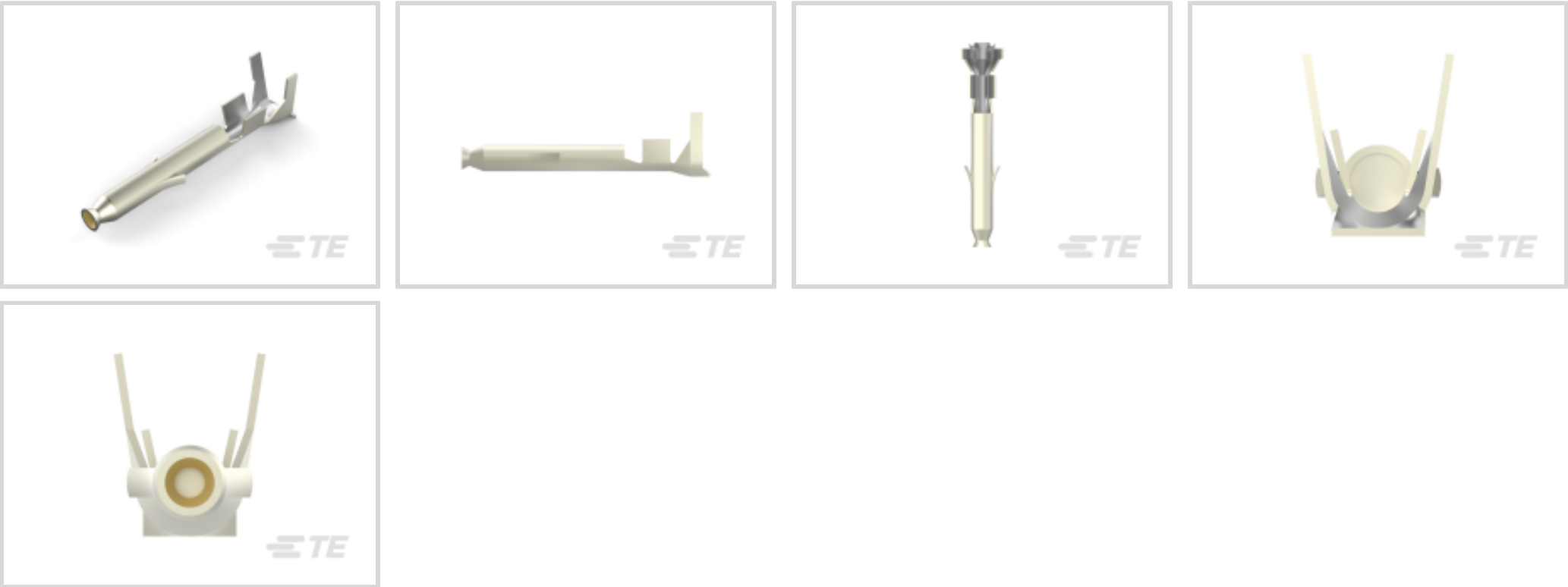




Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

Contact Mating Area Plating Material: **Gold**

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

Operating Voltage: **600 VDC**

Features

Product Type Features

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

Electrical Characteristics

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

Contact Features

|                                                       |                  |
|-------------------------------------------------------|------------------|
| Mating Pin Diameter                                   | 1 mm[.039 in]    |
| Contact Underplating Material Thickness               | 1.27 µm[50 µin]  |
| Wire Contact Termination Area Plating Thickness       | 2.54 µm[100 µin] |
| Wire Contact Termination Area Plating Material Finish | Matte            |
| Contact Mating Area Plating Material Thickness        | .76 µm[30 µin]   |
| Contact Orientation                                   | Straight         |
| Contact Underplating Material                         | Nickel           |
| Contact Type                                          | Socket           |
| Contact Mating Area Plating Material                  | Gold             |
| Wire Contact Termination Area Plating Material        | Tin-Lead         |
| Contact Retention Within Housing                      | With             |



|                              |        |
|------------------------------|--------|
| Contact Base Material        | Brass  |
| Contact Current Rating (Max) | 11.2 A |

Termination Features

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

Mechanical Attachment

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

Dimensions

|                                      |                               |
|--------------------------------------|-------------------------------|
| Compatible Insulation Diameter Range | 1.5 - 2.39 mm[.059 - .094 in] |
| Wire Size                            | .3 - .9 mm²                   |

