



Connectors > Power Connectors > Circular Power > Circular Power Connectors



Number of Positions: 8  
Connector Product Type: Housing  
Operating Voltage: 250 VDC  
Wire Size: .0509 – .823 mm<sup>2</sup>

Features

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 100 |
| Packaging Method   | Bag |

Mechanical Attachment

|                       |                   |
|-----------------------|-------------------|
| Mating Retention Type | Threaded Coupling |
| Thread Size           | 3/4-20 UNEF-2A    |
| Mating Alignment      | With              |
| Mating Retention      | With              |
| Panel Mount Feature   | Without           |

Dimensions

|                                      |                              |
|--------------------------------------|------------------------------|
| Compatible Insulation Diameter Range | 1.5 – 2.39 mm[.059 – .11 in] |
| Wire Size                            | .0509 – .823 mm <sup>2</sup> |

Product Type Features

|                            |                 |
|----------------------------|-----------------|
| Connector Seal & Plug Type | Wire Entry Seal |
| Connector Product Type     | Housing         |



|                                   |              |
|-----------------------------------|--------------|
| Connector System                  | Wire-to-Wire |
| Sealable                          | Yes          |
| Connector & Contact Terminates To | Wire & Cable |
| Connector & Housing Type          | Plug         |
| Circular Connector Shell Type     | All Plastic  |

Configuration Features

|                            |         |
|----------------------------|---------|
| Reverse Numbering          | Without |
| Number of Positions        | 8       |
| Number of Power Positions  | 0       |
| Number of Signal Positions | 8       |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 250 VAC |
|-------------------|---------|

Contact Features

|                              |        |
|------------------------------|--------|
| Reverse Gender               | No     |
| Contact Type                 | Socket |
| Contact Current Rating (Max) | 5.9 A  |

Termination Features

|                                    |       |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Housing Features

|                               |               |
|-------------------------------|---------------|
| Housing Color                 | Black         |
| Housing Material              | Thermoplastic |
| Circular Connector Shell Size | 11            |

Usage Conditions

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

Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
| Shielded            | No             |

Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

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)<br>Candidate List Declared Against: JUL 2021 (219)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                 |
| 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

TE Part # 794058-1  
MINI UMNL SOK L/P

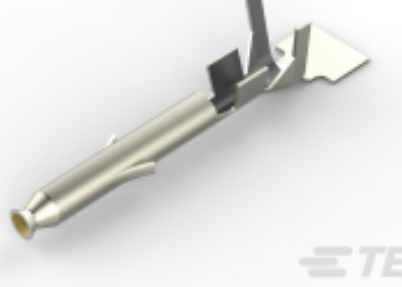
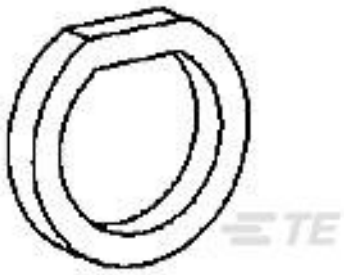
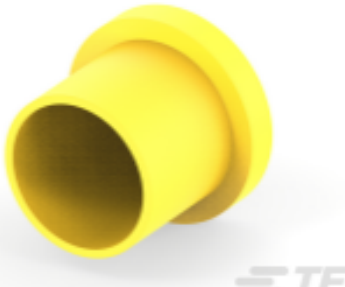
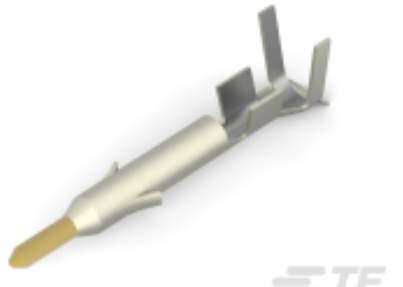
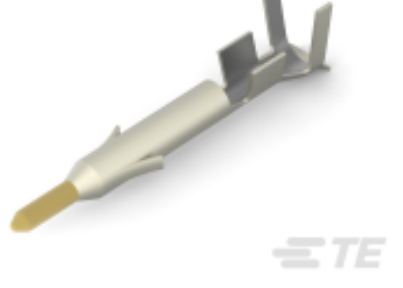
TE Part # 770985-1  
MINI UMNL PIN 26-22AWG SN LP

