

1-480705-0 ✓ ACTIVE

MATE-N-LOK | Universal MATE-N-LOK

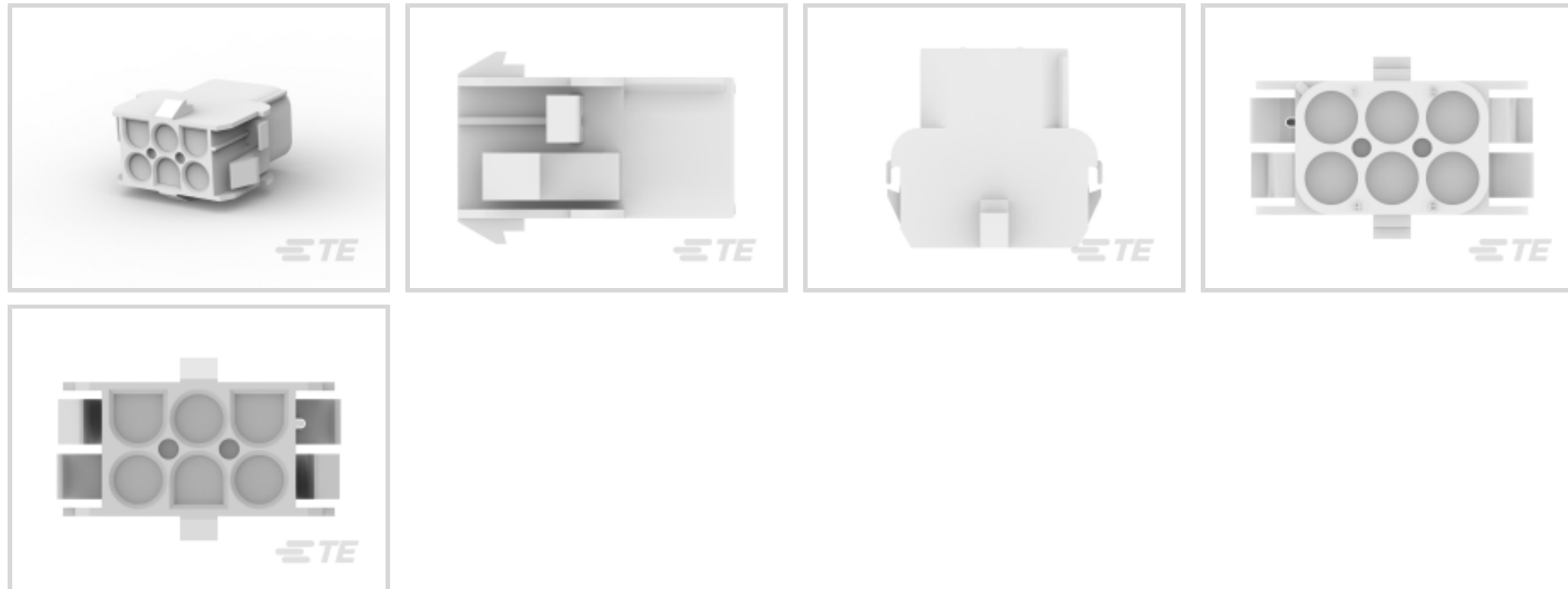
TE Internal #: 1-480705-0

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire / Wire-to-Panel, 6 Position, 6.35 mm [.25 in] Centerline, Universal MATE-N-LOK

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

Connector System: **Wire-to-Panel, 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 | Receptacle |
| Connector System | Wire-to-Panel, Wire-to-Wire |
| Sealable | No |
| Connector & Contact Terminates To | Wire & Cable |

Configuration Features

| | |
|----------------------------|---|
| Number of Positions | 6 |
| Number of Power Positions | 0 |
| Number of Signal Positions | 0 |
| 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 | Pin |

Termination Features

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

Mechanical Attachment

| | |
|--------------------------|--------------|
| Panel Mount Feature | With |
| Panel Mount Feature Type | Patch & Tabs |
| Connector Mounting Type | Panel Mount |

Housing Features

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

Dimensions

| | |
|-------------------------------|------------------------------|
| Panel Thickness (Recommended) | .76 – 2.29 mm [.03 – .09 in] |
| Row-to-Row Spacing | 6.35 mm [.25 in] |

Usage Conditions

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

Operation/Application

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

Industry Standards

| | |
|------------------------|-------------------------------|
| CSA Rating | Certified, LR 7189 |
| UL Rating | Recognized |
| Agency/Standard | CSA, UL, VDE |
| Approved Standards | UL E28476 |
| UL Flammability Rating | UL 94V-2 |
| 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>](#)




