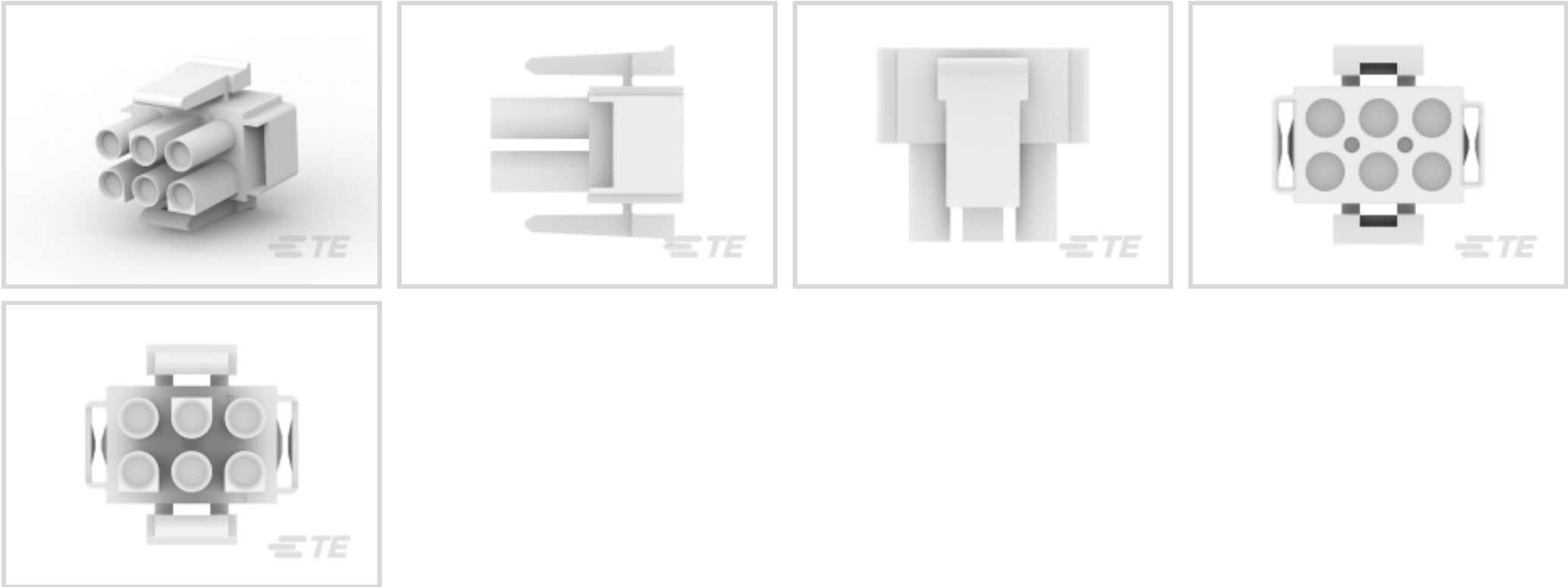




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



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

Packaging Features

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

Dimensions

|                    |                 |
|--------------------|-----------------|
| Product Width      | 13.97 mm        |
| Connector Height   | 20.32 mm        |
| Row-to-Row Spacing | 6.35 mm[.25 in] |

Contact Features

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

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 |

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

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            |

Usage Conditions

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

Operation/Application

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

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: 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 # 1586887-1  
06P UMNL CAP HSG, P/M, GW



TE Part # 794536-1  
06P UMNL CAP HSG 150C BLK



TE Part # 794714-3  
06P UMNL CAP HSG RED,PAN MNT



TE Part # 770027-1  
06P UMNLI IN-LINE CAP HSG KIT



TE Part # 926682-3  
06P UNIV.M-N-L.HSG.



TE Part # 926682-1  
UNIVERSAL M-N-L CAP 6 POS



TE Part # 2029367-1  
06P UMNL-II TW-N-LK-CAP FRONT



TE Part # 2029369-1  
06P UMNL-II REAR, TW-N-LK-CAP



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



TE Part # 8-794536-1  
06P UMNL CAP HSG 150C BLK, SPE



TE Part # 926682-4  
6P UN-MNL AUFN-GEH



TE Part # 1969881-1  
06P UMNL CAP HSG, P/M, GW V0



TE Part # 770038-1  
06P UMNL II PLUG REAR 94VO



TE Part # 643253-1  
06P UMNL ASSY MOD HSG VO

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



Connector Caps & Covers(34)



Connector Contacts(209)



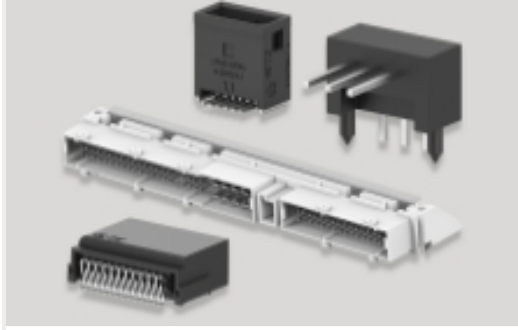
Connector Seals & Cavity Plugs(27)



Connector Strain Relief(7)



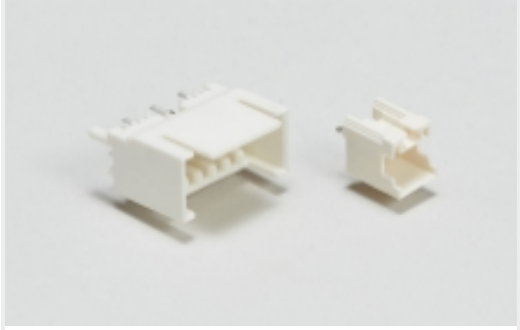
Insertion & Extraction Tools(4)



PCB Headers & Receptacles(284)



Power Contacts(209)



Wire-to-Board Headers & Receptacles (284)

Customers Also Bought



TE Part #HD16-9-16S  
PLG, 9P, GRY, N, 16



TE Part #770041-1  
12P UMNL II PLUG-FRONT 94VO



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



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



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



TE Part #61299-3  
SPLICE 7000-12500 .031 BR



TE Part #770008-3  
UMNL II SOK PTPPHBZ



TE Part #770007-1  
UMNL II PIN PTPBR



TE Part #62754-1  
SPLICE 14000-30000 .030 BR



TE Part #770042-1  
12P UMNL II PLUG REAR 94VO

Documents

Product Drawings

06P UMNL II PLUG-FRONT 94VO

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_770037-1\_Z.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_770037-1\_Z.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_770037-1\_Z.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

Agency Approvals

UL

English