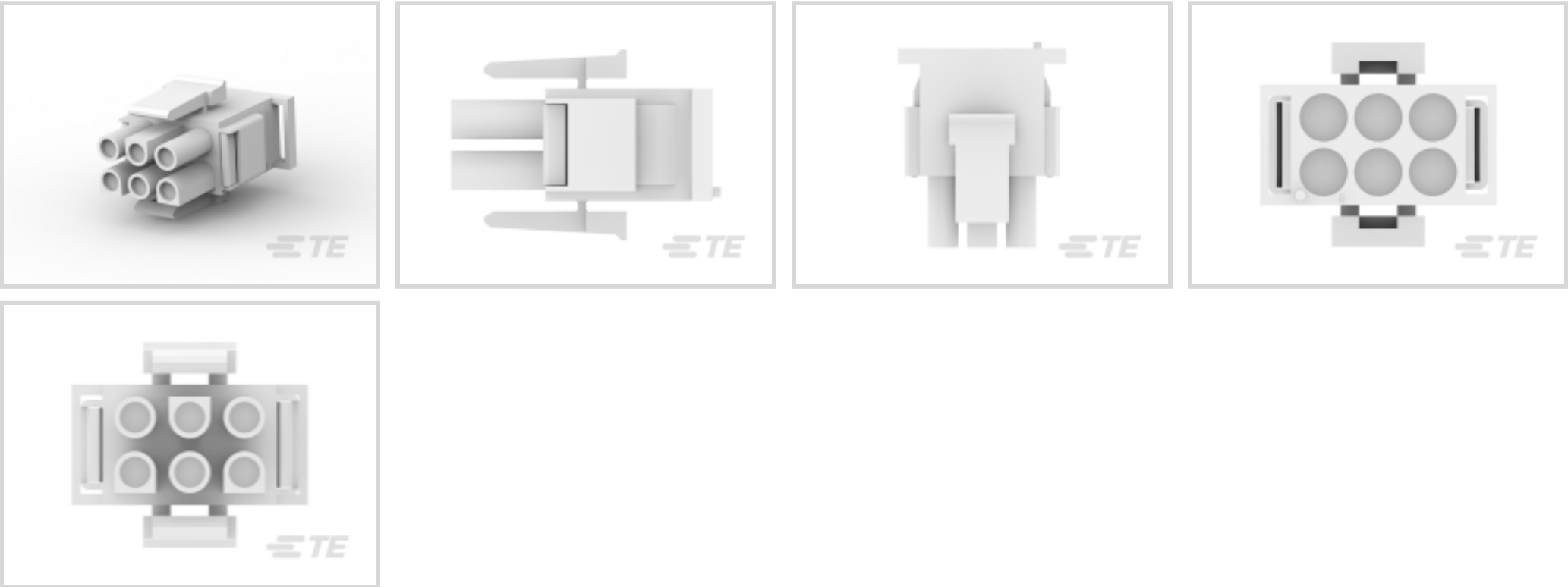




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **6**

Centerline (Pitch): **6.35 mm [ .25 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 | 6 |
| Number of Rows      | 2 |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 600 VAC |
|-------------------|---------|

Contact Features

|                                  |         |
|----------------------------------|---------|
| Contact Layout                   | Matrix  |
| Multiple Contact Types           | Without |
| Contact Retention Within Housing | Without |



Termination Features

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

Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
|-------------------------|----------------------------|

Housing Features

|                    |                 |
|--------------------|-----------------|
| Centerline (Pitch) | 6.35 mm[.25 in] |
| Housing Color      | White           |
| Housing Material   | Nylon GF        |

Dimensions

|                    |                 |
|--------------------|-----------------|
| Row-to-Row Spacing | 6.35 mm[.25 in] |
| Width              | 13.97 mm        |
| Length             | 22.99 mm        |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 120 °C[-67 – 248 °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 |
| Agency/Standard Number | E28476                        |
| Agency/Standard        | CSA, UL                       |
| UL Rating              | Recognized                    |
| CSA File Number        | LR7189                        |
| VDE Tested             | Yes                           |

