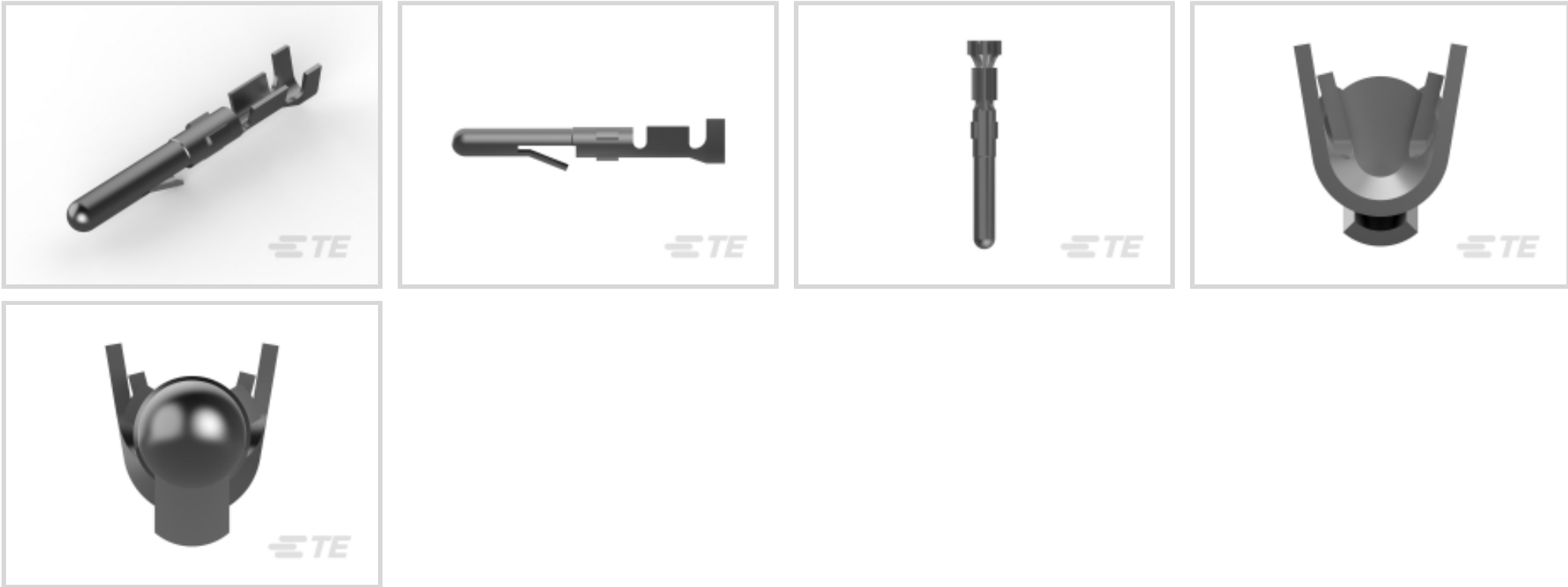




Connectors > Contacts > Connector Contacts



Contact Type: **Pin**
Contact Mating Area Plating Material: **Tin**
Wire Contact Termination Area Plating Material: **Pre-Tin**
Operating Voltage: **250 VDC**

Features

Product Type Features

Discrete Wire Type	Stranded
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Electrical Characteristics

Operating Voltage	250 VDC
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Contact Features

Mating Pin Diameter	2.13 mm[.084 in]
Wire Contact Termination Area Plating Thickness	.508 – .812 μm[20 – 32 μin]
Wire Contact Termination Area Plating Material Finish	Bright
Contact Shape & Form	Round
Contact Orientation	Straight
Barrel Type	Open
Contact Type	Pin
Contact Mating Area Plating Material	Tin
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Retention Within Housing	With
Contact Base Material	Brass



Contact Current Rating (Max)	15 A
Termination Features	
Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable
Mechanical Attachment	
Wire Insulation Support	Without
Contact Retention Type Within Housing	Locking Lance
Dimensions	
Compatible Insulation Diameter Range	3.3 mm[.13 in]
Wire Size	.52 – 2.08 mm²
Usage Conditions	
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Operation/Application	
Circuit Application	Power
Industry Standards	
Compatible With Agency/Standards Products	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 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 # 91504-1 CCII CMNL MNL PIN SKT 20-14 ASSY	 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 Caps & Covers(2)



Connector Contacts(150)



Connector Seals & Cavity Plugs(1)



Crimp Wire Pins, Tabs & Ferrules(2)



Insertion & Extraction Tools(3)



Rectangular Connector Housings(9)



Rectangular Power Connectors(166)



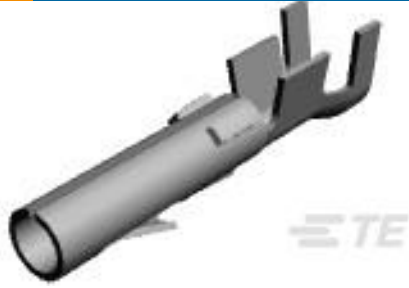
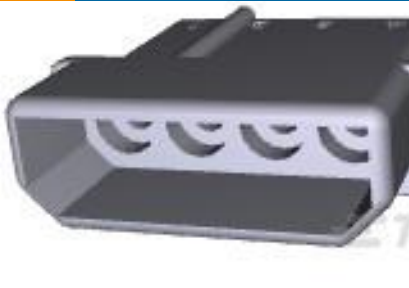
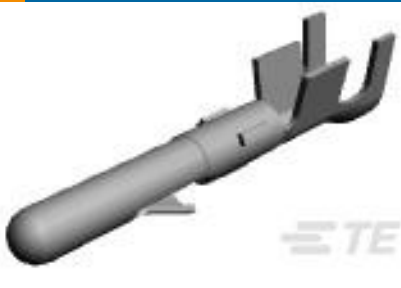
Standard Circular Connectors(2)



Standard Rectangular Connectors(7)

Customers Also Bought



 TE Part #60619-1 CMNL SOK PTPBR L/P	 TE Part #60617-1 CMNL SOK SNBR L/P	 TE Part #1-480283-0 08P CMNL PLUG HSG M/M NATL	 TE Part #1-480426-0 04P CMNL CAP HSG F/H NATL
 TE Part #1-480424-0 04P CMNL PLUG HSG F/H NATL	 TE Part #1-480319-0 02P CMNL CAP HSG 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 #60618-1 CMNL PIN PTPBR L/P		

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

Instruction Sheets

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

English