

1-770902-1 ✓ ACTIVE



MATE-N-LOK

| Mini-Universal MATE-N-LOK, Mini Circular Plastic Connectors

TE Internal #: 1-770902-1

Gold (Au), Socket Contact, 26 – 22 AWG, 600 VAC, 600 VDC, .12 – .4 mm² Wire, Crimp, Phosphor Bronze, Power, Mini-Universal MATE-N-LOK

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

Contact Mating Area Plating Material: **Gold (Au)**

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

Operating Voltage: **600 VDC**

Features

Product Type Features

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

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 600 VDC |
|-------------------|---------|

Contact Features

| | |
|---|-------------------|
| Contact Type | Socket |
| Contact Mating Area Plating Material | Gold (Au) |
| Wire Contact Termination Area Plating Material | Tin |
| Contact Retention Within Housing | With |
| Contact Base Material | Phosphor Bronze |
| Contact Current Rating (Max) | 11.2 A |
| Mating Pin Diameter | 1 mm [.039 in] |
| Contact Mating Area Plating Material Thickness | .76 µm [30 µin] |
| Wire Contact Termination Area Plating Thickness | 2.54 µm [100 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

| | |
|-------------------------|---------|
| Wire Insulation Support | Without |
|-------------------------|---------|

Dimensions

| | |
|--------------------------------------|--------------------------------|
| Wire Size | .12 – .4 mm ² |
| Compatible Insulation Diameter Range | 1.19 – 1.75 mm[.047 – .069 in] |

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-0 |

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 7000 |
| 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 | 有害物质含量符合标准要求 No Restricted Substance(s) 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 # 1445816-1
RECPT,11-9,FLNG MT,STD KEY



TE Part # 1-172169-9
9 POS TR MINI UNIV



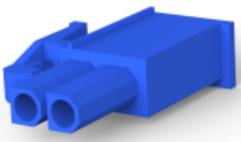
TE Part # 1-172169-2
MINI UNIVERSAL M-N-L PLUG 9P



TE Part # 1-172336-2
UNIVERSAL MATE-N-LOK PLUG 2P



TE Part # 1-172336-6
UNIVERSAL MATE-N-LOK PLUG 2P



TE Part # 1-172165-6
2CIR MINI U-M-N-L PLUG BLUE



TE Part # 1-172165-9
2CIR MINI U-M-N-L PLUG BLCK



TE Part # 1445389-1
REC,8-4,FRE HG,SM INS,STD KEY



TE Part # 1445828-1
REC,11-6,FRE HNG,SM INS,STD KE



TE Part # 1445823-3
REC,11-6,FLNG MT,LG INS,STD KE



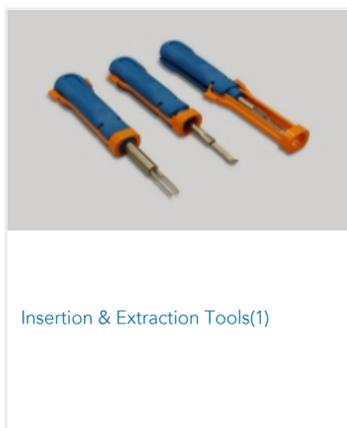
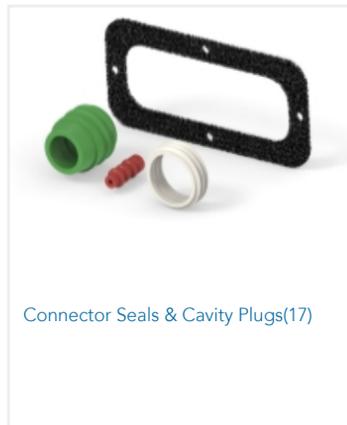
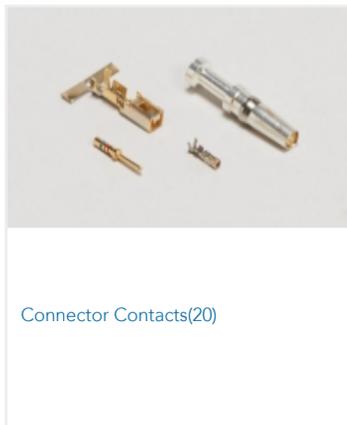
TE Part # 1445390-3
PLUG,8-4,LG INS,STD KEY



TE Part # 1445522-3
REC,8-2,FRE HNG,LG INS,STD KEY



Also in the Series | **Mini-Universal MATE-N-LOK**



Also in the Series | **Mini Circular Plastic Connectors**



Circular Power Connectors(40)

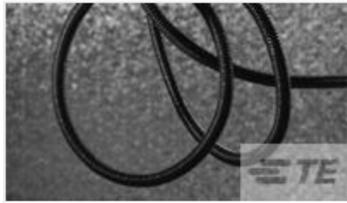


Connector Contacts(20)



Power Contacts(20)

Customers Also Bought



TE Part #1618474004
HCTE-0625-0-SP



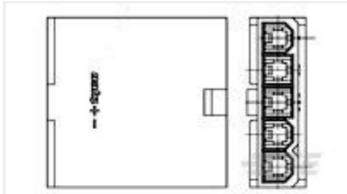
TE Part #CAT-NTC0001
Standard Epoxy NTC Thermistors



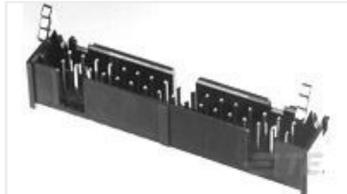
TE Part #322455
TERMINAL,SOLIS R 12-10 10



TE Part #2-1445100-5
MICRO MNL HDR ASSY S/ROW LF



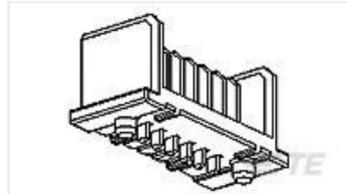
TE Part #1586103-3
3P PLUG VAL-U-LOK SR FH V2



TE Part #3-1761608-7
IDC LOW PRO HDR 64P VERT SHT L



TE Part #2311773-1
AMPL PLUG, HD22, R/A, 62P, THREADED



TE Part #5787531-1
MDI HEADER ASSEMBLY,6P



TE Part #GASMD210KF375HT
RSEN-SMD DEVICE

Documents

Product Drawings

[MINI UMNL SOK 26-22 AWG AU LF](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1-770902-1_T.2d_dxf.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG_CVM_CVM_1-770902-1_T.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-770902-1_T.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[AMP Circular Connectors for Commercial Signal & Power Applications Continued](#)

English

[SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG](#)

English

Product Specifications

[Application Specification](#)

English

Instruction Sheets

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

English