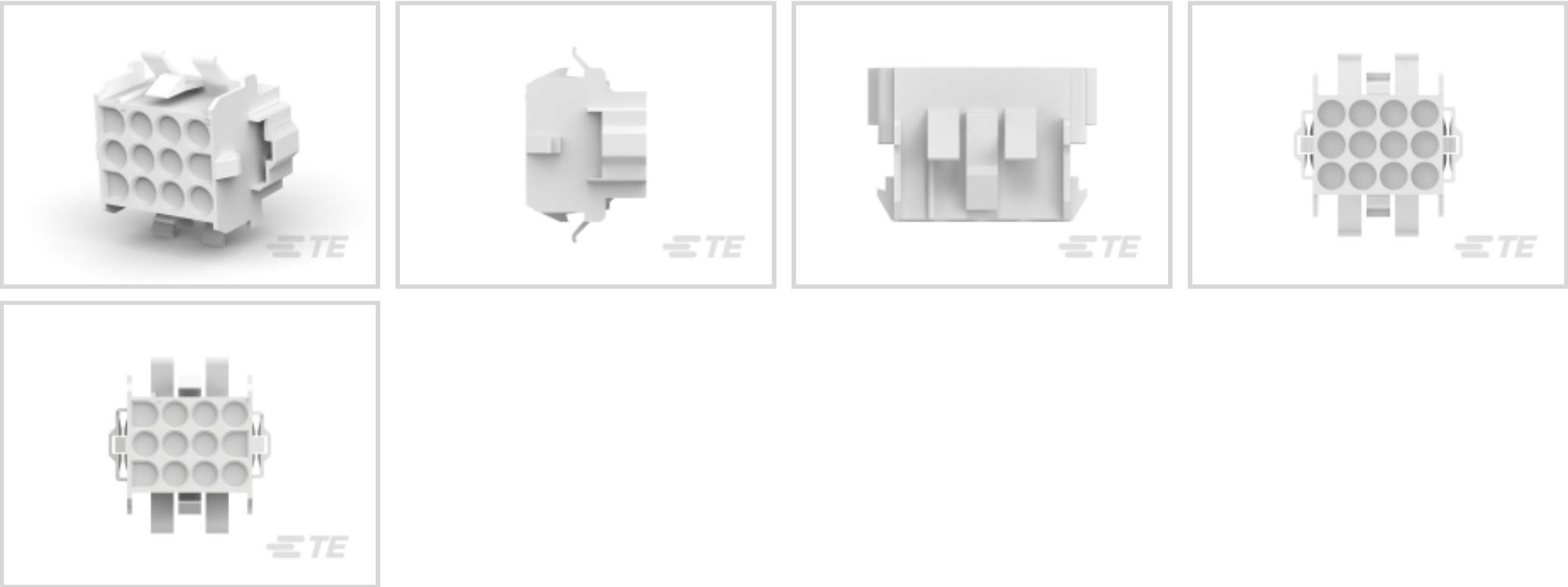




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



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

Features

Dimensions

|                               |                               |
|-------------------------------|-------------------------------|
|                               | .905 in                       |
| Panel Thickness (Recommended) | .76 – 2.29 mm [.76 – 2.29 in] |
| Row-to-Row Spacing            | 6.35 mm [.25 in]              |

Other

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

Product Type Features

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

Configuration Features

|                     |    |
|---------------------|----|
| Number of Positions | 12 |
|---------------------|----|



|                                             |                               |
|---------------------------------------------|-------------------------------|
| Number of Rows                              | 3                             |
| Electrical Characteristics                  |                               |
| Operating Voltage                           | 600 VAC                       |
| Contact Features                            |                               |
| Multiple Contact Types                      | Without                       |
| Contact Layout                              | Matrix                        |
| Contact Retention Within Housing            | Without                       |
| Contact Type                                | Pin                           |
| Termination Features                        |                               |
| Termination Method to Wire & Cable          | Crimp                         |
| Mechanical Attachment                       |                               |
| Panel Mount Feature                         | With                          |
| Panel Mount Feature Type                    | Latches                       |
| Connector Mounting Type                     | Panel Mount                   |
| Housing Features                            |                               |
| Centerline (Pitch)                          | 6.35 mm[.25 in]               |
| Housing Color                               | Natural                       |
| Housing Material                            | Nylon GF                      |
| 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 # 770022-1  
12P UMNLI IN-LNE PLUG HSG KIT



TE Part # 770056-1  
12P UMNLI II CAP REAR 94VO



TE Part # 1586848-1  
12P UMNLI PLUG HSG, GW



TE Part # 1863005-1  
12P UMNLI PLUG HSG





TE Part # 794742-1  
12P UMNL PLUG HSG NATL



TE Part # 643255-1  
12P UMNL ASSY MOD HSG VO



TE Part # 794851-1  
12P UMNL PLUG HSG, BLACK

Also in the Series | Universal MATE-N-LOK



Circular Power Connectors(2)



Connector Caps & Covers(34)



Connector Contacts(209)



Connector Hardware(12)



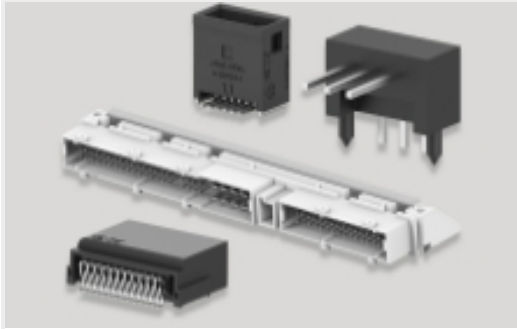
Connector Seals & Cavity Plugs(27)



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 #1860306-1  
RT78725



TE Part #770057-1  
15P UMNL II CAP-FRONT 94VO

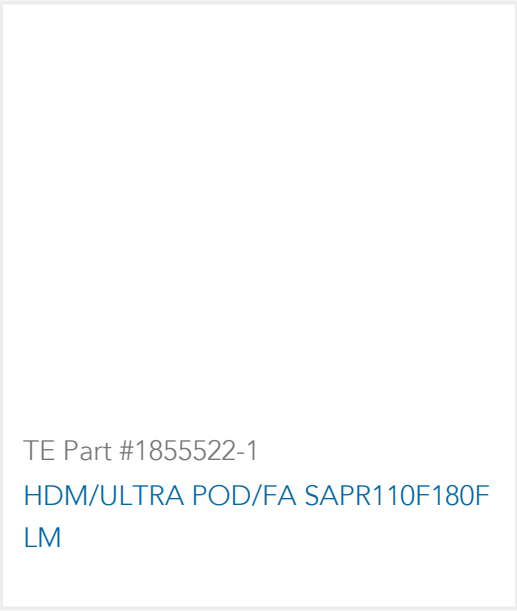


TE Part #770020-1  
06P UMNLII IN-LNE PLUG HSG KIT



TE Part #770008-3  
UMNL II SOK PTPPHBZ





Documents

Product Drawings

12P UMNL II CAP-FRONT 94VO

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_770055-1\_AF.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_770055-1\_AF.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_770055-1\_AF.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

770055-1

Housing, Receptacle, Wire-to-Panel / Wire-to-Wire, 12 Position, 6.35 mm [.25 in]  
Centerline, Universal MATE-N-LOK, Rectangular Power Connectors



English