

BACA-AMP-08

✓ ACTIVE

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

TE Internal #: 60618-6

Gold (Au), Pin Contact, 24 – 18 AWG, 250 VAC, .2 – .82 mm² Wire,
Locking Lance Contact Retention, Crimp, Phosphor Bronze, Power,
Commercial MATE-N-LOK

[View on TE.com >](#)



Connectors > Contacts > Connector Contacts



Contact Type: **Pin**
Contact Mating Area Plating Material: **Gold (Au)**
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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Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Contact Shape & Form	Round
Barrel Type	Open
Contact Type	Pin
Contact Mating Area Plating Material	Gold (Au)
Wire Contact Termination Area Plating Material	Nickel
Contact Retention Within Housing	With
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	15 A
Mating Pin Diameter	2.13 mm[.084 in]
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]



Wire Contact Termination Area Plating Thickness	1.27 µm[50 µin]
Wire Contact Termination Area Plating Material Finish	Bright
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]

Termination Features

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

Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
Wire Insulation Support	Without

Dimensions

Wire Size	.2 – .82 mm²
Compatible Insulation Diameter Range	2.54 mm[.1 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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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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # 1-480303-0 03P CMNL PLUG HSG F/H NATL	 TE Part # 1-480350-0 01P CMNL CAP HSG F/H NATL	 TE Part # 1-480350-2 01P CMNL CAP HSG F/H RED	 TE Part # 1-480424-0 04P CMNL PLUG HSG F/H NATL
 TE Part # 1-480277-0 09P CMNL CAP HSG P/M NATL	 TE Part # 1-480285-0 10P CMNL PLUG HSG M/M NATL	 TE Part # 1-480323-0 15P CMNL PLUG HSG P/M NATL	 TE Part # 1-480284-0 08P CMNL CAP HSG M/M NATL
 TE Part # 1-480439-0 16P CMNL CAP HSG M/M NATL	 TE Part # 1-480401-0 01P CMNL CAP HSG F/H BLK	 TE Part # 1-480318-9 02P CMNL PLUG HSG F/H BLK	 TE Part # 1-480305-0 03P CMNL CAP HSG F/H NATL



TE Part # 1-480318-0
02P CMNL PLUG HSG F/H NATL



TE Part # 1-480722-0
04P CMNL PLUG HSG W/LCK NATL



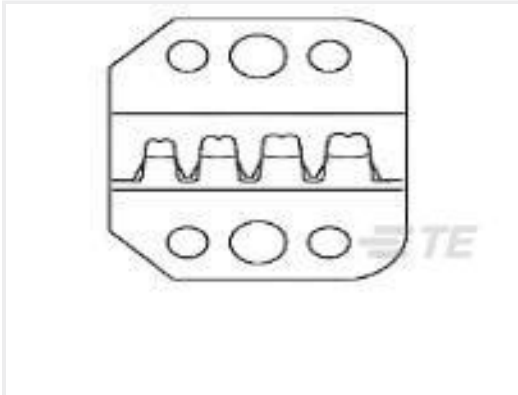
TE Part # 1-480270-0
06P CMNL PLUG HSG M/M NATL



TE Part # 1-480424-9
04P CMNL PLUG HSG F/H BLK



TE Part # 170923-1
CMNL PLG 2P FREE HNG



TE Part # 90574-2
PROCRIMPER DIE ASSY COMM MNL



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

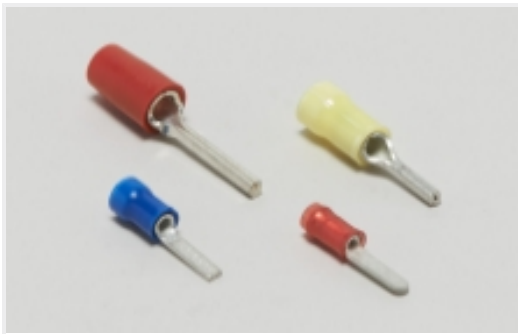


TE Part # 91528-1
CCII CMNL PIN SKT 24-18 ASSY

Also in the Series | Commercial MATE-N-LOK



Connector Contacts(150)



Crimp Wire Pins, Tabs & Ferrules(2)



Power Contacts(146)



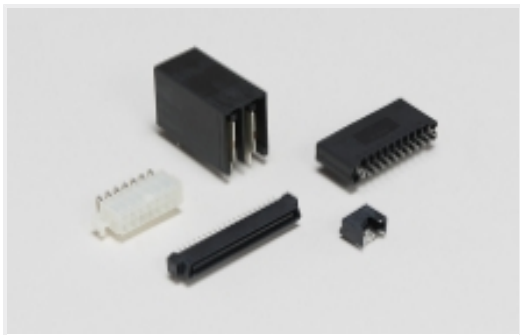
Rectangular Connector Housings(118)



Rectangular Power Connectors(181)



Standard Circular Connectors(2)



Standard Rectangular Connectors(126)

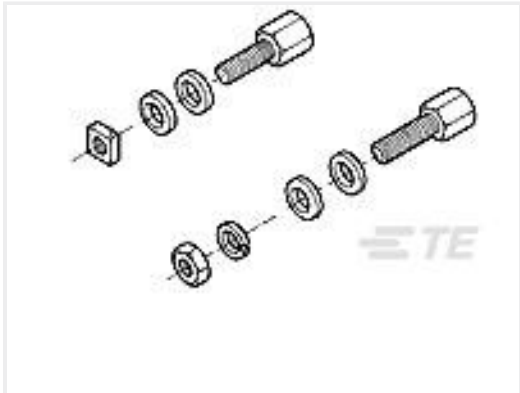
Customers Also Bought



TE Part #DP86-001D
1PSID MV DIFFERENTIAL PRESSURE
SENSOR



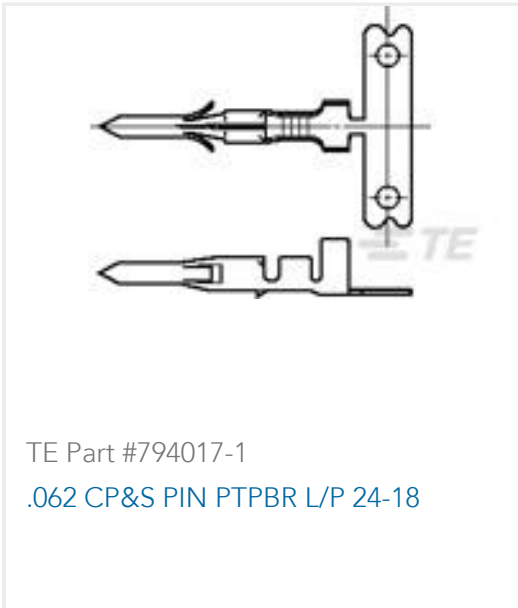
TE Part #60940-1
.058 PIN REC 24-20 010PTPPHBZ



TE Part #212447-1
SCREW RTNR KIT,AMPLIMITE



TE Part #3-647016-4
04P MTA100 PSTD CONN ASSY LF



Documents

Product Drawings

CMNL PIN AUPHBZ L/P

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_60618-6_S.2d_dxf.zip

English

Customer View Model

ENG_CVM_60618-6_S.3d_igs.zip

English

Customer View Model

ENG_CVM_60618-6_S.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_60618-6_W.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_60618-6_W.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_60618-6_W.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