

1-794612-1 ✓ ACTIVE

MATE-N-LOK | Micro MATE-N-LOK

TE Internal #: 1-794612-1

Power Contacts, Contact, 250 VAC, 250 VDC, Gold, 24 – 20 AWG  
Wire Size, .2 – .5 mm<sup>2</sup> Wire Size, Wire & Cable, Crimp, Power, Pin,  
Micro MATE-N-LOK

[View on TE.com >](#)



Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Operating Voltage: **250 VDC**

Contact Mating Area Plating Material: **Gold**

Wire Size: **24 – 20 AWG**

## Features

### Product Type Features

Compatible With Discrete Wire Type	Stranded
Power Contact Type	Contact
Connector & Contact Terminates To	Wire & Cable

### Electrical Characteristics

Operating Voltage	250 VDC
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### Contact Features

Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	5 A
Contact Type	Pin
Contact Retention Within Housing	With
Mating Square Post Dimension	.64 mm[.025 in]
Contact Base Material	Brass
Contact Mating Area Plating Material Thickness	.38 μm[15 μin]
Wire Contact Termination Area Plating Thickness	2.54 μm[100 μin]
Wire Contact Termination Area Plating Material	Tin



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
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### Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
Wire Insulation Support	Without

### Dimensions

Wire Size	.2 – .5 mm <sup>2</sup>
Compatible Insulation Diameter Range	.89 – 1.52 mm[.035 – .06 in]

### Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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### Operation/Application

Circuit Application	Power
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### Industry Standards

Agency/Standard	VDE
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### Packaging Features

Packaging Quantity	2000
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>

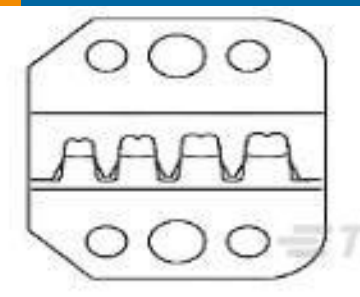
### Compatible Parts



TE Part # 91501-1  
CCII MICRO MNL REC 24-20 ASSY



TE Part # 91391-1  
SDE PEW 12MICRO MNL HAND TOOL




TE Part # 91391-2  
SDE COMM MICRO MNL DIE SET




TE Part # 1586344-1  
MICRO MATENLOK EXTRACTION TOOL

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



Insertion & Extraction Tools(1)

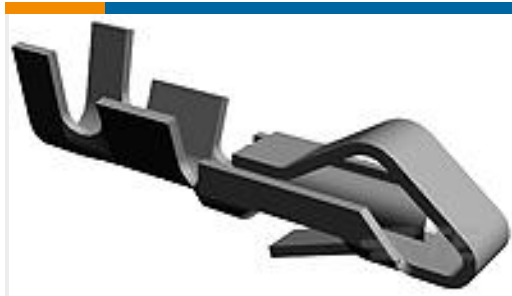


Power Contacts(27)



Rectangular Power Connectors(466)

### Customers Also Bought



TE Part #640706-2  
CONTACT .045 POST PT BRASS



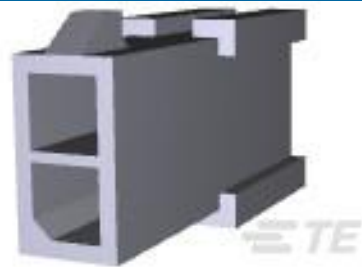
TE Part #794615-4  
PANEL MT DBL ROW HSG 4 POS



TE Part #1-794610-2  
MICRO MNL RPT CNT,LS PC 30AU L



TE Part #170187-2  
250 FASTON,REC.,22-18 AWG,TPBR



TE Part #794616-2  
FREE HANG DBL ROW HSG 2 POS



TE Part #9-103795-0  
80 MODII HDR DRRA B/A .100CL



TE Part #2-794616-0  
FREE HANG DBL ROW HSG 20 POS



TE Part #6666514-1  
41-019018-000B, CABLE ASSEMBLY



TE Part #K1122715  
Micro Switch PS1 011 204 905 new

## Documents

### Product Drawings

[PIN CONT 20-24 15 GOLD L/P](#)

English

### CAD Files

[3D PDF](#)

English

**Customer View Model**

[ENG\\_CVM\\_1-794612-1\\_C1.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_1-794612-1\\_C1.3d\\_stp.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_1-794612-1\\_C1.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D



### Customer View Model

[ENG\\_CVM\\_CVM\\_1-794612-1\\_C.2d\\_dxf.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_CVM\\_1-794612-1\\_C.3d\\_igs.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_CVM\\_1-794612-1\\_C.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

[SOFT\\_SHELL\\_PIN\\_AND\\_SOCKET\\_CONNECTORS\\_CATALOG](#)

English

[MICRO MATE-N-LOK CONNECTOR SYSTEM](#)

English

### Product Specifications

[Product Specification](#)

English

### Product Environmental Compliance

[MD\\_1-794612-1\\_07022013727\\_dmtec](#)

English

[MD\\_1-794612-1\\_07022013727\\_dmtec](#)

English