TE Part # 1-770985-0  
MINI UMNL PIN 26-22AWG AU LP

TE Part # 1-770835-0  
MINI UMNL PIN AU LF





|                                                                                                                                          |                                                                                                                                                   |                                                                                                                                                     |                                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 1-794059-0<br/>MINI UMNL PIN L/P LF</p>   |  <p>TE Part # 1-770902-1<br/>MINI UMNL SOK 26-22 AWG AU LF</p>   |  <p>TE Part # 1-770904-1<br/>MINI UMNL SOK 22-18AWG AU LF</p>    |  <p>TE Part # 770903-3<br/>MINI UMNL PIN 22-18 AWG AU</p>        |
|  <p>TE Part # 770835-3<br/>MINI UMNL PIN AU</p>        |  <p>TE Part # 770834-3<br/>MINI UMNL SOCKET AU</p>              |  <p>TE Part # 770902-4<br/>MINI UMNL SOCK 26-22 AWG SN</p>      |  <p>TE Part # 770985-3<br/>MINI UMNL PIN 26-22AWG AU LP</p>     |
|  <p>TE Part # 1445420-2<br/>SEAL,FLANGE,SIZE 11</p>   |  <p>TE Part # 1445821-1<br/>REC,11-8,FLNG MT,SM INS,STD KE</p> |  <p>TE Part # 2407269-4<br/>CAP, CPC, SIZE 11 PLUG, YELLOW</p> |  <p>TE Part # 1-770903-0<br/>MINI UMNL PIN 22-18 AWG AU</p>    |
|  <p>TE Part # 1-794058-0<br/>MINI UMNL SOK L/P LF</p> |  <p>TE Part # 1-770986-0<br/>MINI UMNL SOK 26-22AWG AU LP</p>  |  <p>TE Part # 1-770901-0<br/>MINI UMNL PIN 26-22 AWG AU LF</p> |  <p>TE Part # 1-770987-0<br/>MINI UMNL PIN 22-18 AWG AU LP</p> |

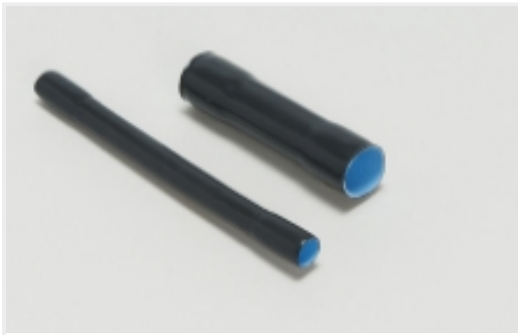
Also in the Series | AMP CPC

|                                                                                                                                          |                                                                                                                            |                                                                                                                    |                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|  <p>Circular Connector Backshells &amp; Clamps(1)</p> |  <p>Circular Power Connectors(423)</p> |  <p>Connector Contacts(6)</p> |  <p>Connector Hardware(12)</p> |
|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|





Power Contacts(6)

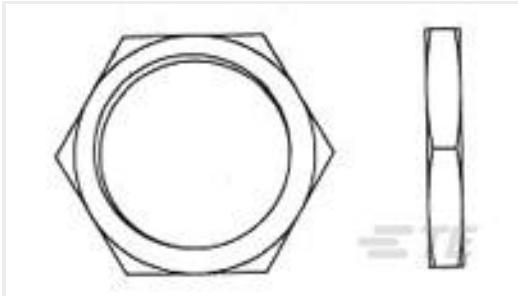


Sealing Sleeves(2)

