

1-770254-0 ✓ ACTIVE

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

TE Internal #: 1-770254-0

Power Contacts, Contact, 600 VAC, Gold, 20 – 14 AWG Wire Size, .

5 – 2 mm² Wire Size, Wire & Cable, Crimp, Power, Pin, Universal

MATE-N-LOK

[View on TE.com >](#)



Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Operating Voltage: **600 VAC**

Contact Mating Area Plating Material: **Gold**

Wire Size: **.5 – 2 mm²**

Features

Product Type Features

| | |
|------------------------------------|--------------|
| Compatible With Discrete Wire Type | Stranded |
| Power Contact Type | Contact |
| Connector & Contact Terminates To | Wire & Cable |

Electrical Characteristics

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

Contact Features

| | |
|---|-------------------|
| Contact Mating Area Plating Material | Gold |
| Contact Current Rating (Max) | 7 A |
| Contact Type | Pin |
| Contact Retention Within Housing | Without |
| Mating Pin Diameter | 2.13 mm [.084 in] |
| Contact Base Material | Brass |
| Contact Mating Area Plating Material Thickness | .76 μm [30 μin] |
| Wire Contact Termination Area Plating Thickness | 1.27 μm [50 μin] |
| Wire Contact Termination Area Plating Material | Tin |



| | |
|---|-----------------|
| Wire Contact Termination Area Plating Material Finish | Matte |
| Contact Orientation | Straight |
| Contact Underplating Material | Nickel |
| Contact Underplating Material Thickness | 1.27 µm[50 µin] |

Termination Features

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

Mechanical Attachment

| | |
|-------------------------|---------|
| Wire Insulation Support | Without |
|-------------------------|---------|

Dimensions

| | |
|--------------------------------------|-----------------------------|
| Wire Size | .5 – 2 mm ² |
| Compatible Insulation Diameter Range | 1.52 – 3.3 mm[.06 – .13 in] |

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 120 °C[-67 – 248 °F] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards

| | |
|-----------------|--------------------|
| CSA Rating | Certified, LR 7189 |
| UL Rating | Recognized |
| Agency/Standard | CSA, UL, VDE |

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 1000 |
| 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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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>

