

1586849-1 ✓ ACTIVE

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

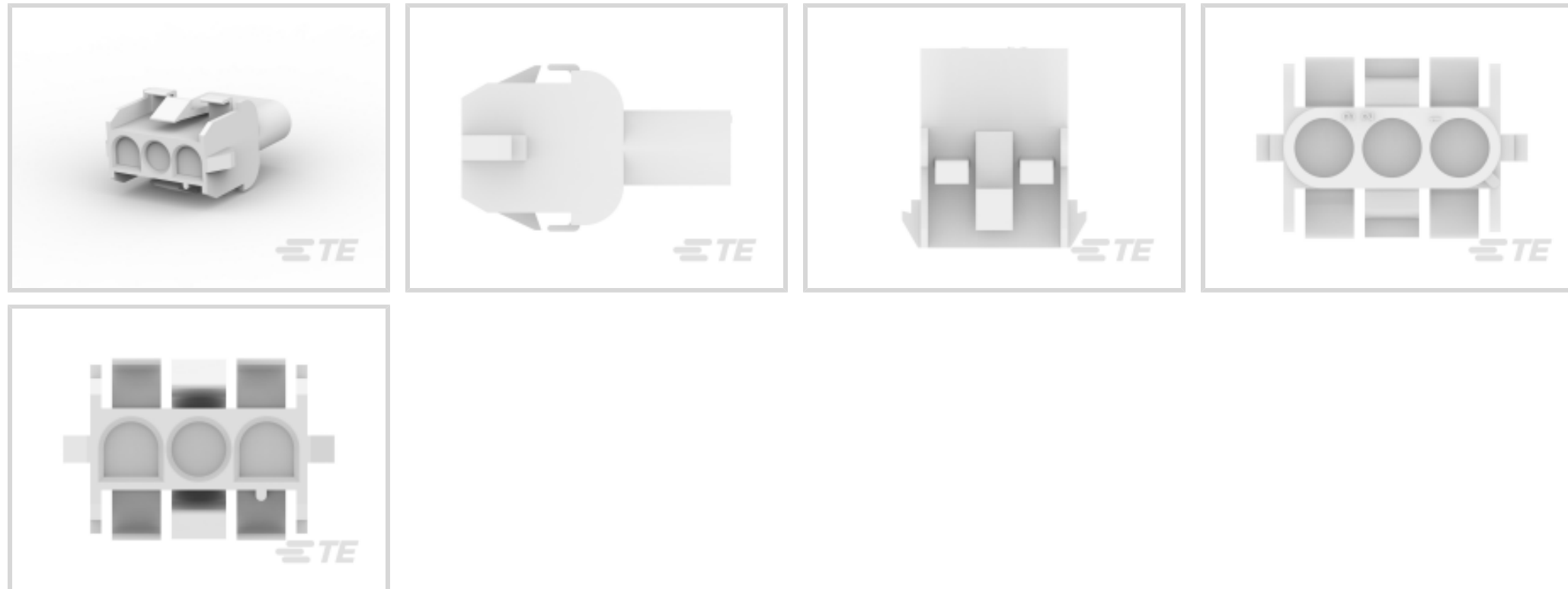
TE Internal #: 1586849-1

Universal MATE-N-LOK, Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire / Wire-to-Panel, 3 Position, 6.35mm [.25in] Centerline

[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: **3**

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 | 3 |
| Number of Rows      | 1 |

### Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 600 VAC |
|-------------------|---------|

### Contact Features

|                                  |         |
|----------------------------------|---------|
| Multiple Contact Types           | Without |
| Contact Layout                   | Inline  |
| 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 |
|------------------|-------|

### Dimensions

|                 |                               |
|-----------------|-------------------------------|
| Panel Thickness | .76 – 2.29 mm [.76 – 2.29 in] |
|-----------------|-------------------------------|

### Usage Conditions

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

### Operation/Application

|                              |         |
|------------------------------|---------|
| Assembly Integration Feature | Without |
|------------------------------|---------|

