



Connectors > Contacts > Connector Contacts



Contact Type: **Receptacle**

Contact Mating Area Plating Material: **Gold**

Wire Contact Termination Area Plating Material: **Tin-Lead**

Operating Voltage: **250 VDC**

Features

Product Type Features

|                    |          |
|--------------------|----------|
| Discrete Wire Type | Stranded |
|--------------------|----------|

Electrical Characteristics

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

Contact Features

|                                                       |                  |
|-------------------------------------------------------|------------------|
| Mating Square Post Dimension                          | .64 mm[.025 in]  |
| Contact Underplating Material Thickness               | 1.27 µm[50 µin]  |
| Wire Contact Termination Area Plating Thickness       | 2.54 µm[100 µin] |
| Wire Contact Termination Area Plating Material Finish | Bright           |
| Contact Mating Area Plating Material Thickness        | .76 µm[30 µin]   |
| Contact Mating Area Plating Material Finish           | Bright           |
| Contact Orientation                                   | Straight         |
| Contact Underplating Material                         | Nickel           |
| Contact Type                                          | Receptacle       |
| Contact Mating Area Plating Material                  | Gold             |
| Wire Contact Termination Area Plating Material        | Tin-Lead         |



|                                  |                 |
|----------------------------------|-----------------|
| Contact Retention Within Housing | With            |
| Contact Base Material            | Phosphor Bronze |
| Contact Current Rating (Max)     | 5 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 | .89 - 1.52 mm[.035 - .06 in] |
| Wire Size                            | .2 - .5 mm <sup>2</sup>      |

Usage Conditions

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

Operation/Application

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

Industry Standards

|                                           |     |
|-------------------------------------------|-----|
| Compatible With Agency/Standards Products | VDE |
|-------------------------------------------|-----|

Packaging Features

|                    |       |
|--------------------|-------|
| Packaging Quantity | 15000 |
| Packaging Method   | Reel  |

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: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 900 ppm per                                                                                      |



homogenous material. Also BFR/CFR/PVC Free

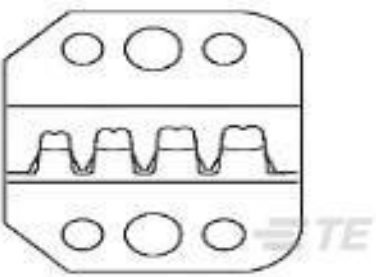
Solder Process Capability

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

|                                                                                                                                                        |                                                                                                                                                        |                                                                                                                                                          |                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 91501-1<br/>CCI MICRO MNL REC 24-20 ASSY</p>          |  <p>TE Part # 843996-6<br/>TOOL, EXTRACTION RESET</p>               |  <p>TE Part # 2151022-1<br/>OCEAN_2.0_APPLICATOR-S-055F070F-RSM</p> |  <p>TE Part # 91391-1<br/>SDE PEW 12MICRO MNL HAND TOOL</p>         |
|  <p>TE Part # 7-2151022-7<br/>OCEAN_2.0_SPARE_PART_KIT-055F070F</p> |  <p>TE Part # 91391-2<br/>SDE COMM MICRO MNL DIE SET</p>            |  <p>TE Part # 2151022-2<br/>OCEAN_2.0_APPLICATOR-S-055F070F-RSA</p> |  <p>TE Part # 2837550-1<br/>OCEAN_2.0_Applicator-S-050F070F-RSM</p> |
|  <p>TE Part # 2837550-2<br/>OCEAN_2.0_Applicator-S-050F070F-RSA</p> |  <p>TE Part # 7-2837550-7<br/>OCEAN_2.0_SPARE_PART_KIT-050F070F</p> |  <p>TE Part # 7-2837550-1<br/>OCEAN_2.0_Applicator-S-050F070F</p>   |  <p>TE Part # 7-2837550-2<br/>OCEAN_2.0_Applicator-S-050F070F</p>   |

Also in the Series | Micro MATE-N-LOK



Connector Contacts(27)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(371)



Rectangular Power Connectors(98)

Customers Also Bought



TE Part # 350922-6  
PIN, MATE-N-LOK, UMNL



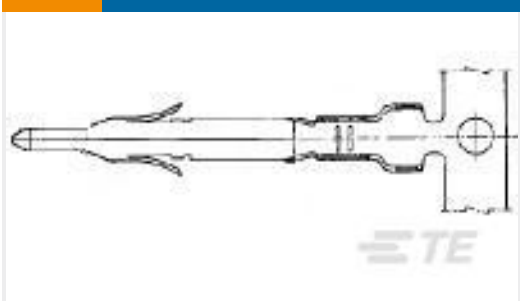
TE Part # 2008571-2  
2 POS MICRO MNL, TOP LATCH, BL



TE Part # 170361-4  
UNIV. M-N-L SOC.



TE Part # 194189-3  
PIN ASSY., CRIMP



TE Part # 170363-4  
MINI UNIVERSAL M-N-L PIN LP



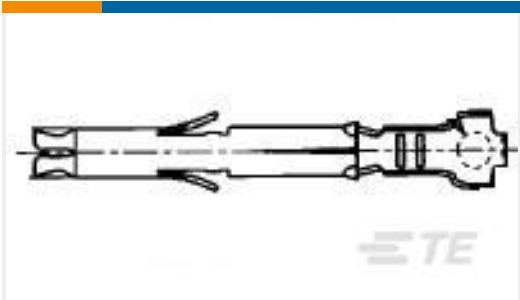
TE Part # 34835  
TERMINAL,PG R 12-10 4



TE Part # 170359-4  
UNIV. M-N-L PIN



TE Part # 164161-4  
M-SRS.PIN BODY 3+



TE Part # 170365-4  
MINI UNIVERSAL M-N-L SOCKET LP

Documents

Product Drawings

MICRO MNL RPT CNT STRIP 30AU

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_794606-3\_K.2d\_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_794606-3\\_K.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_794606-3\\_K.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

[Application Specification](#)

English