

1-794610-1 ✓ ACTIVE

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

TE Internal #: 1-794610-1

Power Contacts, Contact, 250 VAC, 250 VDC, Gold, 24 – 20 AWG

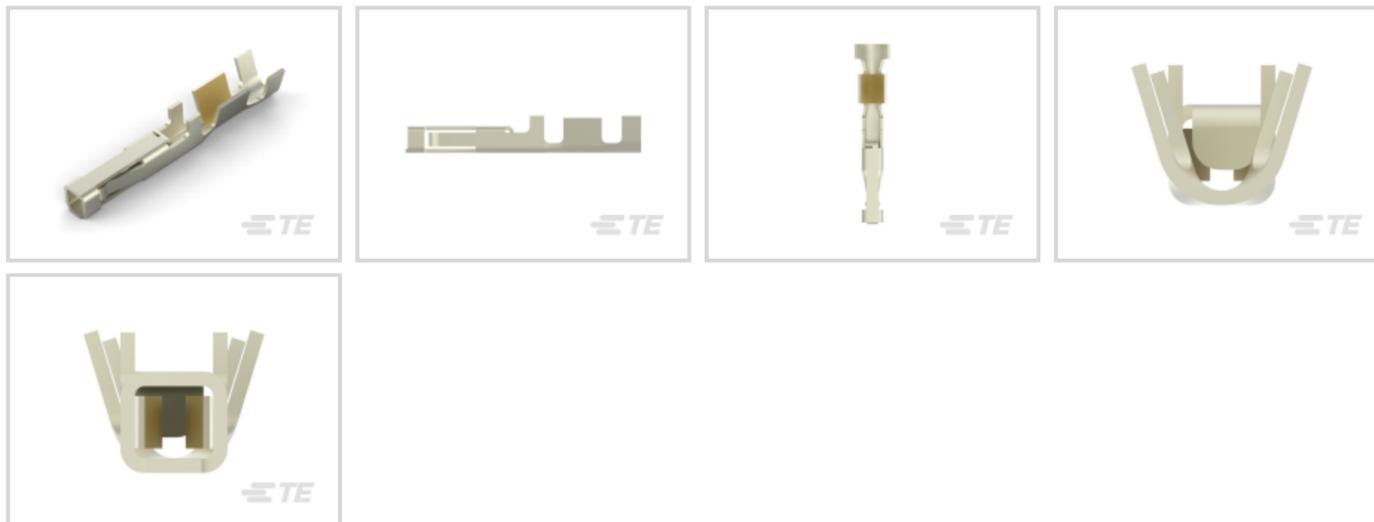
Wire Size, .2 – .52 mm² Wire Size, Wire-to-Wire, Wire & Cable,

Crimp, 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

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

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 250 VDC |
|-------------------|---------|

Contact Features

| | |
|---|------------------|
| Contact Mating Area Plating Material | Gold |
| Contact Current Rating (Max) | 5 A |
| Contact Type | Receptacle |
| Contact Retention Within Housing | With |
| Mating Square Post Dimension | .64 mm[.025 in] |
| Contact Base Material | Phosphor Bronze |
| 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 |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

| | |
|---------------------------------------|----------------------------|
| Contact Retention Type Within Housing | Locking Lance |
| Connector Mounting Type | Cable Mount (Free-Hanging) |
| Wire Insulation Support | Without |

Dimensions

| | |
|--|------------------------------|
| Wire Size | .2 – .52 mm ² |
| Accepts Wire Insulation Diameter Range | .89 – 1.52 mm[.035 – .06 in] |

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards

| | |
|------------------------|----------------|
| Agency/Standard Number | VDE_40005280_C |
| VDE Tested | Yes |
| Agency/Standard | VDE |

Packaging Features

| | |
|--------------------|-----|
| Packaging Method | Bag |
| Packaging Quantity | 500 |

Other

| | |
|-----------------|---------------|
| Wire/Cable Type | Discrete Wire |
| Wire Type | Stranded |

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: JUNE 2022 (224) 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

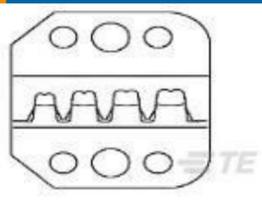


Was called: SDE PEW 12
Now renamed as: SDE SA (no other physical changes)

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



TE Part # 843996-6
TOOL, EXTRACTION RESET



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

Also in the Series | Micro MATE-N-LOK



Insertion & Extraction Tools(1)



Power Contacts(26)



Rectangular Power Connectors(712)

Documents

Product Drawings

[MICRO MNL RPT CNT,LS PC 15AU L](#)

English

CAD Files

Customer View Model

[ENG_CVM_1-794610-1_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1-794610-1_D.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1-794610-1_D.2d_dxf.zip](#)

English

[3D PDF](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG](#)

English

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

English

[1773458-4_MICRO_MATE_N_LOK_CONNECTOR_SYSTEM_ORG](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[MD_1-794610-1_040120182351_dmtec](#)

English

[MD_1-794610-1_040120182351_dmtec](#)

English

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Power Contacts, Contact, 250 VAC, 250 VDC, Gold, 24 – 20 AWG Wire Size, .2 – .52 mm² Wire Size, Wire-to-Wire, Wire & Cable, Crimp, Micro MATE-N-LOK

