

1-794222-0 ✓ ACTIVE

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

TE Internal #: 1-794222-0

Pin Contact, Gold, 600 VAC, 600 VDC, 20 – 16 AWG Wire Size, .5 – 1.4 mm² Wire Size, Crimp, Brass, Power, Mini-Universal MATE-N-LOK 2

[View on TE.com >](#)



Connectors > Contacts > Connector Contacts



Contact Type: **Pin**

Contact Mating Area Plating Material: **Gold**

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

Operating Voltage: **600 VDC**

Features

Industry Standards

| | |
|---|---------|
| Compatible With Agency/Standards Products | UL, CSA |
|---|---------|

Product Type Features

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

Mechanical Attachment

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

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 5000 |
|--------------------|------|

| | |
|------------------|------|
| Packaging Method | Reel |
|------------------|------|

Dimensions

| | |
|--------------------------------------|-----------------------------|
| Compatible Insulation Diameter Range | 2 – 3.2 mm [.079 – .126 in] |
|--------------------------------------|-----------------------------|

| | |
|-----------|--------------------------|
| Wire Size | .5 – 1.4 mm ² |
|-----------|--------------------------|

Contact Features

| | |
|-------------------------------|--------|
| Contact Underplating Material | Nickel |
|-------------------------------|--------|

| | |
|---------------------|----------|
| Contact Orientation | Straight |
|---------------------|----------|



| | |
|---|-------------------------------|
| Mating Pin Diameter | 1 mm[.039 in] |
| Contact Underplating Material Thickness | 1.27 μm[50 μin] |
| Contact Mating Area Plating Material Thickness | .76 μm[30 μin] |
| Wire Contact Termination Area Plating Material Finish | Matte |
| Wire Contact Termination Area Plating Thickness | 2.54 – 6.35 μm[100 – 250 μin] |
| Barrel Type | Open |
| Contact Type | Pin |
| Contact Mating Area Plating Material | Gold |
| Wire Contact Termination Area Plating Material | Tin |
| Contact Retention Within Housing | Without |
| Contact Base Material | Brass |
| Contact Current Rating (Max) | 10.5 A |

Electrical Characteristics

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

Termination Features

| | |
|------------------------------------|--------------|
| Termination Method to Wire & Cable | Crimp |
| Product Terminates To | Wire & Cable |

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

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

Other

| | |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance | Compliant |

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 2024 (241) |



Candidate List Declared Against: JUNE 2024 (241)

