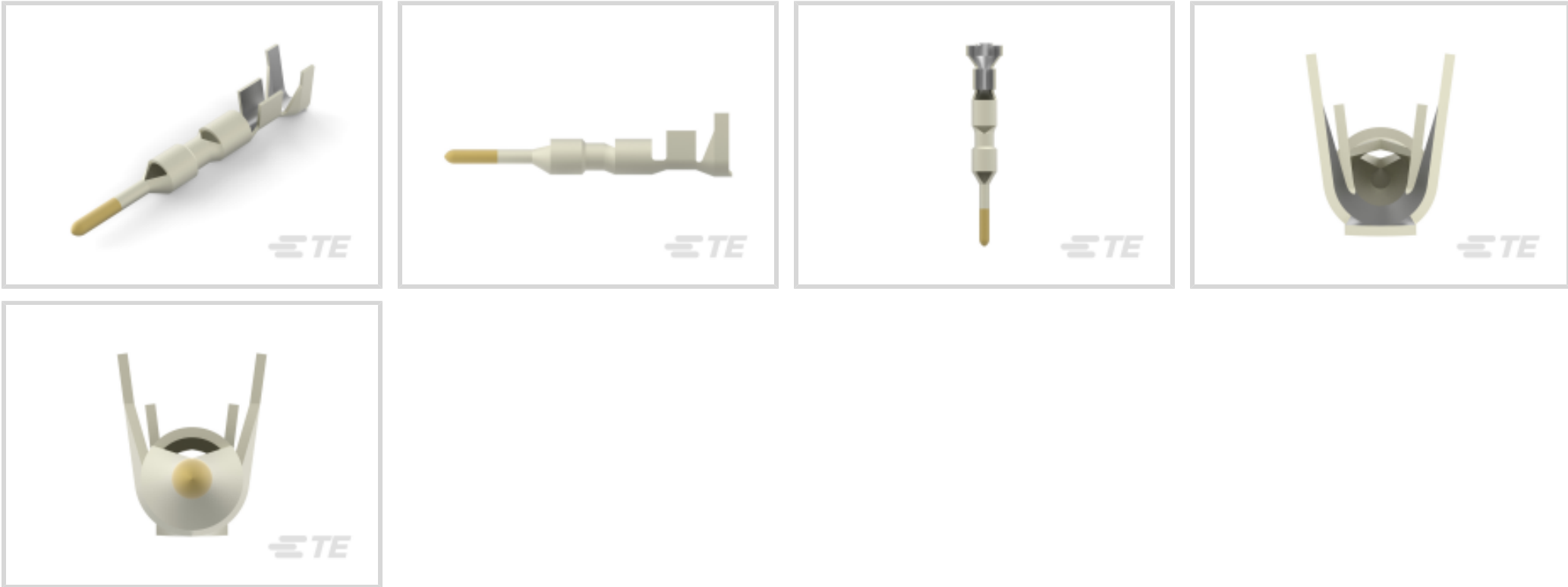




Connectors > Power Connectors > Power Contacts



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                                    | 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

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

Dimensions

|                                      |                               |
|--------------------------------------|-------------------------------|
| Wire Size                            | .3 – .9 mm²                   |
| 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

|                 |                    |
|-----------------|--------------------|
| CSA Rating      | Certified, LR 7189 |
| 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                  | 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 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<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 # 91522-1<br/>CCII MINI UNML PIN SKT 22-18 ASSY</p> |  <p>TE Part # 90759-1<br/>PROCRIMP TL W/DIE MIN UNIV MNL</p> |  <p>TE Part # 189727-1<br/>EXTRACTION TOOL</p>               |  <p>TE Part # 455830-1<br/>INSERTION TOOL</p>                |
|  <p>TE Part # 794215-1<br/>24P MINI UMN2 CAP HSG UL94V0</p>     |  <p>TE Part # 794200-1<br/>12P MINI UMN2 PLUG HSG MATRIX</p> |  <p>TE Part # 794198-1<br/>12P MINI UMN2 PLUG HSG DBLROW</p> |  <p>TE Part # 794210-1<br/>20P MINI UMN2 PLUG HSG UL94V0</p> |
|  <p>TE Part # 794206-1<br/>16P MINI UMN2 PLUG HSG UL94V0</p>    |  <p>TE Part # 794194-1<br/>09P MINI UMN2 PLUG HSG UL94V0</p> |  <p>TE Part # 794205-1<br/>15P MINI UMN2 CAP HSG UL94V0</p>  |  <p>TE Part # 794191-1<br/>06P MINI UMN2 CAP HSG UL94V0</p>  |





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



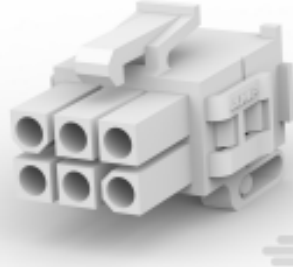
TE Part # 794192-1  
08P MINI UMNL2 PLUG HSG UL94V0



TE Part # 794193-1  
08P MINI UMNL2 CAP HSG UL94V0



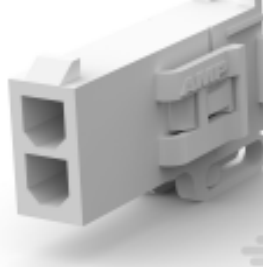
TE Part # 794241-1  
04P MINI UMNL2 PLUG HSG UL94V2



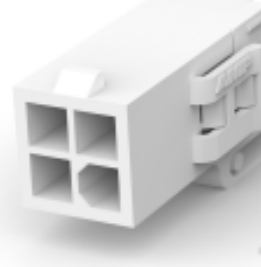
TE Part # 794190-1  
06P MINI UMNL2 PLUG HSG UL94V0



TE Part # 794186-1  
03P MINI UMNL2 PLUG HSG UL94V0



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



TE Part # 794189-1  
04P MINI UMNL2 CAP HSG UL94V0

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



Connector Contacts(8)



Insertion & Extraction Tools(1)



Power Contacts(33)



Rectangular Power Connectors(45)

Customers Also Bought



TE Part #1-207369-1  
CPC RECEPT ASSY SIZE 17-28 LF



TE Part #205841-3  
CPC RECPT ASSEMBLY SIZE 11-8



TE Part #1-1721150-0  
ORWH-SH-105D1F,000



TE Part #1586359-4  
04P MINIMUMNL GANG WIRE SEAL DR



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



TE Part #2-34071-3  
SPL,PG BUTT 16-14,FUNNEL ENTRY



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



TE Part #1-794221-0  
MINI UMNL2 SOK 22-18AWG AU LF



Documents

Product Drawings

MINI UMNL2 PIN 22-18 AWG AU

English

CAD Files

Customer View Model

ENG\_CVM\_1-794220-0\_F.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_1-794220-0\_F.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_1-794220-0\_F.2d\_dxf.zip

English

3D PDF

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-794220-0\_J.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-794220-0\_J.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-794220-0\_J.3d\_stp.zip

English

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Datasheets & Catalog Pages

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

English

Product Specifications

Product Specification

English



Product Environmental Compliance

TE Material Declaration

English