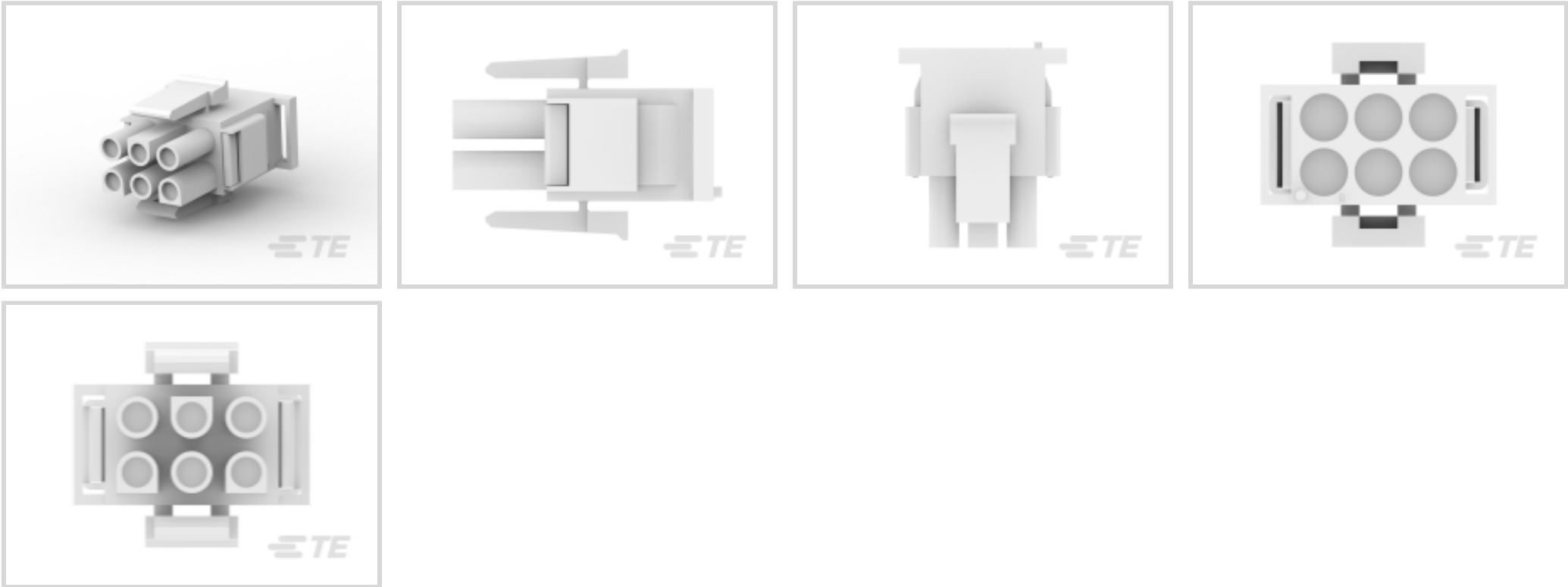




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



EU RoHS Compliance: **Compliant**  
EU ELV Compliance: **Compliant**  
Rectangular Power Connector Type: **Housing**  
Connector & Housing Type: **Plug**  
Connector System: **Wire-to-Wire**

Features

Other

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance  | Compliant |

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

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

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

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

Usage Conditions

|                             |                             |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -55 – 120 °C [-67 – 248 °F] |
|-----------------------------|-----------------------------|

Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

|                                             |                               |
|---------------------------------------------|-------------------------------|
| Compatible With Agency/Standards Products   | UL, VDE, CSA                  |
| UL Rating                                   | Recognized                    |
| Compatible With Approved Standards Products | UL E28476                     |
| CSA Rating                                  | LR 7189, Certified            |
| UL Flammability Rating                      | UL 94V-0                      |
| Glow Wire Rating                            | Standard Part - Not Glow Wire |

Packaging Features

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



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: JUNE 2024 (241)<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  
UMN II SOK PTPPHBZ LP 24-18



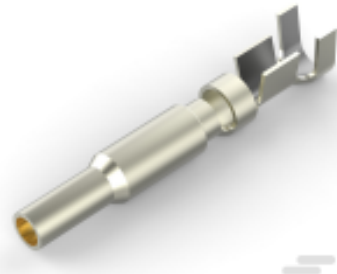
TE Part # 350732-4  
06P UMN PIN HDR ASSY 94VO LF



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



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



TE Part # 1-770251-0  
UMNLII SOK PTPPHBZ LP LF 20-14



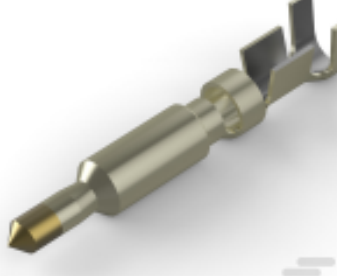
TE Part # 926307-3  
6P UN-MNL AUFN-GEH



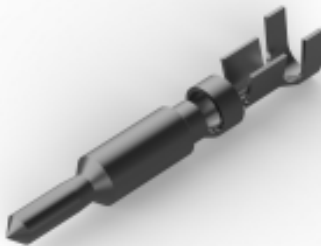
TE Part # 350834-1  
06P UMNL HDR ASSY PC 94VO