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

Packaging Features

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

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: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<br>SVHC > Threshold:<br>Pb (13% in Component Part)<br><b>Article Safe Usage Statements:</b><br>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 # CAT-AM71-C83998EE<br>Mini Circular Plastic Connectors (CPC) | TE Part # 91522-1<br>CCII MINI UMNL PIN SKT 22-18 ASSY | TE Part # 90759-1<br>PROCrimp TL W/DIE MIN UNIV MNL | TE Part # 189727-1<br>EXTRACTION TOOL        |
|                                                                       |                                                        |                                                     |                                              |
| TE Part # 455830-1<br>INSERTION TOOL                                  | TE Part # 770586-1<br>22P MINI UMNL PLUG HSG           | TE Part # 770587-1<br>24P MINI UMNL PLUG HSG        | TE Part # 770582-1<br>14P MINI UMNL PLUG HSG |
|                                                                       |                                                        |                                                     |                                              |
| TE Part # 770585-1<br>20P MINI UMNL PLUG HSG                          | TE Part # 172333-1<br>MINI UNIVERSAL M-N-L HOUSING     | TE Part # 794781-1<br>10P MINI UMNL PLUG HSG        | TE Part # 794941-1<br>08P MINI UMNL CAP HSG  |

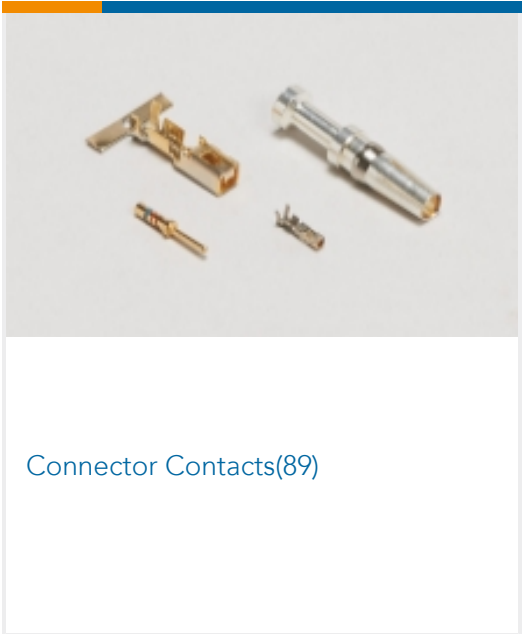
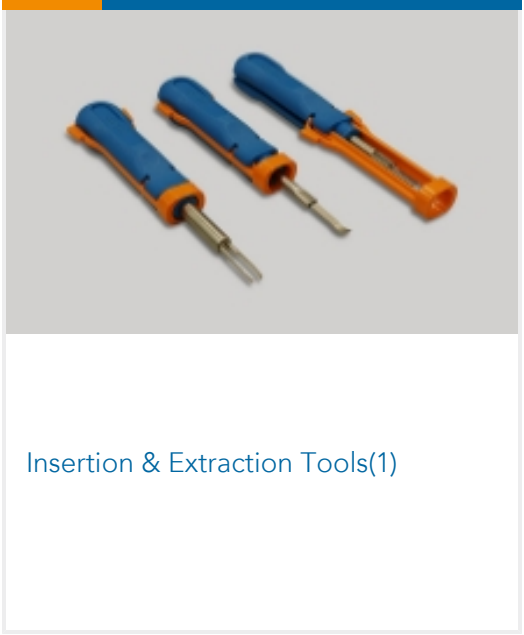




|                                                                                                                                                |                                                                                                                                          |                                                                                                                                                             |                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 794895-1<br/>6 CIR MINI UMNL RND WIRE HOLES</p> |  <p>TE Part # 794821-1<br/>08P MINI UMNL PLUG HSG</p>  |  <p>TE Part # 794940-1<br/>06P MINI UMNL CAP HSG</p>                     |  <p>TE Part # 770581-1<br/>12P MINI UMNL PLUG HSG</p>                    |
|  <p>TE Part # 770580-1<br/>10P MINI UMNL PLUG HSG</p>        |  <p>TE Part # 770584-1<br/>18P MINI UMNL PLUG HSG</p> |  <p>TE Part # 172328-1<br/>MINI UNIVERSAL MATE-N-LOK CAP HOUSING 2P</p> |  <p>TE Part # 172330-1<br/>MINI UNIVERSAL MATE-N-LOK CAP HOUSING 4P</p> |