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

### Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-2 |
|------------------------|----------|

|                  |                           |
|------------------|---------------------------|
| Glow Wire Rating | GWT 750°C (Without Flame) |
|------------------|---------------------------|

|           |            |
|-----------|------------|
| UL Rating | Recognized |
|-----------|------------|

|                        |        |
|------------------------|--------|
| Agency/Standard Number | E28476 |
|------------------------|--------|

|            |     |
|------------|-----|
| VDE Tested | Yes |
|------------|-----|

|                 |    |
|-----------------|----|
| Agency/Standard | UL |
|-----------------|----|

### Packaging Features

|                  |         |
|------------------|---------|
| Packaging Method | Package |
|------------------|---------|

|                    |   |
|--------------------|---|
| Packaging Quantity | 1 |
|--------------------|---|

### Other

|              |                                       |
|--------------|---------------------------------------|
| For Use With | Appropriate Universal MATE-N-LOK Plug |
|--------------|---------------------------------------|



## 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: JUN 2020 (209)<br>Candidate List Declared Against: JAN 2020 (205)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.  |
| 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 Model / Part # 350583-4<br/>03P UMNL PIN HDR ASSY V2 LF</p> |  <p>TE Model / Part # 350760-5<br/>03P UMNL HDR ASSY PC LF</p>       |  <p>TE Model / Part # 794878-1<br/>03P UMNL PIN HDR ASSY 94VO</p> |  <p>TE Model / Part # 3-643228-0<br/>03P UMNL HDR ASSY R/A 94VO LF</p> |
|  <p>TE Model / Part # 643228-1<br/>03P UMNL HDR ASSY R/A 94VO</p>  |  <p>TE Model / Part # 350790-3<br/>03P UMNL PIN HDR ASSY 94VO LF</p> |  <p>TE Model / Part # 173925-1<br/>3 P ACTION PIN UMNL</p>        |  <p>TE Model / Part # 643414-3<br/>03P UMNL HDR ASSY POL 94VO LF</p>   |




TE Model / Part # 1-350766-2  
03P UMNL V0 PLUG HSG RED



TE Model / Part # 2-480700-0  
03P UMNL PLUG HSG



TE Model / Part # 1-350943-0  
03P UMNL HDR ASSY R/A 94VO



TE Model / Part # 350429-4  
03P UMNL PIN HDR ASSY NATL LF



TE Model / Part # 350789-3  
03P UMNL PIN HDR ASSY 94VO



TE Model / Part # 350790-1  
03P UMNL PIN HDR ASSY 94VO



TE Model / Part # 350832-1  
03P UMNL HDR ASSY PC 94VO



TE Model / Part # 641965-1  
03P UMNL PIN HDR ASSY V2 NATL



TE Model / Part # 643413-1  
03P UMNL HDR ASSY SCKT POL



TE Model / Part # 1586077-1  
03P UMNL PIN HDR ASSY W/O DRNS




TE Model / Part # 643414-1  
03P UMNL HDR ASSY POL 94VO




TE Model / Part # 1241809-2  
UMNL ST-SOCK,A-P 3P

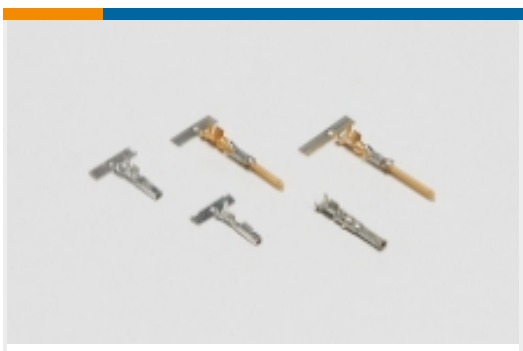
Also in the Series | **Universal MATE-N-LOK**



Circular Power Connectors(2)



Connector Contacts(11)




Power Contacts(207)



Rectangular Boots & Strain Relief(35)




Rectangular Connector Adapters(7)



Rectangular Connector Housings(3)



Rectangular Connector Keying Plugs(3)