TE Part # 770252-1  
UMNL II PIN PTPBR LP 24-18



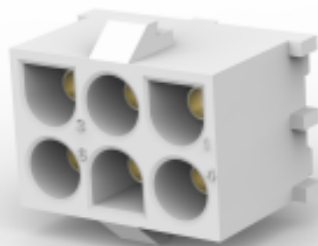
TE Part # 1-770250-0  
UMNL II PIN SN/AUNI/BR LP20-14



TE Part # 770250-1  
UMNL II PIN PTPBR LP 20-14



TE Part # 770251-3  
UMNL II SOK PTPPHBZ LP 20-14



TE Part # 350827-4  
06P UMNL HDR ASSY PC 94VO LF



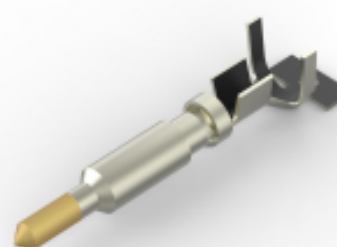
TE Part # 194002-1  
PIN ASSY..070



TE Part # 350711-1  
06P UMNL PIN HDR ASSY 94VO



TE Part # 350711-4  
06P UMNL PIN HDR ASSY 94VO LF



TE Part # 1-770005-0  
UMNL II PIN AUSN/NI/BR



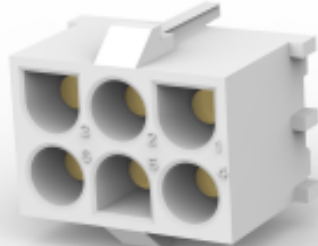
TE Part # 350827-1  
06P UMNL HDR ASSY PC 94VO



TE Part # 641970-1  
06P UMNL PIN HDR ASSY 94VO



TE Part # 1586860-1  
06P UMNL CAP HSG, GW



TE Part # 643424-3  
06P UMNL HDR ASSY POL 94VO LF

Also in the Series | Universal MATE-N-LOK



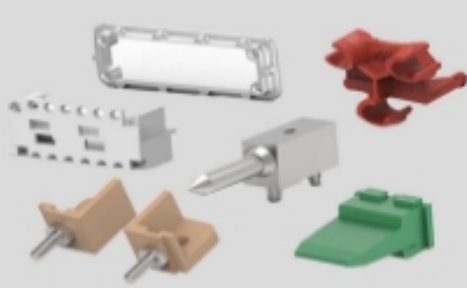
Circular Power Connectors(2)



Connector Caps & Covers(34)



Connector Contacts(209)



Connector Hardware(12)



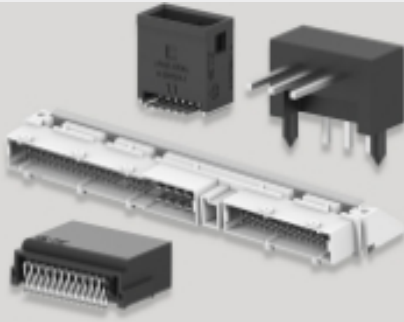
Connector Seals & Cavity Plugs(27)



Connector Strain Relief(7)



Insertion & Extraction Tools(4)



PCB Headers & Receptacles(284)



Rectangular Connector Housings(1)



Rectangular Power Connectors(370)



Standard Circular Connectors(1)

Customers Also Bought



TE Part #770022-1  
12P UMNLI IN-LNE PLUG HSG KIT



TE Part #770019-1  
04P UMNLI IN-LNE PLUG HSG KIT



TE Part #770026-1  
04P UMNLI IN-LINE CAP HSG KIT



TE Part #770024-1  
02P UMNLI IN-LINE CAP HSG KIT



TE Part #770029-1  
12P UMNLI IN-LINE CAP HSG KIT



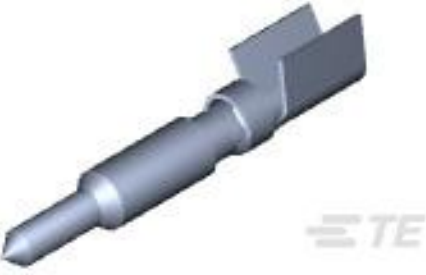
TE Part #770030-1  
15P UMNLI IN-LINE CAP HSG KIT



TE Part #770018-1  
03P UMNLI IN-LNE PLUG HSG KIT



TE Part #770023-1  
15P UMNLI IN-LNE PLUG HSG KIT



TE Part #770003-3  
UMNL II PIN PTPPHBZ



TE Part #770025-1  
03P UMNLI IN-LINE CAP HSG KIT

Documents



Product Drawings

06P UMNLI IN-LNE PLUG HSG KIT

English

CAD Files

Customer View Model

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

English

3D PDF

3D

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

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

VDE Certificate

English

VDE Certificate

English