Does not contain REACH SVHC

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

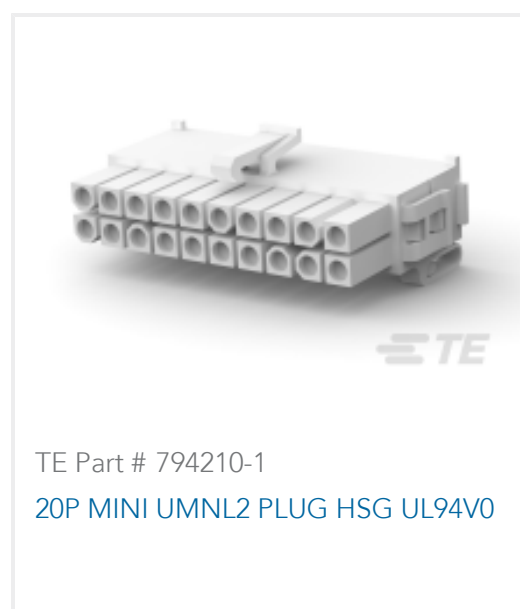
Solder Process Capability

Not reviewed for solder process capability

Product Compliance Disclaimer

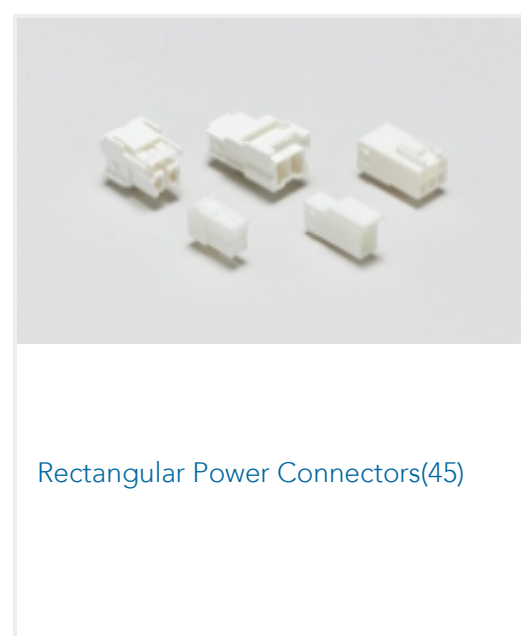
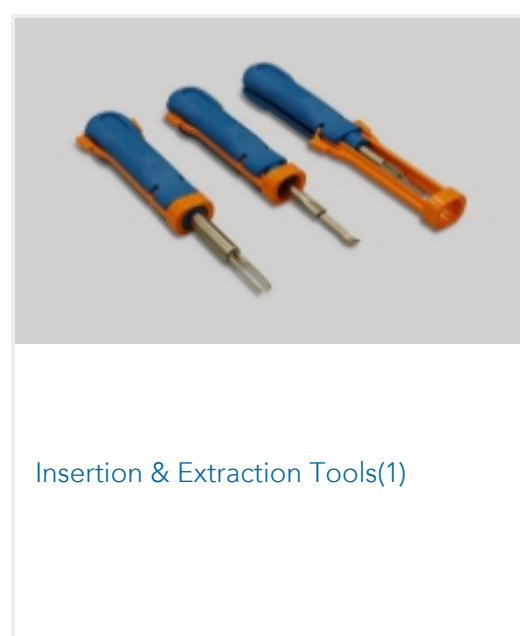
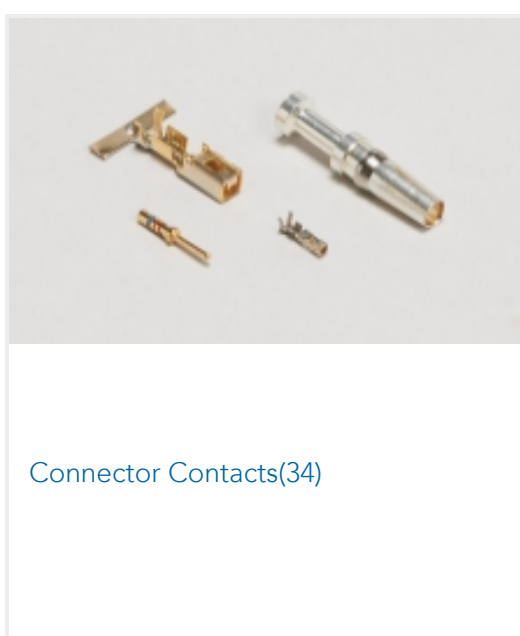
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



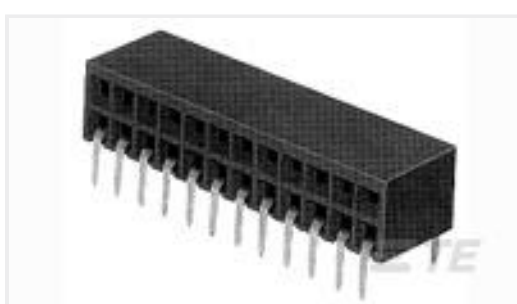


Also in the Series | Mini-Universal MATE-N-LOK 2



Customers Also Bought





TE Part #1-216604-0
2X10P HV190FEDERLEI



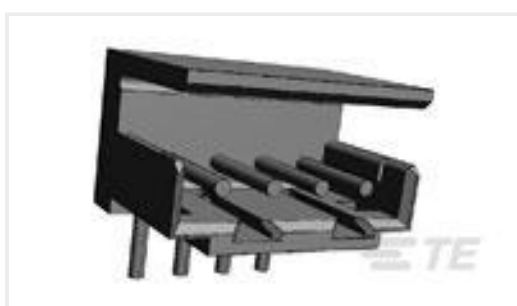
TE Part #794185-1
02P MINI UMNL2 CAP HSG UL94V0



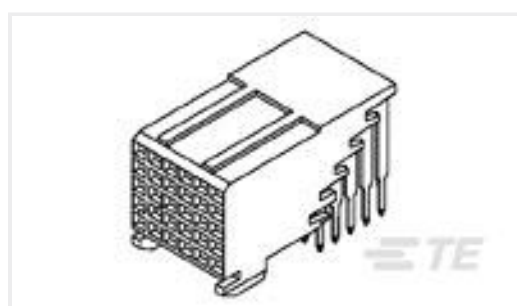
TE Part #794184-1
02P MINI UMNL2 PLUG HSG UL94V0



TE Part #794223-1
MINI UMNL2 SCKT 20-16AWG SN



TE Part #292250-4
CT P/HDR BOX H ASSY 4P W/KINK



TE Part #5223004-5
FB-5R,ASY,150,SIG,REC,SL,2.73

Documents

Product Drawings

[MINI UMNL2 PIN 20-16AWG AU LF](#)

English

CAD Files

Customer View Model

[ENG_CVM_1-794222-0_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1-794222-0_E.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1-794222-0_E.2d_dxf.zip](#)

English

3D PDF

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-794222-0_J.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-794222-0_J.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-794222-0_J.3d_stp.zip](#)

English



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Datasheets & Catalog Pages

[SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG](#)

English

Product Specifications

[Application Specification](#)

English