Also in the Series

Mini-Universal MATE-N-LOK

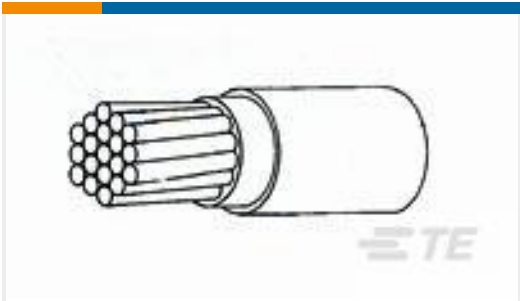
|                                                                                                                           |                                                                                                                                 |                                                                                                                                |                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Connector Caps &amp; Covers(2)</p> |  <p>Connector Contacts(89)</p>              |  <p>Connector Hardware(4)</p>             |  <p>Connector Seals &amp; Cavity Plugs(17)</p> |
|  <p>Connector Strain Relief(2)</p>     |  <p>Insertion &amp; Extraction Tools(1)</p> |  <p>Rectangular Power Connectors(197)</p> |                                                                                                                                     |

Customers Also Bought

|                                                                                                                                          |                                                                                                                                                  |                                                                                                                                                     |                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 640309-6<br/>UMNL PIN 12-10 AU/PHBZ</p> |  <p>TE Part # 350705-7<br/>UMNL SPLIT PIN 20-14 AUBR L/P</p> |  <p>TE Part # 1445022-3<br/>MICRO MNL RFECEPT HSG SINGLE R</p> |  <p>TE Part # 3-1623774-4<br/>C14 47K 5% (LOOSE)</p> |
|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|



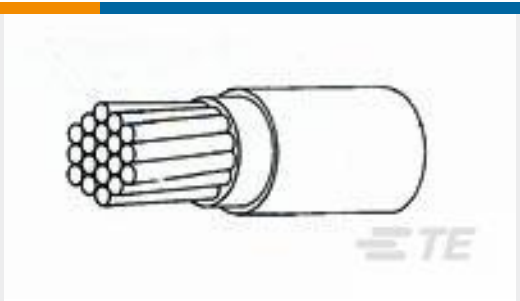




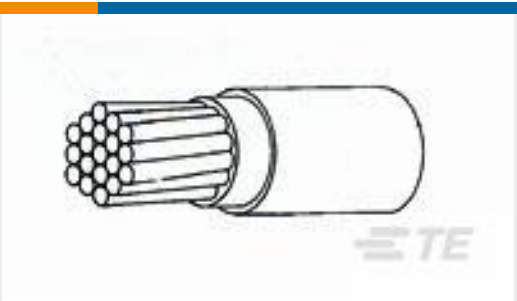
TE Part # 2822383005  
44A0111-14-2



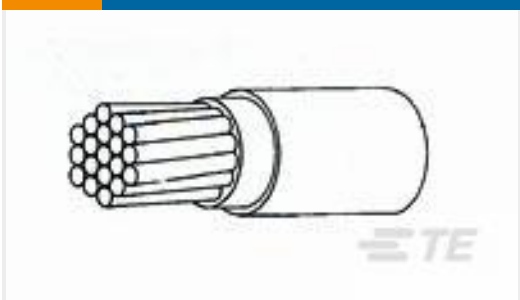
TE Part # 1776293-6  
TSB23006DS=EUROPA TERM BLK, 8MM



TE Part # 2820063010  
44A0111-16-6



TE Part # 2822363005  
44A0111-14-0



TE Part # 282064-000  
44A0111-14-9

Documents

Product Drawings

MINI UMNL SOK 22-18AWG AU LP

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_770988-3\_E.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_770988-3\_E.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_770988-3\_E.3d\_stp.zip

English

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

Datasheets & Catalog Pages

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

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

770988-3

Socket Contact, Gold, 600 VAC, 600 VDC, 22 - 18 AWG Wire Size, .3 - .9 mm<sup>2</sup> Wire Size, Crimp, Brass, Power, Mini-Universal MATE-N-LOK



English