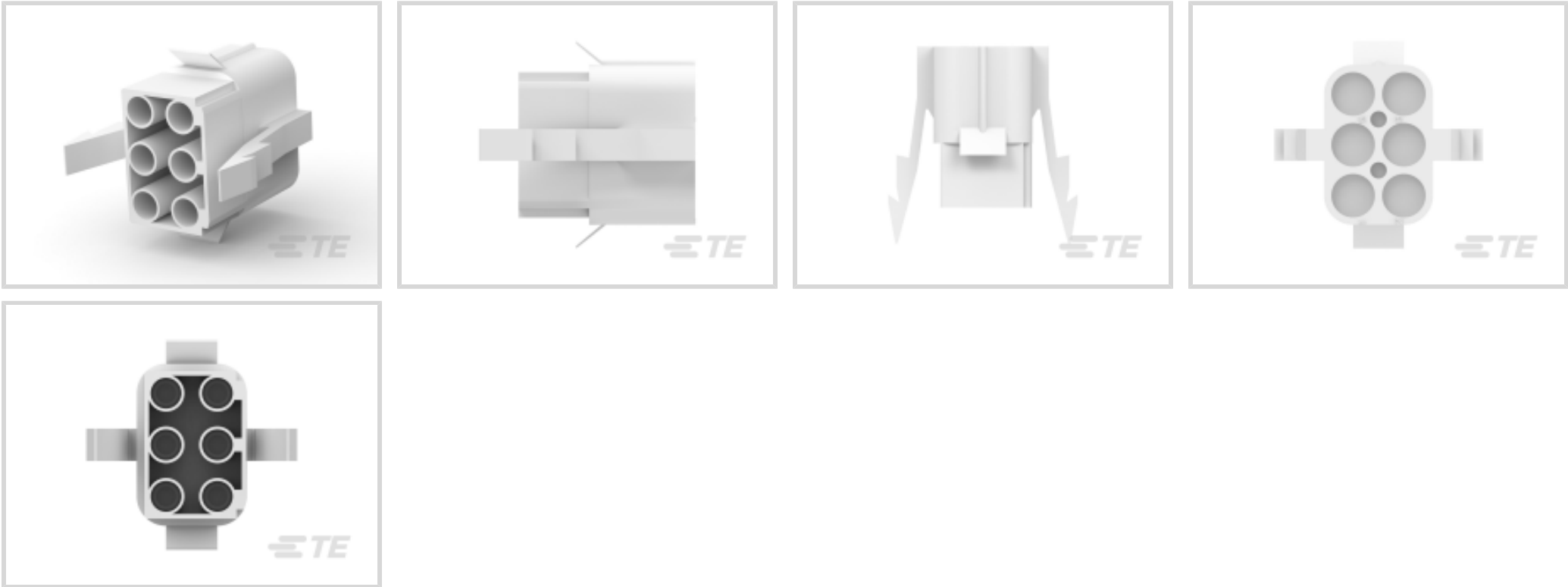




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Panel, Wire-to-Wire**

Number of Positions: **6**

Centerline (Pitch): **7.11 mm [.28 in]**

Features

Product Type Features

| | |
|-----------------------------------|-----------------------------|
| Rectangular Power Connector Type | Housing |
| Connector & Housing Type | Plug |
| Connector System | Wire-to-Panel, 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 | 250 VAC |
|-------------------|---------|

Contact Features

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



Termination Features

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

Mechanical Attachment

| | |
|--------------------------|-------------|
| Panel Mount Feature | With |
| Panel Mount Feature Type | Locking Leg |
| Connector Mounting Type | Panel Mount |

Housing Features

| | |
|--------------------|------------------|
| Centerline (Pitch) | 7.11 mm [.28 in] |
| Housing Color | Natural |
| Housing Material | Nylon |

Dimensions

| | |
|-------------------------------|--------------------------------|
| Panel Thickness (Recommended) | .64 – 1.65 mm [.025 – .065 in] |
| Row-to-Row Spacing | 7.1 mm [.28 in] |

Usage Conditions

| | |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -55 – 105 °C [-67 – 221 °F] |
|-----------------------------|-----------------------------|