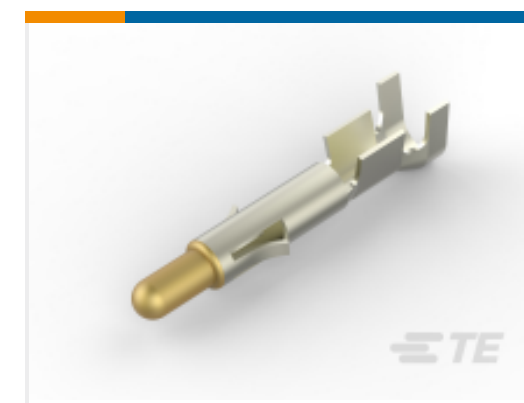

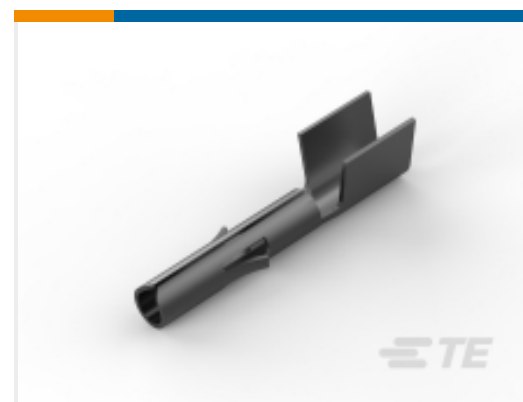


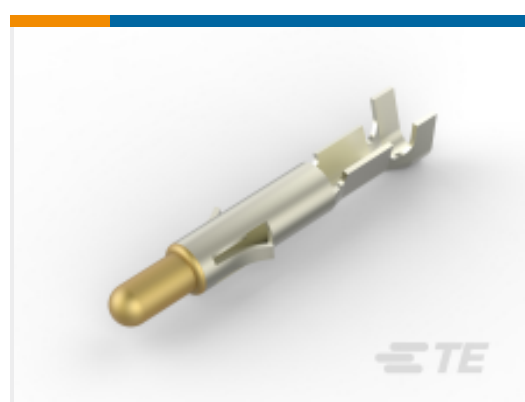







| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JAN 2023 (233) Candidate List Declared Against: JAN 2023 (233) 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


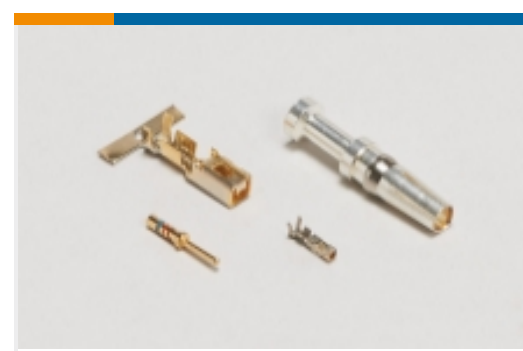

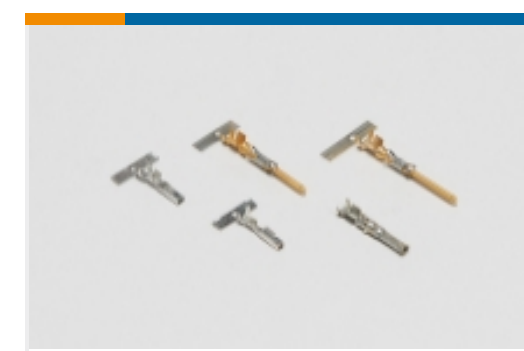
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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>

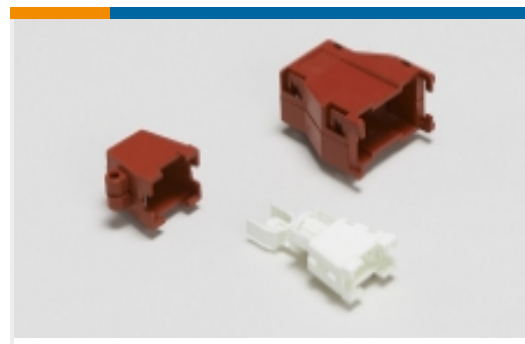
Compatible Parts

| | | | |
|--|---|---|---|
|  <p>TE Part # 640309-6 UMNL PIN 12-10 AU/PHBZ</p> |  <p>TE Part # 350551-6 UMNL SOK 20-14 AU/PHBZ L/P</p> |  <p>TE Part # 350690-2 UMNL PIN 24-18 AUBR L/P</p> |  <p>TE Part # 926902-3 UNIV-MNL SPLIT ST</p> |
|--|---|---|---|