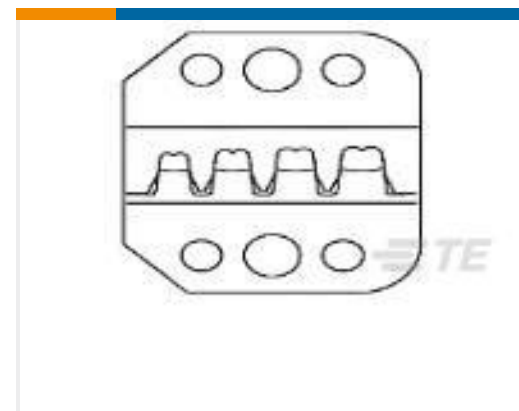
Compatible Parts



TE Part # 91506-1
CCII UNML UNML II PIN SKT 16-14 ASSY



TE Part # 90546-1
ASSY PRO-CRIMPER UNIV M-N-L



TE Part # 90546-2
PROCRIMPER DIE ASSY UNIV MNL



TE Part # 770022-1
12P UMNLI IN-LNE PLUG HSG KIT



TE Part # 770019-1
04P UMNLI IN-LNE PLUG HSG KIT



TE Part # 770028-1
09P UMNLI IN-LINE CAP HSG KIT



TE Part # 770026-1
04P UMNLI IN-LINE CAP HSG KIT



TE Part # 770024-1
02P UMNLI IN-LINE CAP HSG KIT



TE Part # 770029-1
12P UMNLI IN-LINE CAP HSG KIT



TE Part # 770021-1
09P UMNLI IN-LNE PLUG HSG KIT



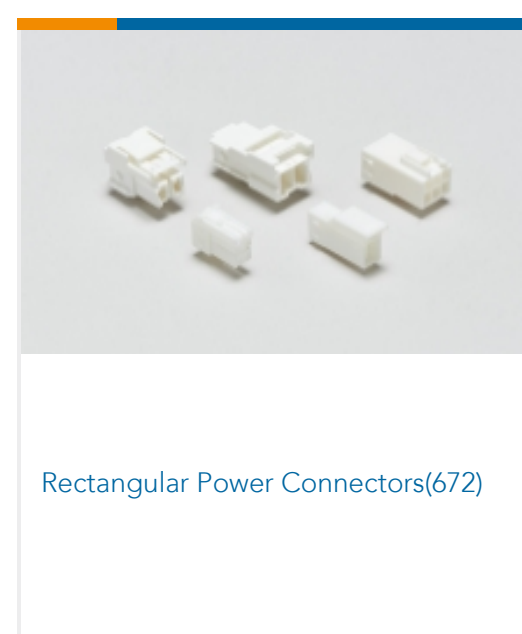
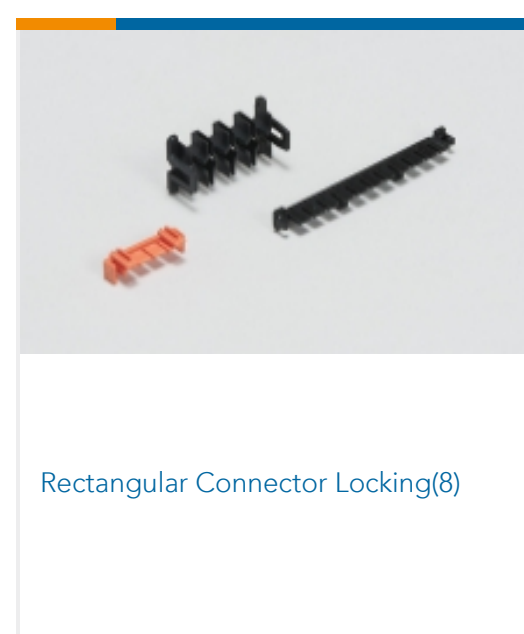
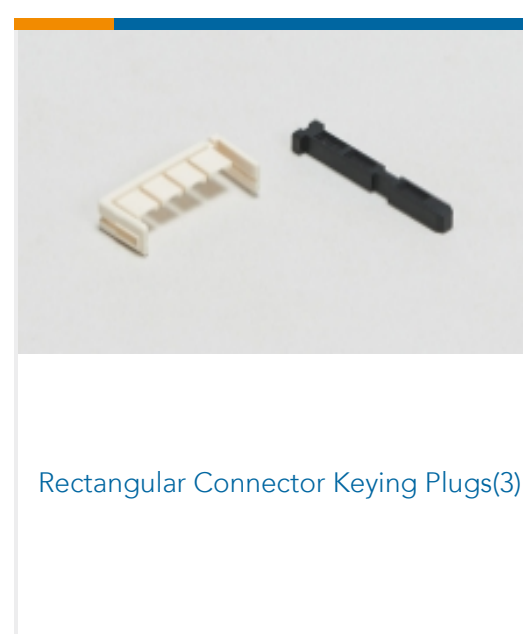
