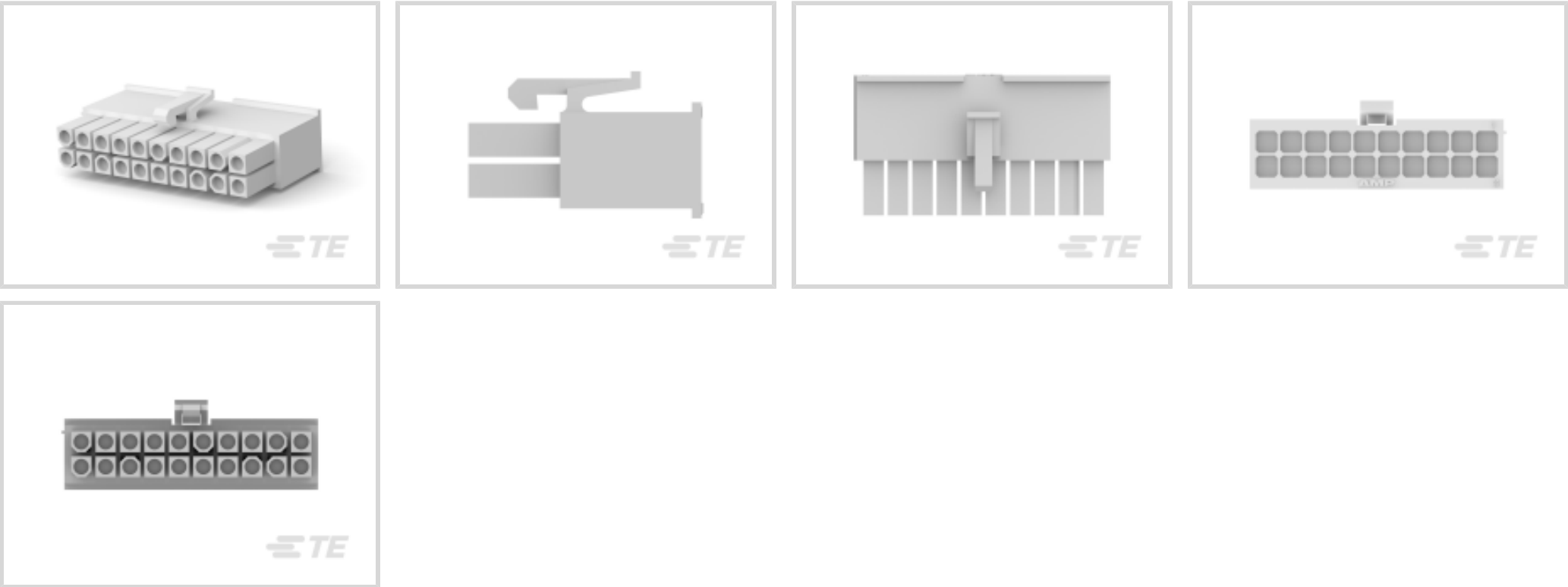




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Wire**

Number of Positions: **20**

Centerline (Pitch): **4.14 mm [ .162 in ]**

Features

Product Type Features

|                                   |              |
|-----------------------------------|--------------|
| Rectangular Power Connector Type  | Housing      |
| Connector & Housing Type          | Plug         |
| Connector System                  | Wire-to-Wire |
| Sealable                          | No           |
| Connector & Contact Terminates To | Wire & Cable |

Configuration Features

|                     |    |
|---------------------|----|
| Number of Positions | 20 |
| Number of Rows      | 2  |

Electrical Characteristics

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

Contact Features

|                                  |         |
|----------------------------------|---------|
| Multiple Contact Types           | Without |
| Contact Retention Within Housing | Without |
| Contact Type                     | Socket  |



Termination Features

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

Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Panel Mount Feature     | Without                    |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

Housing Features

|                    |                  |
|--------------------|------------------|
| Centerline (Pitch) | 4.14 mm[.162 in] |
| Housing Color      | White            |
| Housing Material   | Nylon            |

Dimensions

|                    |                  |
|--------------------|------------------|
| Row-to-Row Spacing | 4.14 mm[.162 in] |
|--------------------|------------------|

Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| Operating Temperature Range | -20 – 105 °C[-4 – 221 °F] |
|-----------------------------|---------------------------|