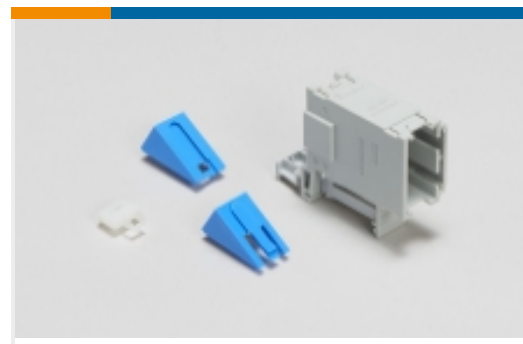
| | | | |
|--|--|---|---|
|  TE Part # 350550-7 UMNL SOK 20-14 AU/BR L/P |  TE Part # 350690-3 UMNL PIN 24-18 PTPPHBZ L/P |  TE Part # 350689-7 UMNL SOK 24-18 AUBR L/P |  TE Part # 350547-7 UMNL PIN 20-14 AUBR L/P |
|  TE Part # 350689-2 UMNL SOK 24-18 AUBR L/P |  TE Part # 640310-3 UMNL SOK 12-10 PTPPHBZ |  TE Part # 1644055-1 UNIV MATE-N-LOK HOUSING 6W |  TE Part # 350689-3 UMNL SOK 24-18 PTPPHBZ L/P |
|  TE Part # 350690-7 UMNL PIN 24-18 AUBR L/P |  TE Part # 350689-1 UMNL SOK 24-18 PTPBR L/P |  TE Part # 926893-3 UNIV.M-N-L.SOCKET |  TE Part # 350550-6 UMNL SOK 20-14 AU/PHBZ L/P |
|  TE Part # 350705-7 UMNL SPLIT PIN 20-14 AUBR L/P |  TE Part # 350547-3 UMNL PIN 20-14 PTPPHBZ L/P |  TE Part # 350551-7 UMNL SOK 20-14 AU/BR L/P |  TE Part # 350547-2 UMNL PIN 20-14 AUBR L/P |

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

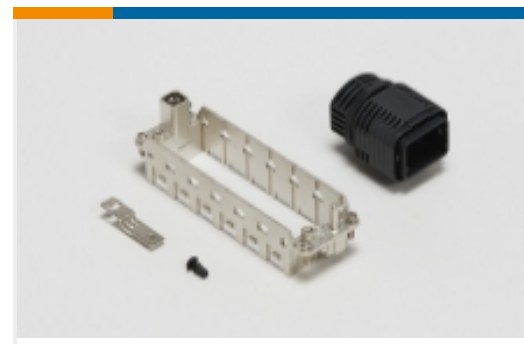
| | | | |
|---|---|--|--|
|  Circular Power Connectors(2) |  Connector Contacts(7) |  Insertion & Extraction Tools(4) |  Power Contacts(201) |
|---|---|--|--|



Rectangular Boots & Strain Relief(34)



Rectangular Connector Adapters(7)



Rectangular Connector Hardware(1)



Rectangular Connector Housings(1)



Rectangular Connector Keying Plugs(3)



Rectangular Connector Locking(4)



Rectangular Connector Seals(26)



Rectangular Power Connectors(662)

Customers Also Bought



TE Part #1-480711-0
15P UMNL CAP HSG NATL



TE Part #1-480703-0
04P UMNL CAP HSG NATL



TE Part #1-480702-0
04P UMNL PLUG HSG NATL



TE Part #1-480699-0
02P UMNL CAP HSG NATL



TE Part #1-480708-0
12P UMNL PLUG HSG NATL



TE Part #1-480698-0
02P UMNL PLUG HSG NATL



TE Part #1-480709-0
12P UMNL CAP HSG NATL



TE Part #1-480701-0
03P UMNL CAP HSG NATL



TE Part #1-480700-0
03P UMNL PLUG HSG NATL



TE Part #350537-1
UMNL SOK 20-14 .0126 PTPBR

Documents



Product Drawings

06P UMNL CAP HSG NATL

English

CAD Files

Customer View Model

[ENG_CVM_1-480705-0_AP.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_1-480705-0_AP.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1-480705-0_AP.3d_stp.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-480705-0_BY.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-480705-0_BY.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-480705-0_BY.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

English

Product Specifications

Application Specification

English

Product Environmental Compliance

[MD_1-480705-0_05072018944_dmtec](#)

English

[MD_1-480705-0_05072018944_dmtec](#)

English

Instruction Sheets

Instruction Sheet (U.S.)

English



[Instruction Sheet \(U.S.\)](#)

English