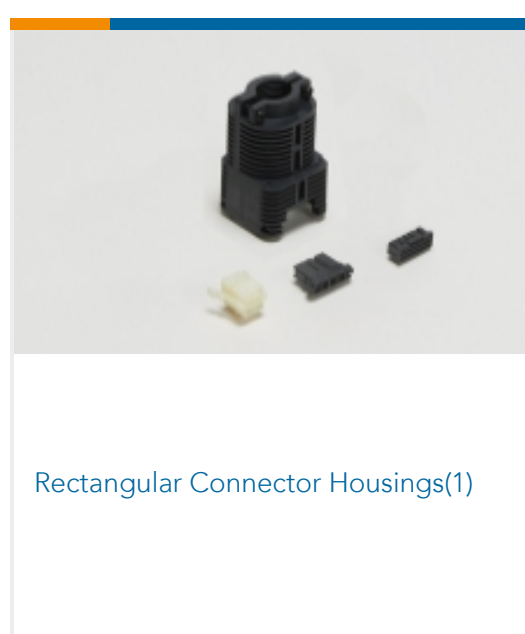
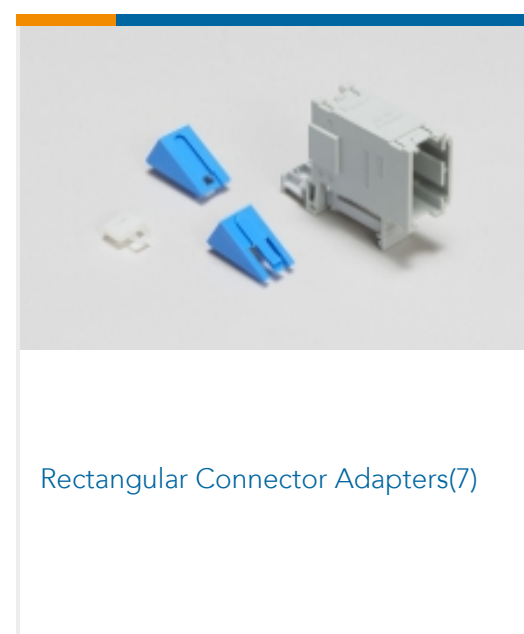
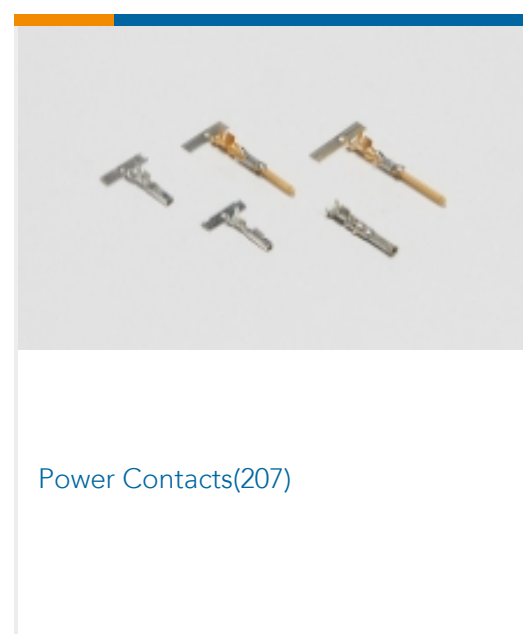
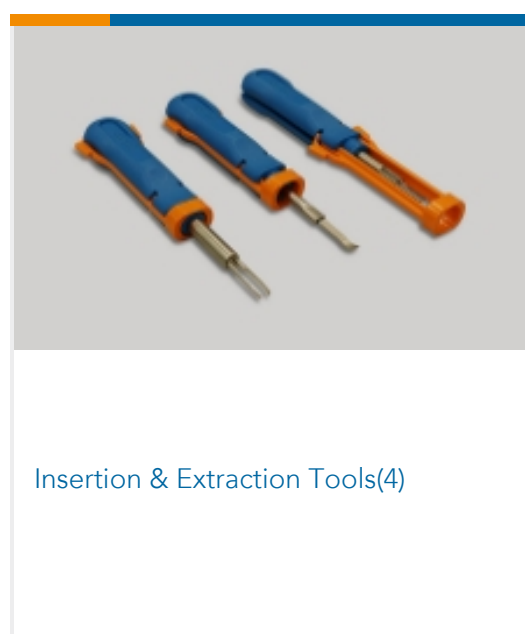
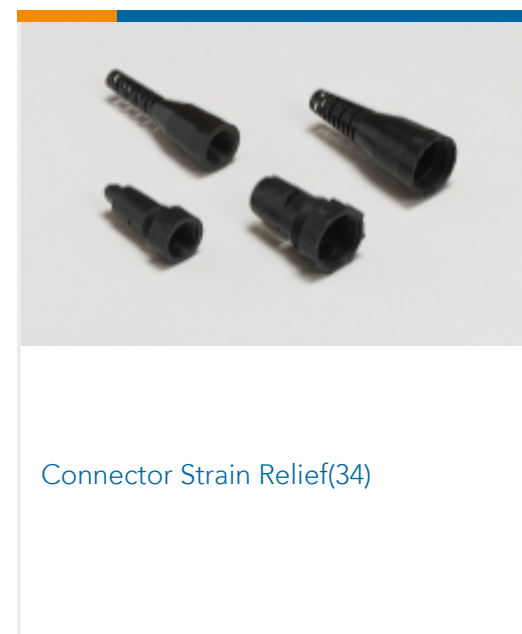
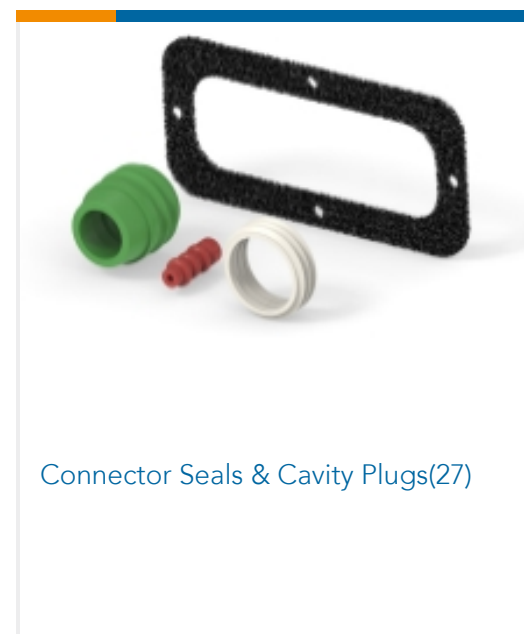
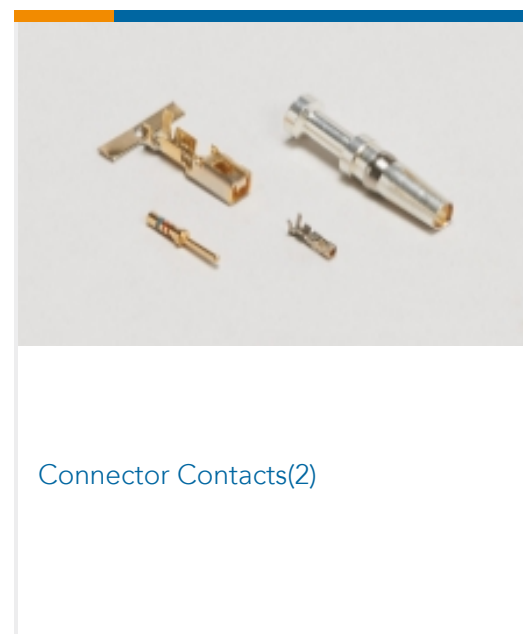
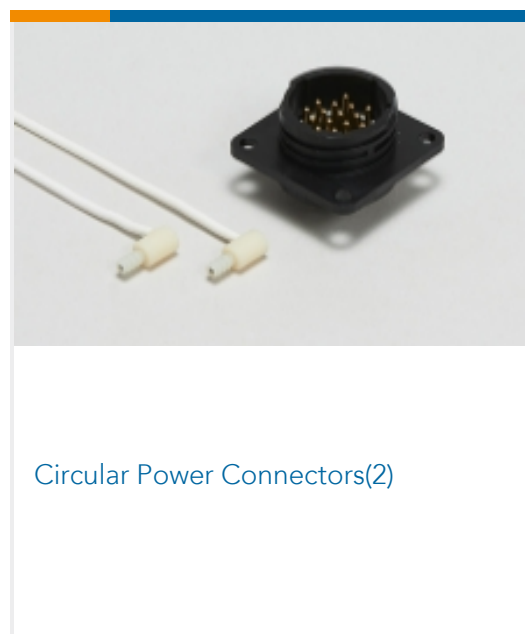
TE Part # 770030-1
15P UMNLI IN-LINE CAP HSG KIT