Packaging Features

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

Other

|              |                                 |
|--------------|---------------------------------|
| For Use With | Universal MATE-N-LOK Connectors |
|--------------|---------------------------------|



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: JAN 2021 (211)<br>Candidate List Declared Against: JAN 2021 (211)<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 # 770253-3  
UMNL II SOK PTPPHBZ LP 24-18



TE Part # 350732-4  
06P UMNL PIN HDR ASSY 94VO LF



TE Part # 350732-1  
06P UMNL PIN HDR ASSY 94VO

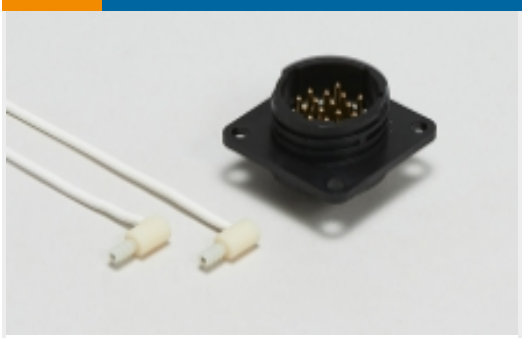


TE Part # 770247-3  
UMNL II SOK PTPPHBZ LP 12-10



|                                                                                                                                                 |                                                                                                                                           |                                                                                                                                                    |                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 1-770251-0<br/>UMNLI SOK PTPPHBZ LP LF 20-14</p> |  <p>TE Part # 926307-3<br/>6P UN-MNL AUFN-GEH</p>       |  <p>TE Part # 770252-1<br/>UMNLI PIN PTPBR LP 24-18</p>         |  <p>TE Part # 1-770250-0<br/>UMNLI PIN SN/AUNI/BR LP20-14</p>   |
|  <p>TE Part # 770250-1<br/>UMNLI PIN PTPBR LP 20-14</p>       |  <p>TE Part # 194002-1<br/>PIN ASSY..070</p>           |  <p>TE Part # 350711-1<br/>06P UMNLI PIN HDR ASSY 94V0</p>     |  <p>TE Part # 350711-4<br/>06P UMNLI PIN HDR ASSY 94V0 LF</p>  |
|  <p>TE Part # 641970-1<br/>06P UMNLI PIN HDR ASSY 94V0</p>   |  <p>TE Part # 1586860-1<br/>06P UMNLI CAP HSG, GW</p> |  <p>TE Part # 643424-3<br/>06P UMNLI HDR ASSY POL 94V0 LF</p> |  <p>TE Part # 641970-3<br/>06P UMNLI PIN HDR ASSY 94V0 LF</p> |
|  <p>TE Part # 770027-1<br/>06P UMNLI IN-LINE CAP HSG KIT</p> |  <p>TE Part # 926682-3<br/>06P UNIV.M-N-L.HSG.</p>    |  <p>TE Part # 1-770009-0<br/>UMNLI PIN AUSN/NI/BR</p>         |  <p>TE Part # 770003-3<br/>UMNLI PIN PTPPHBZ</p>              |

Also in the Series | Universal MATE-N-LOK

|                                                                                                                         |                                                                                                                    |                                                                                                                                  |                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|  <p>Circular Power Connectors(2)</p> |  <p>Connector Contacts(11)</p> |  <p>Insertion &amp; Extraction Tools(4)</p> |  <p>Power Contacts(207)</p> |
|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|



Rectangular Boots & Strain Relief(35)



Rectangular Connector Adapters(7)



Rectangular Connector Housings(2)



Rectangular Connector Keying Plugs(3)



Rectangular Connector Locking(4)



Rectangular Connector Seals(26)

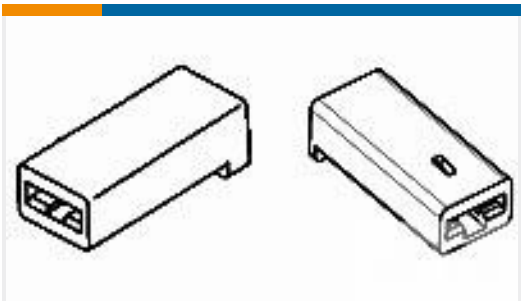


Rectangular Power Connectors(725)