Operation/Application

|                              |                |
|------------------------------|----------------|
| Assembly Integration Feature | Without        |
| Circuit Application          | Power & Signal |

Industry Standards

|                        |                               |
|------------------------|-------------------------------|
| CSA Rating             | Certified                     |
| UL Flammability Rating | UL 94V-0                      |
| Glow Wire Rating       | Standard Part - Not Glow Wire |
| UL Rating              | Recognized                    |
| Agency/Standard Number | E28476                        |
| CSA File Number        | LR7189                        |
| VDE Tested             | No                            |
| Agency/Standard        | CSA, UL                       |

Packaging Features

|                    |         |
|--------------------|---------|
| Packaging Method   | Package |
| Packaging Quantity | 1       |

Other

|              |                                       |
|--------------|---------------------------------------|
| For Use With | Mini-Universal MATE-N-LOK Cap Housing |
|--------------|---------------------------------------|



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: JAN 2022 (223)<br>SVHC > Threshold:<br>Not Yet Reviewed |
| 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 # 1-794106-0  
20P MINI UMNL R/A HDR ASSY



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

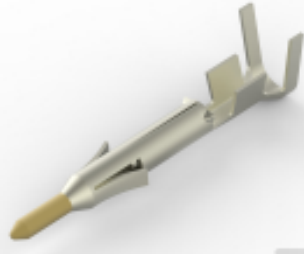
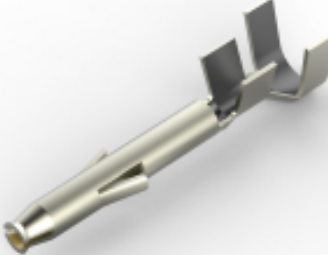
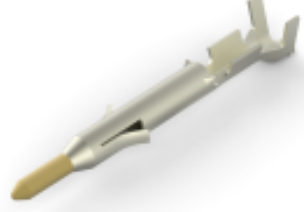
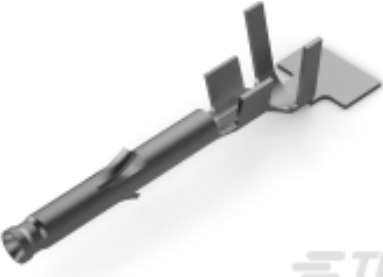
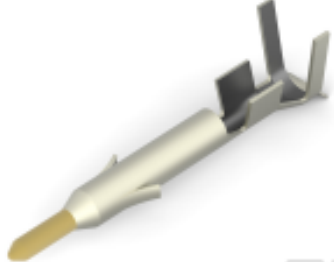
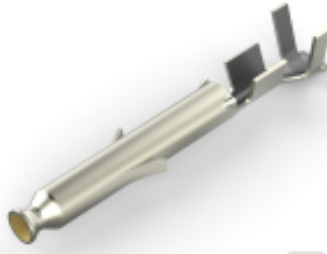