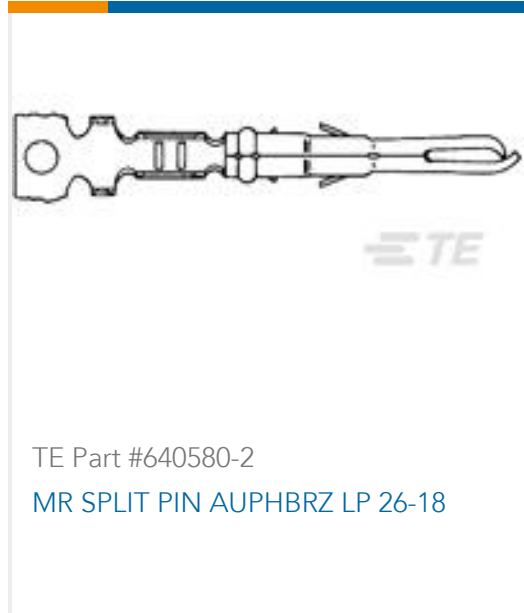
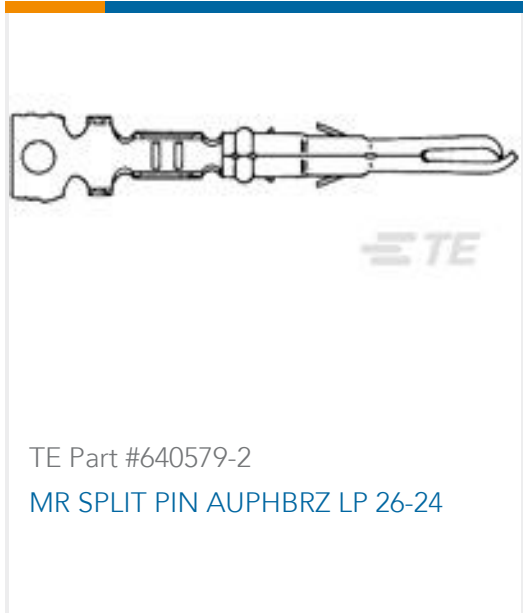
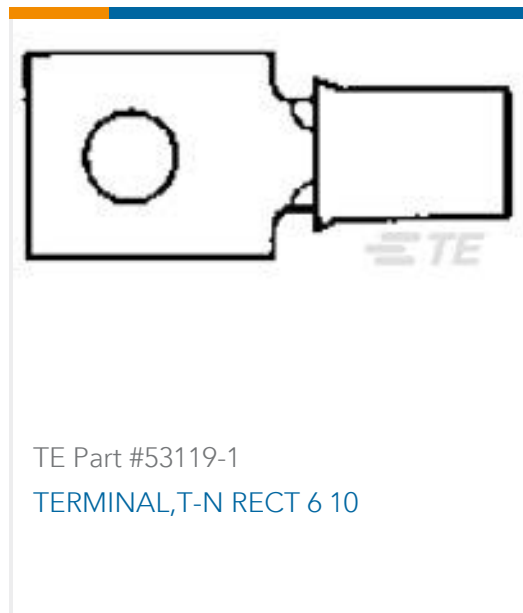
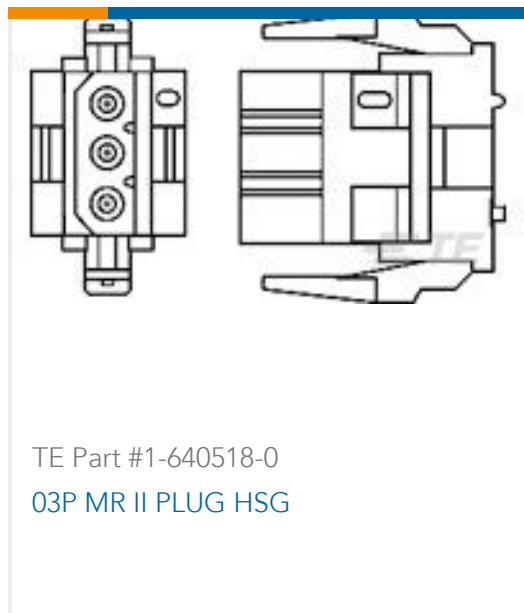
TE Part # 770018-1
03P UMNLI IN-LNE PLUG HSG KIT



Also in the Series | Universal MATE-N-LOK



Customers Also Bought



Documents

Product Drawings

[UMNL II GROUND PIN LP DUPL BR](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-770254-0_E.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-770254-0_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-770254-0_E.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