

1586851-1 ✓ ACTIVE

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

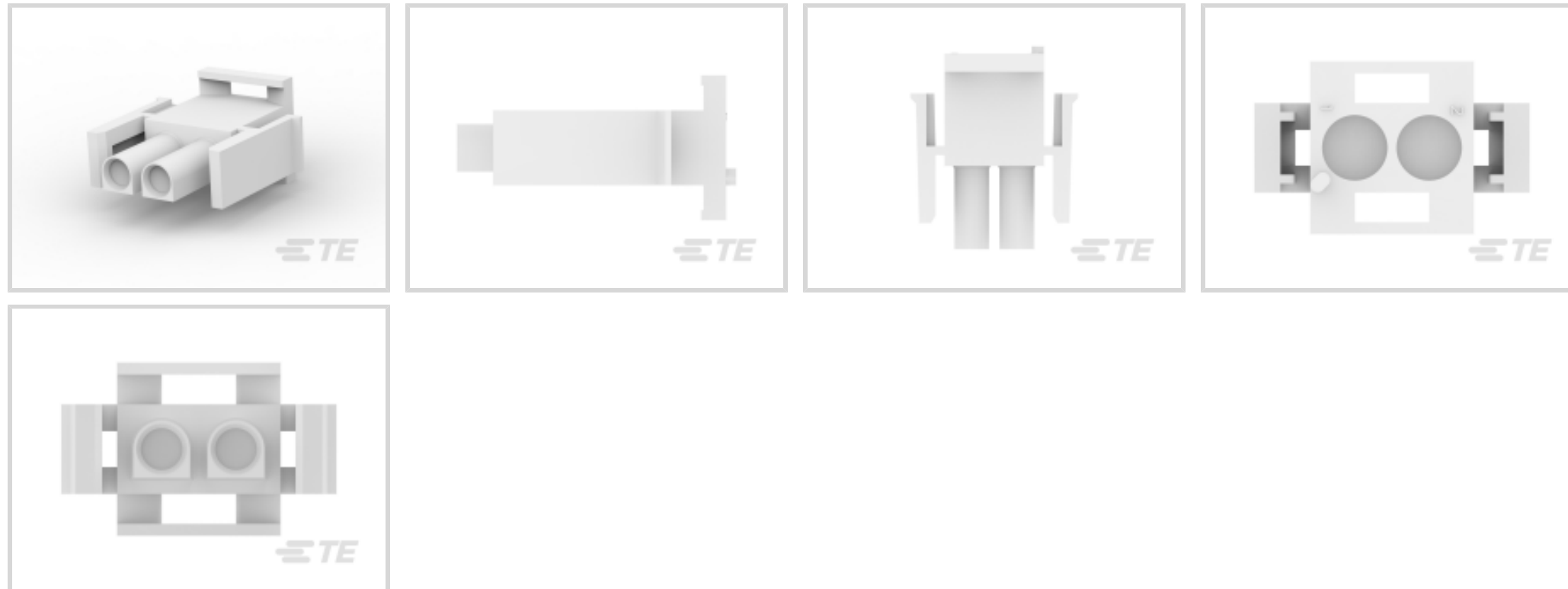
TE Internal #: 1586851-1

Rectangular Power Connectors, Housing, Plug, Wire-to-Board /
Wire-to-Wire, 2 Position, 6.35 mm [.25 in] Centerline, Wire & Cable,
Universal MATE-N-LOK

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **2**

Centerline (Pitch): **6.35 mm [.25 in]**

Features

Product Type Features

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

Configuration Features

| | |
|---------------------|---|
| Number of Positions | 2 |
| 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 | Socket |
|--------------|--------|

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 | Natural |
|---------------|---------|

| | |
|------------------|-------|
| Housing Material | Nylon |
|------------------|-------|

Usage Conditions

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

Operation/Application

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

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

Industry Standards

| | |
|------------|-----------|
| CSA Rating | Certified |
|------------|-----------|

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

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

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

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

| | |
|-----------------|--------|
| CSA File Number | LR7189 |
|-----------------|--------|

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

| | |
|-----------------|---------|
| Agency/Standard | CSA, UL |
|-----------------|---------|

Packaging Features

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

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

Other

| | |
|--------------|--|
| For Use With | Appropriate Universal MATE-N-LOK Cap or Header |
|--------------|--|