TE Part # 1-770987-0  
MINI UMNL PIN 22-18 AWG AU LP

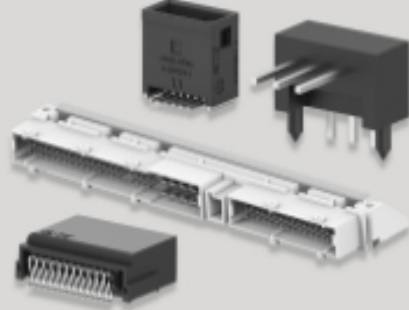


TE Part # 770988-3  
MINI UMNL SOK 22-18AWG AU LP



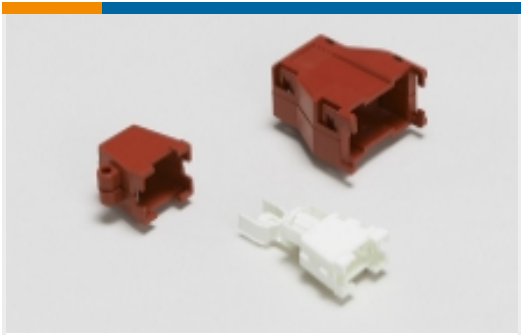
|                                                                                                                                              |                                                                                                                                             |                                                                                                                                            |                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>TE Part # 1-794070-0<br>20P MINI UMNL HDR W/DH SN LF    | <br>TE Part # 1-794077-0<br>20P MINI UMNL HDR W/O DH SN LF | <br>TE Part # 1-794059-0<br>MINI UMNL PIN L/P LF        | <br>TE Part # 770988-1<br>MINI UMNL SOK 22-18AWG SN LP      |
| <br>TE Part # 770986-1<br>MINI UMNL SOK 26-22AWG SN LP      | <br>TE Part # 170365-3<br>MINI UNIVERSAL M-N-L SOCKET LP   | <br>TE Part # 170364-3<br>MINI UNIVERSAL M-N-L PIN LP   | <br>TE Part # 770985-1<br>MINI UMNL PIN 26-22AWG SN LP      |
| <br>TE Part # 1-794407-1<br>MINI UMNL SOK 20-16 AWG AU LF | <br>TE Part # 1-794070-1<br>20P MINI UMNL HDR W/DH AU LF | <br>TE Part # 170363-3<br>MINI UNIVERSAL M-N-L PIN LP | <br>TE Part # 171638-1<br>MINI U-M-N-L PIN CONT. L.P      |
| <br>TE Part # 171639-1<br>MINI U-M-N-L SOCKET L.P         | <br>TE Part # 770903-3<br>MINI UMNL PIN 22-18 AWG AU     | <br>TE Part # 170364-1<br>MINI UNIVERSAL M-N-L PIN LP | <br>TE Part # 1-770902-1<br>MINI UMNL SOK 26-22 AWG AU LF |

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

|                                                                                                               |                                                                                                                        |                                                                                                                       |                                                                                                             |
|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| <br>Connector Contacts(11) | <br>Insertion & Extraction Tools(1) | <br>PCB Headers & Receptacles(1) | <br>Power Contacts(85) |
|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|



Rectangular Backshells & Clamps(2)



Rectangular Boots & Strain Relief(2)



Rectangular Connector Keying Plugs(2)



Rectangular Connector Locking(2)



Rectangular Connector Seals(20)

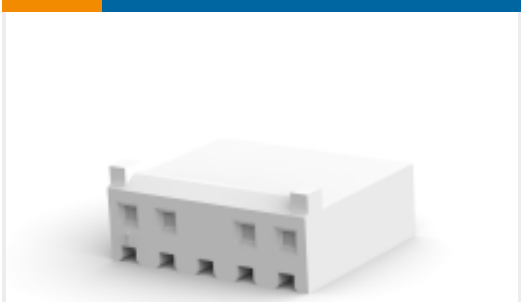


Rectangular Power Connectors(283)

Customers Also Bought



TE Part #1-35787-0  
N PIDG RING 12-10 8



TE Part #640251-2  
3.96mm Wire-to-board housing:  
receptacle, no mating alignment, SL  
156



TE Part #1-1609034-9  
20VSB1=F8333



TE Part #770587-1  
24P MINI UMNL PLUG HSG



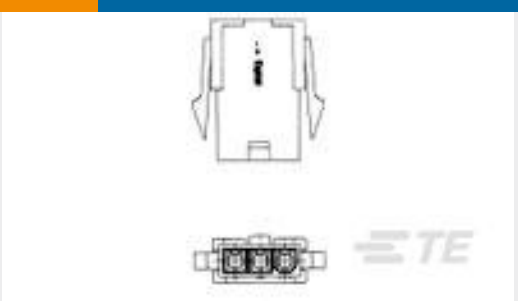
TE Part #1-480722-0  
04P CMNL PLUG HSG W/LCK NATL



TE Part #6609977-3  
36AYA6A = F7747A



TE Part #1776302-1  
TSB100001DS=EUROPA TM BLK,  
12MM



TE Part #1586023-4  
4P S/R PM PLUG VAL-U-LOK V0



TE Part #5053144386  
RNF-100-3/8-BK-SP

Documents



Product Drawings

20P MINI UMNL PLUG HSG

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_770585-1\_N.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_770585-1\_N.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_770585-1\_N.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

1-1773458-0\_MINI\_UNIVERSAL\_MATE\_N\_LOK\_CONNECTOR\_SYSTEM\_QRG

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD\_770585-1\_060820181210\_dmtec

English

MD\_770585-1\_060820181210\_dmtec

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English

Agency Approvals

Agency Approval Document

English