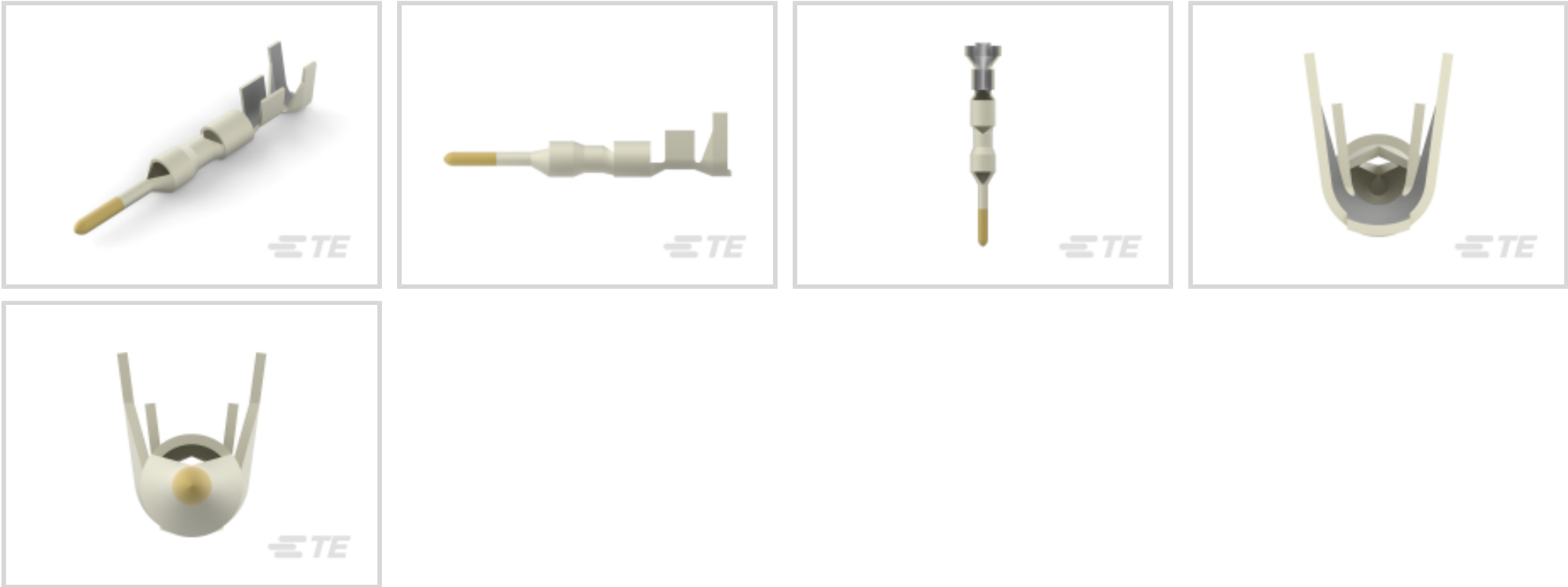




Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Operating Voltage: **600 VDC**

Contact Mating Area Plating Material: **Gold**

Wire Size: **22 – 18 AWG**

Features

Product Type Features

|                                   |              |
|-----------------------------------|--------------|
| Power Contact Type                | Contact      |
| Connector System                  | Wire-to-Wire |
| 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                                    | Pin              |
| 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              |



|                                                       |                 |
|-------------------------------------------------------|-----------------|
| Wire Contact Termination Area Plating Material Finish | Matte           |
| 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

|                         |                            |
|-------------------------|----------------------------|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
| Wire Insulation Support | Without                    |

Dimensions

|                                        |                              |
|----------------------------------------|------------------------------|
| Wire Size                              | .3 – .9 mm²                  |
| Accepts Wire Insulation Diameter Range | 1.5 – 2.79 mm[.059 – .11 in] |

Usage Conditions

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

Operation/Application

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

Industry Standards

|                  |                               |
|------------------|-------------------------------|
| CSA Rating       | Certified                     |
| Glow Wire Rating | Standard Part - Not Glow Wire |
| VDE Tested       | No                            |
| Agency/Standard  | CSA, UL                       |
| CSA File Number  | LR 7189                       |
| UL Rating        | Recognized                    |
| UL File Number   | E28476                        |

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Method   | Bag  |
| Packaging Quantity | 1000 |

Other

|                 |                     |
|-----------------|---------------------|
| Wire/Cable Type | Discrete Wire       |
| Wire Type       | Stranded            |
| For Use With    | Plug or Cap Housing |



Comment

These contacts can be used in either Mini-Universal MATE-N-LOK 2 Plug or Cap housings ONLY.