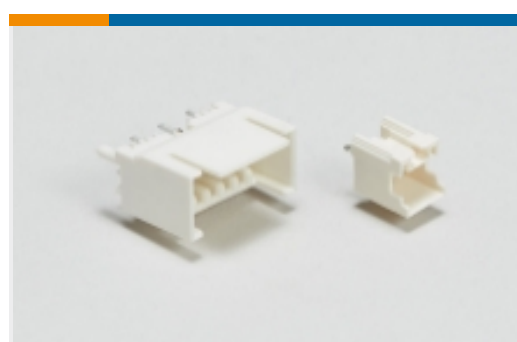
Rectangular Connector Locking(4)



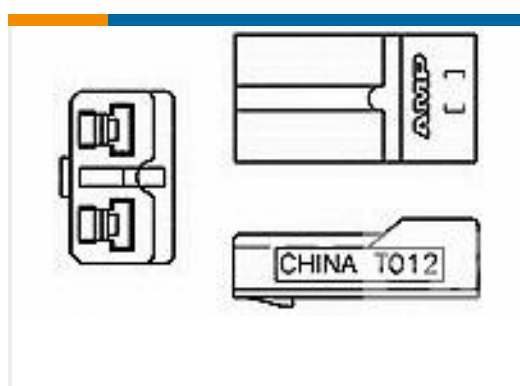
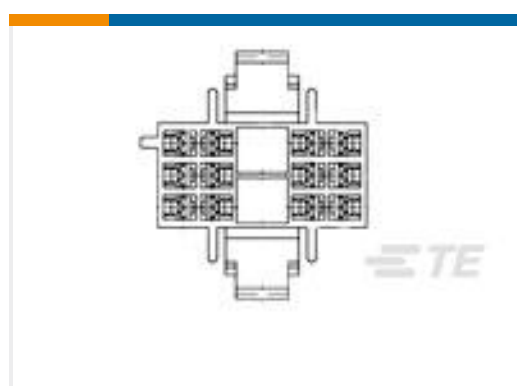
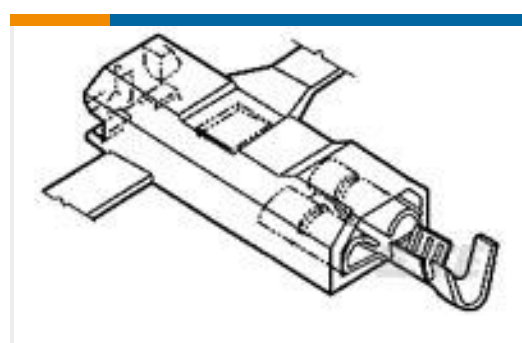
Rectangular Connector Seals(26)



Rectangular Power Connectors(716)

Wire-to-Board Headers & Receptacles  
(3)

## Customers Also Bought

TE Model / Part #1586844-1  
09P UMNL PLUG HSG NATL, GWTE Model / Part #60546-1  
EXTRUDED RING CRIMP 18-14 AWG  
BRTE Model / Part #794538-1  
09P UMNL CAP HSG 150C BLK  
BRTE Model / Part #521229-2  
PL 250 HOUSING RECEPTACLE RED  
NYLON 6/6TE Model / Part #63498-2  
PL MKII 187 REC 20-16AWG BRTE Model / Part #521073-2  
PLUG .125 HOUSING NYLON 66/6TE Model / Part #521163-2  
POWER BLADE HSG 12P NYLON  
BLACKTE Model / Part #770815-1  
.093 COMM P&S SOCKETTE Model / Part #1969206-1  
ULTRA-POD .250 ASSEMBLY REC 18-  
14 AWG BRTE Model / Part #770812-1  
06P .093 RCPT, COMPNT HOOK-UP

## Documents

### Product Drawings

[03P UMNL CAP HSG NATL, GW](#)

English

### CAD Files

[Customer View Model](#)

[ENG\\_CVM\\_1586849-1\\_A.3d\\_igs.zip](#)

English

[Customer View Model](#)



[ENG\\_CVM\\_1586849-1\\_A.3d\\_stp.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_1586849-1\\_A.2d\\_dxf.zip](#)

English

**3D PDF**

English

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

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**Product Environmental Compliance**

**TE Material Declaration**

English

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**Agency Approvals**

**VDE Certificate**

English