Operation/Application

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

Identification Marking

| | |
|--------------------------------|------|
| Circuit Identification Feature | With |
|--------------------------------|------|

Industry Standards

| | |
|---|-------------------------------|
| CSA Rating | LR 16455 |
| UL Rating | Certified, Recognized |
| Compatible With Agency/Standards Products | CSA, UL |
| Compatible With Approved Standards Products | UL E28476 |
| UL Flammability Rating | UL 94V-2 |
| Glow Wire Rating | Standard Part - Not Glow Wire |

Packaging Features

| | |
|--------------------|-----|
| Packaging Quantity | 400 |
| Packaging Method | Bag |

Product Compliance

For compliance documentation, visit the product page on TE.com>

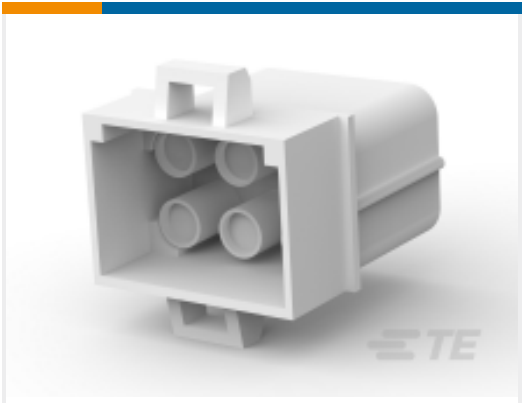


| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 |

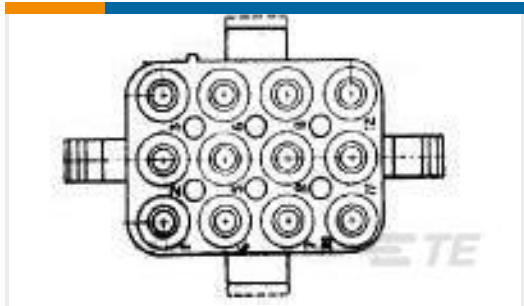
Product Compliance Disclaimer

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 # 1-163035-0
6P.MATE-N-LOK HSG




TE Part # 1-163032-0
MATEN LOK HOUSING


Also in the Series | [Commercial MATE-N-LOK](#)



Connector Caps & Covers(2)




Connector Contacts(150)




Connector Seals & Cavity Plugs(1)



Crimp Wire Pins, Tabs & Ferrules(2)




Insertion & Extraction Tools(3)




Rectangular Connector Housings(9)



Rectangular Power Connectors(166)



Standard Circular Connectors(2)



Standard Rectangular Connectors(7)

Customers Also Bought




TE Part #DT06-6S-E004
DEUTSCH DT Plug Connectors



TE Part #163304-2
MATENLOK SOCKET SDW



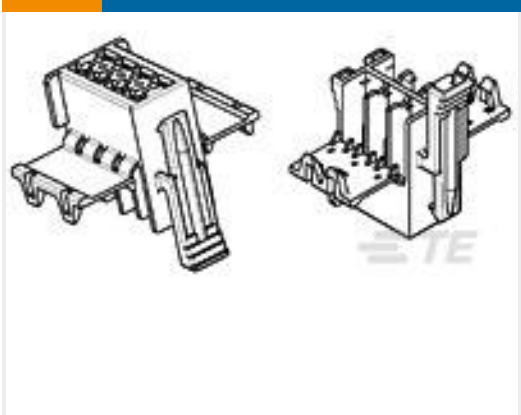
TE Part #350690-1
UMNL PIN 24-18 PTPBR L/P



TE Part #321519
SPLICE,CE 22-10



TE Part #1670720-1
SLIDE,TAB HSG GROUP C



TE Part #1-929504-5
2X 7P JUN-POW-TIMGH



TE Part #1-1437558-3
MTA106EPC=(MSTA) SW TOG P/C TE

Documents



Product Drawings

6P.MATE-N-LOK HSG

English

CAD Files

Customer View Model

ENG_CVM_1-163036-0_G.3d_igs.zip

English

Customer View Model

ENG_CVM_1-163036-0_G.3d_stp.zip

English

Customer View Model

ENG_CVM_1-163036-0_G.2d_dxf.zip

English

3D PDF

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English