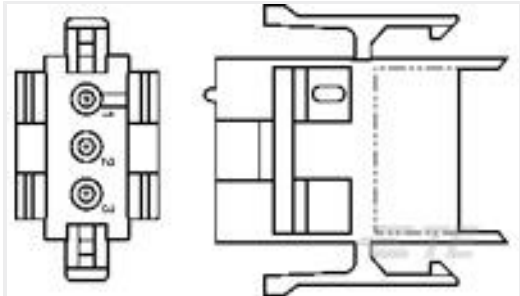
Customers Also Bought



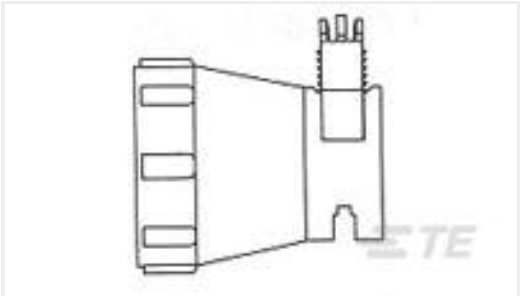
TE Part #66507-3  
20 DF PIN



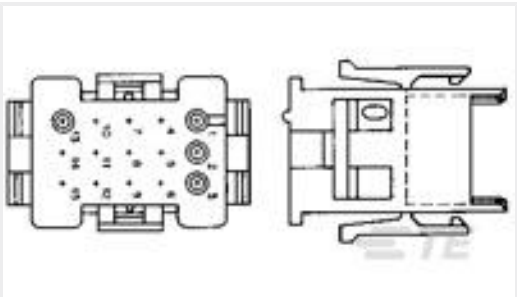
TE Part #1445904-1  
NUT,JAM,3/4-20,PKG QTY 100



TE Part #1-640508-0  
03P MR II CAP HSG V0



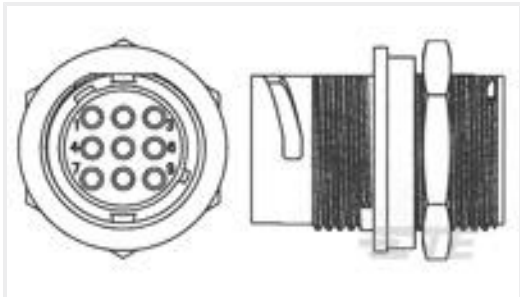
TE Part #1445856-1  
STR RELIEF ASY,STRAIGHT SZ 11



TE Part #1-640510-0  
06P MR II CAP HSG V0



TE Part #66566-4  
III+ PIN,24-20,30AU/FL,LP



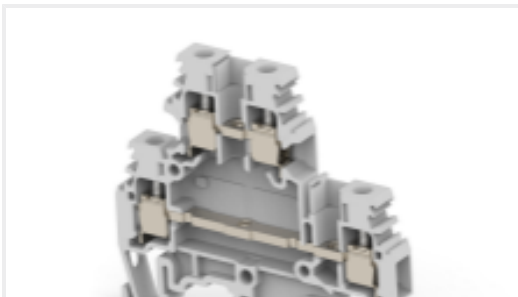
TE Part #1445823-3  
REC, 11-6, FLNG MT, LG INS, STD KE



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



TE Part #770835-3  
MINI UMNL PIN AU



TE Part #1SNA115126R0100  
M4/6.D2.1

Documents

Product Drawings  
PLUG,11-8,LG INS,STD KEY

English

CAD Files  
Customer View Model  
ENG\_CVM\_CVM\_1445817-3\_C1.2d\_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1445817-3\\_C1.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1445817-3\\_C1.3d\\_stp.zip](#)

English

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Datasheets & Catalog Pages

[1-1773902-9\\_CPC\\_Catalog](#)

English

[1-1773902-9\\_CPC\\_Catalog](#)

[1-1773902-9\\_CPC\\_Catalog](#)

German

[1-1773902-9\\_CPC\\_Catalog](#)

Japanese

[AMP Circular Connectors for Commercial Signal & Power Applications Continued](#)

English

Product Specifications

[Application Specification](#)

English