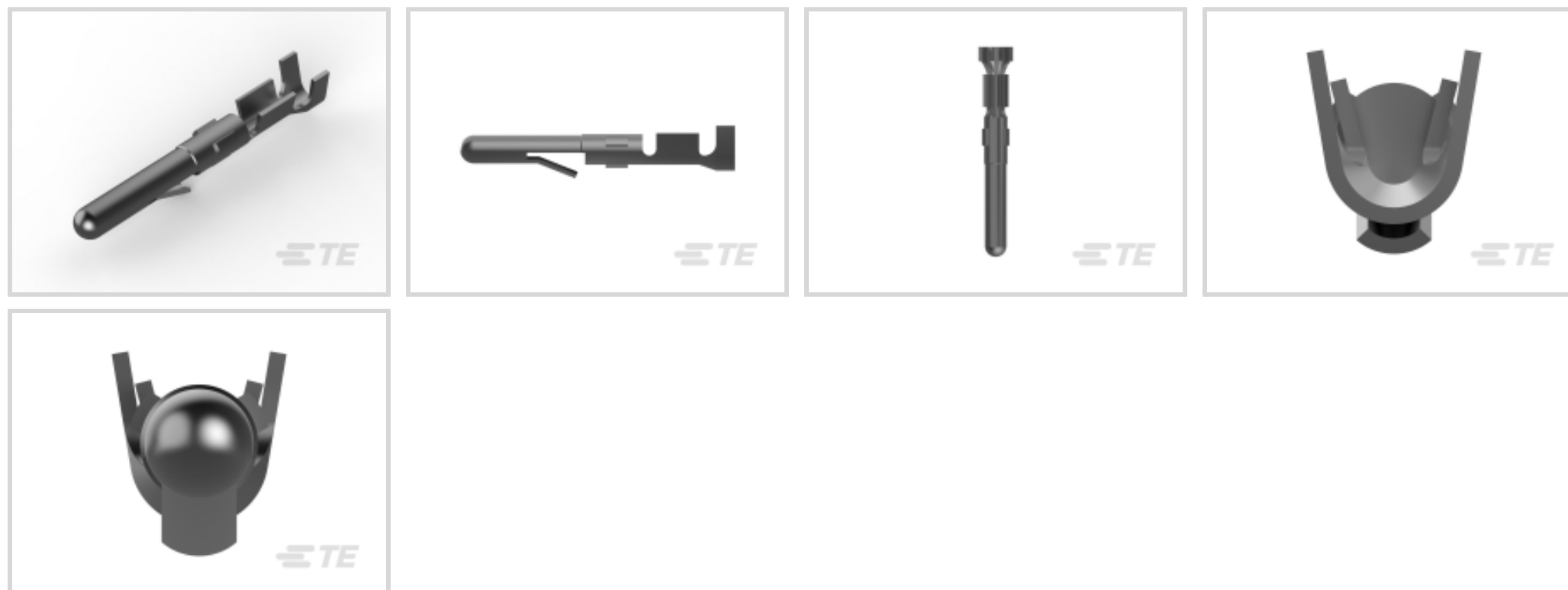
Wire Size, .52 – 2.08 mm<sup>2</sup> Wire Size, Wire-to-Wire, Wire & Cable,

Commercial MATE-N-LOK

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Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Operating Voltage: **250 VDC**

Contact Mating Area Plating Material: **Pre-Tin**

Wire Size: **20 – 14 AWG**

## Features

### Product Type Features

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

### Electrical Characteristics

Operating Voltage	250 VDC
Insulation Resistance	500

### Contact Features

Contact Shape & Form	Round
Contact Mating Area Plating Material	Pre-Tin
Contact Current Rating (Max)	15 A
Contact Type	Pin
Contact Retention Within Housing	With
Mating Pin Diameter	2.13 mm[.084 in]
Contact Base Material	Brass
Wire Contact Termination Area Plating Thickness	.508 – .812 μm[20 – 32 μin]



Wire Contact Termination Area Plating Material	Pre-Tin
Wire Contact Termination Area Plating Material Finish	Bright
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	.52 – 2.08 mm <sup>2</sup>
Accepts Wire Insulation Diameter Range	3.3 mm[.13 in]
Overall Length	20.5 mm[.805 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

Wire Type	Stranded
For Use With	Pin (Cap) Housing
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**



Connector Contacts(26)	Crimp Wire Pins, Tabs & Ferrules(3)	Insertion & Extraction Tools(5)	Power Contacts(129)
Rectangular Caps & 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 #1-480276-0 06P CMNL CAP HSG P/M NATL	TE Part #170924-1 MNL 2 POS NATURAL PIN HSG	TE Part #1-480319-9 02P CMNL CAP HSG F/H BLK	TE Part #1-480424-0 04P CMNL PLUG HSG F/H NATL
TE Part #1-480303-0 03P CMNL PLUG HSG F/H NATL	TE Part #1-480318-0 02P CMNL PLUG HSG F/H NATL	TE Part #170121-1 MATE-N-LOK SKT L.P.	TE Part #5-6609955-4 PE0SSDBXA=C4868



TE Part #1-480426-9  
04P CMNL CAP HSG F/H BLK



TE Part #7-1393099-9  
KA-5DG-6=KA/KB/KC/KR

## Documents

### Product Drawings

CMNL PIN 20-14 TPBR L/P

English

### CAD Files

3D PDF

English

Customer View Model

[ENG\\_CVM\\_60620-1\\_S.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_60620-1\\_S.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_60620-1\\_S.3d\\_stp.zip](#)

English

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_60620-1\\_Y.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_60620-1\\_Y.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_60620-1\\_Y.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

SOFT\_SHELL\_PIN\_SOCKET\_CONNECTORS\_STANDARD\_DENSITY

English

### Product Specifications

Application Specification

English



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**Product Environmental Compliance**

[MD\\_60620-1\\_01302018324\\_dmtec](#)

English

[MD\\_60620-1\\_01302018324\\_dmtec](#)

English

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**Instruction Sheets**

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

English