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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 Part # 1-350778-9 02P UMNL V0 CAP HSG BLACK</p> |  <p>TE Part # 640585-1 06P UMNL PLUG HSG V2 NATL</p> |  <p>TE Part # 770024-1 02P UMNLII IN-LINE CAP HSG KIT</p> |  <p>TE Part # 350777-1 02P UMNL PLUG HSG</p> |
|  <p>TE Part # 2-480700-0 03P UMNL PLUG HSG</p> |  <p>TE Part # 1-480699-9 02P UMNL CAP HSG BLK</p> |  <p>TE Part # 770046-1 02P UMNL II CAP REAR 94VO</p> |  <p>TE Part # 640586-1 08P UMNL PLUG HSG V2 NATL</p> |




TE Part # 1586852-1
04P UMNL PLUG HSG, GW



TE Part # 1-480699-2
02P UMNL CAP HSG RED



TE Part # 350778-1
02P UMNL CAP HSG



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



TE Part # 794815-1
02P UMNL CAP HSG, HI TEMP



TE Part # 794814-1
02P UMNL PLUG HSG, HI TEMP



TE Part # 1703061-1
PLUG, 2 CIRCUIT, UNIVERSAL MATE-N-LOK



TE Part # 1703062-1
CAP, 2 CIRCUIT, UNIVERSAL MATE-N-LOK



TE Part # 1586847-1
03P UMNL PLUG HSG, GW



TE Part # 1586856-1
02P UMNL CAP HSG, GW




TE Part # 1-350777-3
02P UMNL V0 PLUG HSG ORANGE

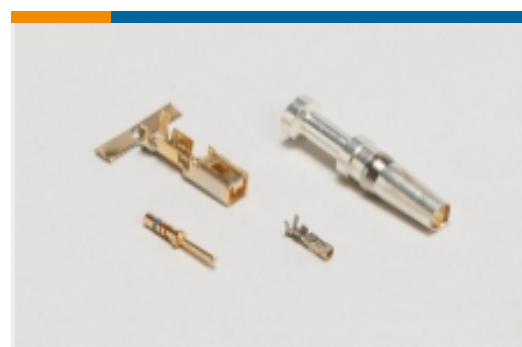


TE Part # 1-350778-2
02P UMNL V0 CAP HSG RED


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



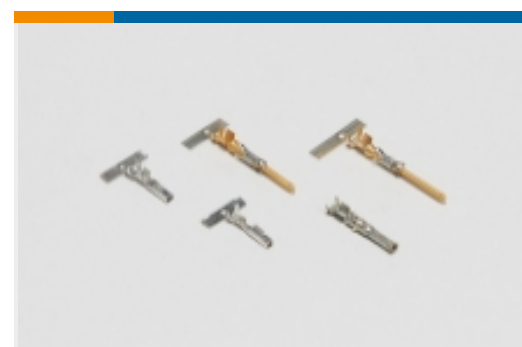
Circular Power Connectors(2)




Connector Contacts(11)



Insertion & Extraction Tools(4)



Power Contacts(207)




Rectangular Boots & Strain Relief(35)



Rectangular Connector Adapters(7)



Rectangular Connector Hardware(1)



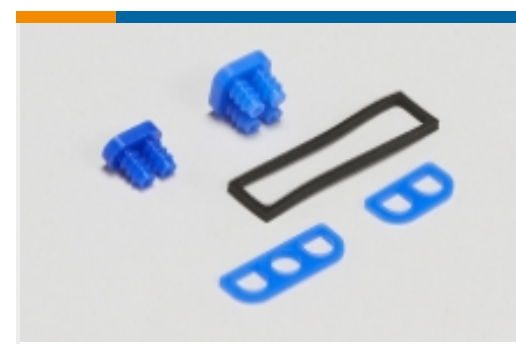
Rectangular Connector Housings(2)



Rectangular Connector Keying Plugs(3)



Rectangular Connector Locking(4)



Rectangular Connector Seals(26)



Rectangular Power Connectors(728)

Documents

Product Drawings

02P UMNL PLUG HSG, GW

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1586851-1_B1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1586851-1_B1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1586851-1_B1.3d_stp.zip](#)

English

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

Product Environmental Compliance

[MD_1586851-1_061220181034_dmtec](#)

English

[MD_1586851-1_061220181034_dmtec](#)

English

Agency Approvals

VDE Certificate

English