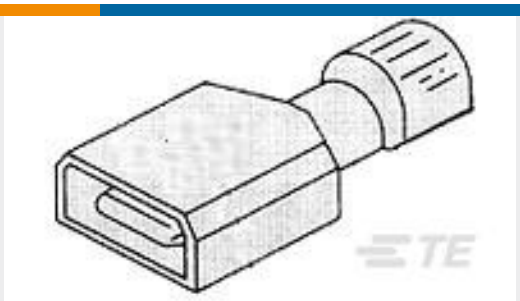
Customers Also Bought



TE Part #176498-4  
POSITIVE LOCK 187 (4.8 MM)  
HOUSING



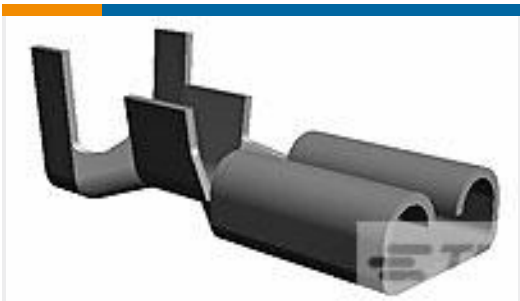
TE Part #480054-3  
FF 250 REC HSG 1P NYLON NAT



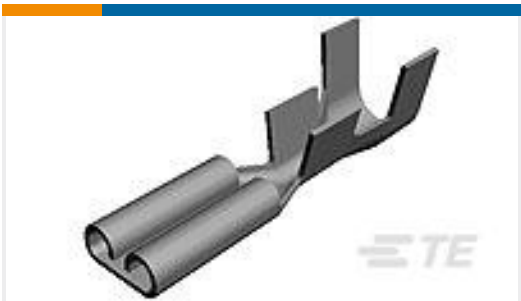
TE Part #3-520106-2  
ULTRA-FAST 250 ASY TAB 16-14 AWG  
TPBR



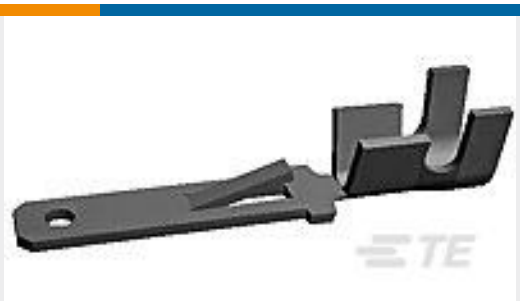
TE Part #40725  
RING 190(4.82MM)TERMINAL 18-14  
AWG TPBR



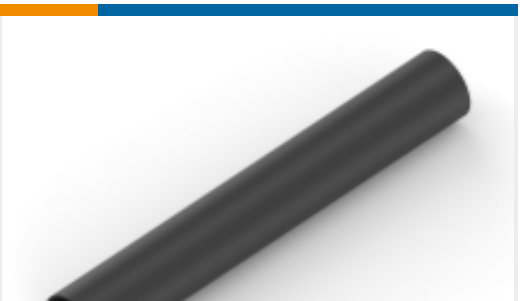
TE Part #42452-2  
FASTON 187 TERMINAL REC 20-16  
TPBR



TE Part #41450  
FASTON 250(6.3 MM) REC 14-10 AWG  
TPBR



TE Part #2-293041-2  
FF TAB CONTACT 6.3 SERIES (STRIP  
FORM)



TE Part #EM7490-000  
X2-9.0-0-FSP-SM



TE Part #170328-3  
250 PL MKII REC. 18-14AWG PTBR



TE Part #2-1534798-0  
AMP DUOPLUG 2.5 MK-II 10P SELEC.  
LOADED

Documents



Product Drawings

06P UMNLI IN-LNE PLUG HSG KIT

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_770020-1\_F.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_770020-1\_F.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_770020-1\_F.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\_SOCKET\_CONNECTORS\_STANDARD\_DENSITY

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD\_770020-1\_06082018946\_dmtec

English

MD\_770020-1\_06082018946\_dmtec

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

VDE Certificate

English