



MATE-N-LOK | Mini-Universal MATE-N-LOK 2

TE Internal #: 794221-3

Power Contacts, Contact, 600 VAC, 600 VDC, Gold, 22 – 18 AWG

Wire Size, .3 – .9 mm² Wire Size, Wire & Cable, Crimp, Power, Mini-Universal MATE-N-LOK 2

[View on TE.com >](#)

Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Operating Voltage: **600 VDC**

Contact Mating Area Plating Material: **Gold**

Wire Size: **22 – 18 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 | 600 VDC |
|-------------------|---------|

Contact Features

| | |
|---|-------------------|
| Contact Mating Area Plating Material | Gold |
| Contact Current Rating (Max) | 10.5 A |
| Contact Type | Socket |
| Contact Retention Within Housing | Without |
| Mating Pin Diameter | 1 mm [.039 in] |
| Contact Base Material | Brass |
| 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 | Tin-Lead |



| | |
|---|-----------------|
| 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 |
|------------------------------------|-------|

Mechanical Attachment

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

Dimensions

| | |
|--------------------------------------|-------------------------------|
| Wire Size | .3 – .9 mm ² |
| Compatible Insulation Diameter Range | 1.5 – 2.39 mm[.059 – .094 in] |

Usage Conditions

| | |
|-----------------------------|---------------------------|
| Operating Temperature Range | -20 – 105 °C[-4 – 221 °F] |
|-----------------------------|---------------------------|

Operation/Application

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

Industry Standards

| | |
|-----------------|------------|
| UL Rating | Recognized |
| Agency/Standard | CSA, UL |

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 4500 |
| Packaging Method | Reel |

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

| | |
|---|--|
| EU RoHS Directive 2011/65/EU | Not Compliant |
| EU ELV Directive 2000/53/EC | Compliant with Exemptions |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 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) SVHC > Threshold: Pb (13% in Component Part) <small>Article Safe Usage Statements:</small> |



Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

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 # 91522-1
CCII MINI UNML PIN SKT 22-18 ASSY