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)<br>Candidate List Declared Against: JUNE 2022 (224)<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

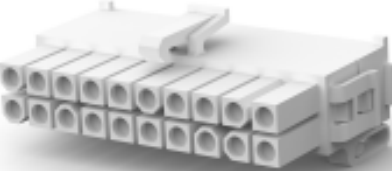
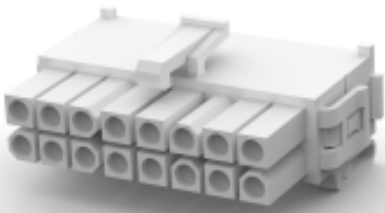
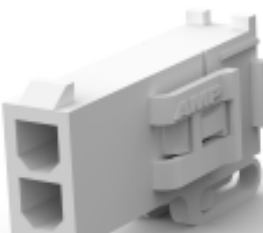
TE Part # 91522-1  
CCII MINI UNML PIN SKT 22-18 ASSY

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

TE Part # 189727-1  
EXTRACTION TOOL

TE Part # 455830-1  
INSERTION TOOL



|                                                                                                                                             |                                                                                                                                             |                                                                                                                                              |                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <br>TE Part # 794215-1<br>24P MINI UMNL2 CAP HSG UL94V0    | <br>TE Part # 794200-1<br>12P MINI UMNL2 PLUG HSG MATRIX   | <br>TE Part # 794198-1<br>12P MINI UMNL2 PLUG HSG DBLROW  | <br>TE Part # 794210-1<br>20P MINI UMNL2 PLUG HSG UL94V0   |
| <br>TE Part # 794206-1<br>16P MINI UMNL2 PLUG HSG UL94V0   | <br>TE Part # 794194-1<br>09P MINI UMNL2 PLUG HSG UL94V0   | <br>TE Part # 794205-1<br>15P MINI UMNL2 CAP HSG UL94V0   | <br>TE Part # 794191-1<br>06P MINI UMNL2 CAP HSG UL94V0    |
| <br>TE Part # 794196-1<br>10P MINI UMNL2 PLUG HSG UL94V0 | <br>TE Part # 794192-1<br>08P MINI UMNL2 PLUG HSG UL94V0 | <br>TE Part # 794193-1<br>08P MINI UMNL2 CAP HSG UL94V0 | <br>TE Part # 794241-1<br>04P MINI UMNL2 PLUG HSG UL94V2 |
| <br>TE Part # 794190-1<br>06P MINI UMNL2 PLUG HSG UL94V0 | <br>TE Part # 794186-1<br>03P MINI UMNL2 PLUG HSG UL94V0 | <br>TE Part # 794185-1<br>02P MINI UMNL2 CAP HSG UL94V0 | <br>TE Part # 794189-1<br>04P MINI UMNL2 CAP HSG UL94V0  |

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

|                                                                                                               |                                                                                                                        |                                                                                                             |                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <br>Connector Contacts(12) | <br>Insertion & Extraction Tools(1) | <br>Power Contacts(35) | <br>Rectangular Power Connectors(49) |
|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|

Documents



Product Drawings

MINI UMN2 PIN 22-18 AWG AU LP

English

CAD Files

Customer View Model

ENG\_CVM\_1-794228-0\_E.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_1-794228-0\_E.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_1-794228-0\_E.2d\_dxf.zip

English

3D PDF

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-794228-0\_D.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-794228-0\_D.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-794228-0\_D.3d\_stp.zip

English

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Datasheets & Catalog Pages

SOFT\_SHELL\_PIN\_AND\_SOCKET\_CONNECTORS\_CATALOG

English

Product Environmental Compliance

MD\_1-794228-0\_04042014237\_dmtec

English

MD\_1-794228-0\_04042014237\_dmtec

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