TE Part # 90759-1
PROCRIMP TL W/DIE MIN UNIV MNL



TE Part # 455830-1
INSERTION TOOL



TE Part # 794215-1
24P MINI UMNL2 CAP HSG UL94V0



TE Part # 794200-1
12P MINI UMNL2 PLUG HSG MATRIX



TE Part # 794198-1
12P MINI UMNL2 PLUG HSG DBLROW



TE Part # 794210-1
20P MINI UMNL2 PLUG HSG UL94V0



TE Part # 794194-1
09P MINI UMNL2 PLUG HSG UL94V0



TE Part # 794187-1
03P MINI UMNL2 CAP HSG UL94V0



TE Part # 794205-1
15P MINI UMNL2 CAP HSG UL94V0



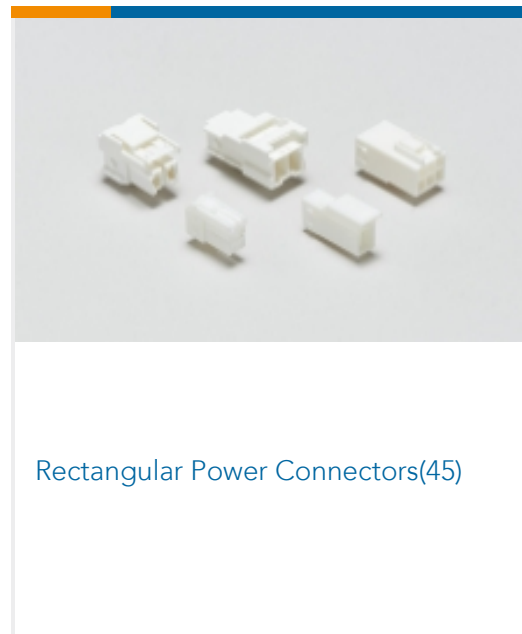
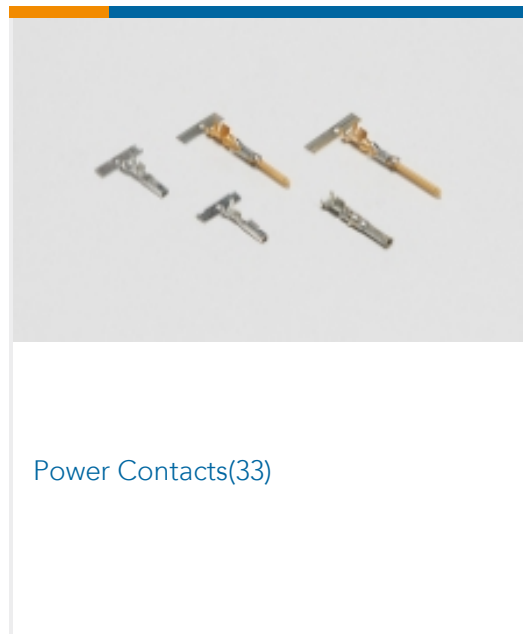
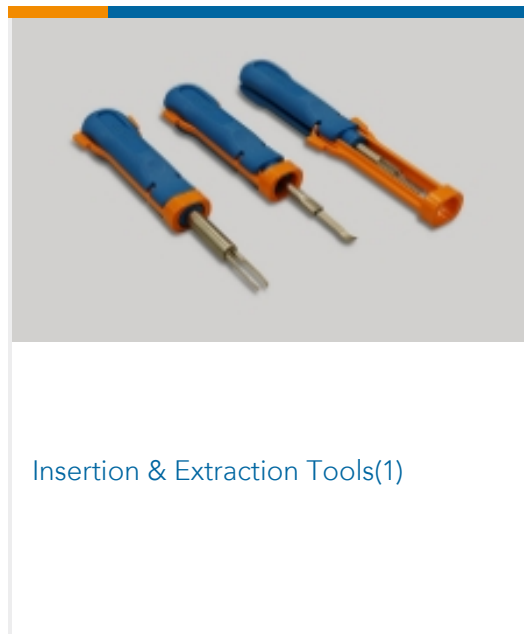
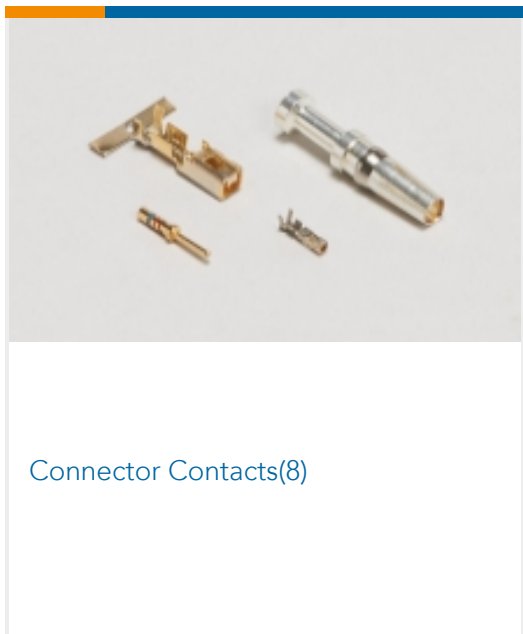
TE Part # 794191-1
06P MINI UMNL2 CAP HSG UL94V0



TE Part # 794196-1
10P MINI UMNL2 PLUG HSG UL94V0



Also in the Series | Mini-Universal MATE-N-LOK 2



Customers Also Bought





TE Part #1393143-1
27E043=SOCKET,KU,11,SLG,NYL,N



TE Part #5-103957-8
2X9 MTE RCPT SR LATCH .100CL

Documents

Product Drawings

[MINI UMNL2 SOK 22-18 AWG AU](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_794221-3_P.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_794221-3_P.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_794221-3_P.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG](#)

English

Product Specifications

[Engineering Report](#)

English

Product Environmental Compliance

[MD_794221-3_120820132251_dmtec](#)

English

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