

770052-1 ✓ ACTIVE

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

TE Internal #: 770052-1

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire,
6 Position, 6.35 mm [.25 in] Centerline, Wire & Cable, UL 94V-0,
Universal MATE-N-LOK

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

Connector System: **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-Wire |
| Sealable | No |
| Connector & Contact Terminates To | Wire & Cable |

Configuration Features

| | |
|---------------------|---|
| Number of Positions | 6 |
| 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

| | |
|-------------------------|----------------------------|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
|-------------------------|----------------------------|

Housing Features

| | |
|--------------------|------------------|
| Centerline (Pitch) | 6.35 mm [.25 in] |
|--------------------|------------------|

| | |
|---------------|---------|
| Housing Color | Natural |
|---------------|---------|

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

Dimensions

| | |
|--|-------|
| | .8 in |
|--|-------|

| | |
|--------------------|------------------|
| Row-to-Row Spacing | 6.35 mm [.25 in] |
|--------------------|------------------|

Usage Conditions

| | |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -55 – 120 °C [-67 – 248 °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-0 |
|------------------------|----------|

| | |
|------------------|-------------------------------|
| 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: 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

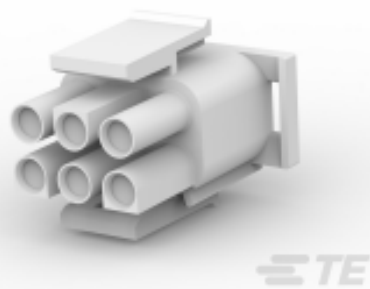
Solder Process Capability

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>

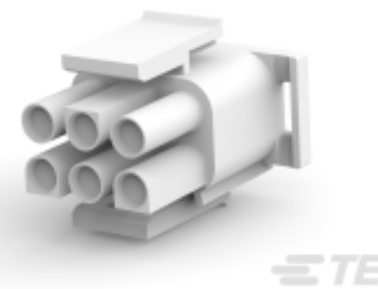
Compatible Parts



TE Part # 1644055-1
UNIV MATE-N-LOK HOUSING 6W



TE Part # 770020-1
06P UMNLII IN-LNE PLUG HSG KIT



TE Part # 1586846-1
06P UMNL PLUG HSG NATL, GW



TE Part # 8-794535-1
06P UMNL PLUG HSG 150C BLK, SP



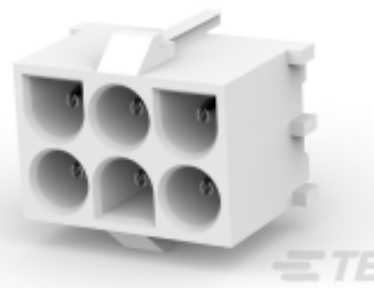
TE Part # 770051-1
06P UMNL II CAP-FRONT 94VO



TE Part # 794816-2
06P UMNL PLUG, GWI-V2



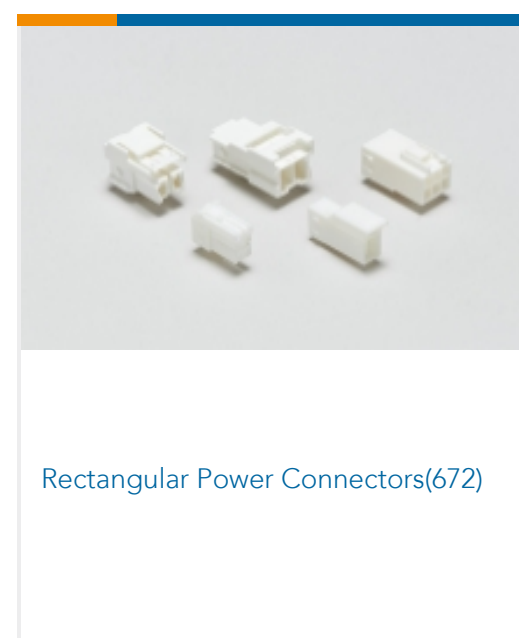
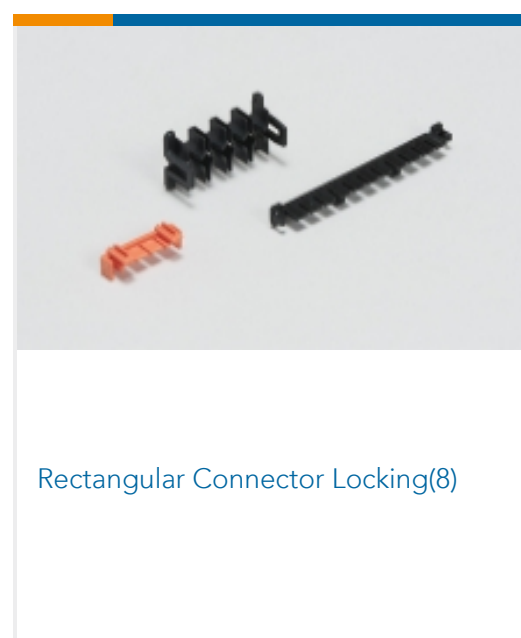
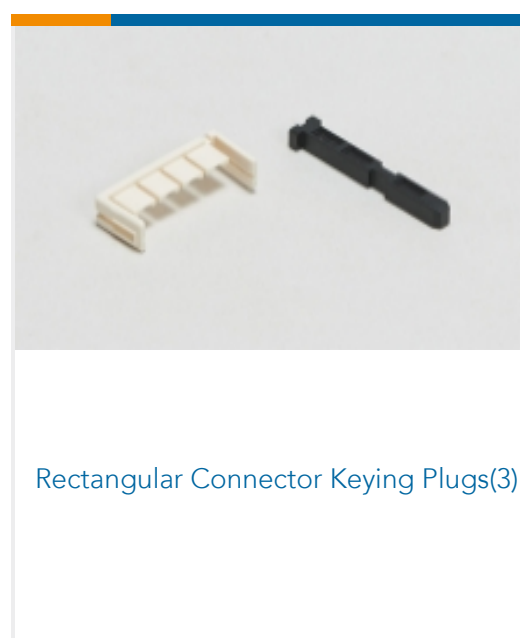
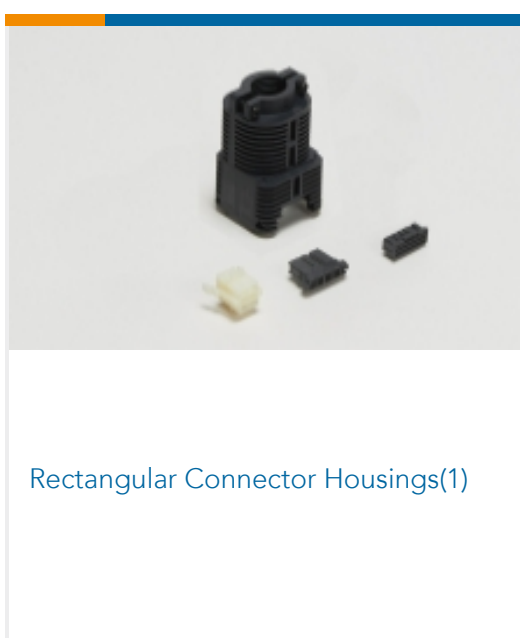
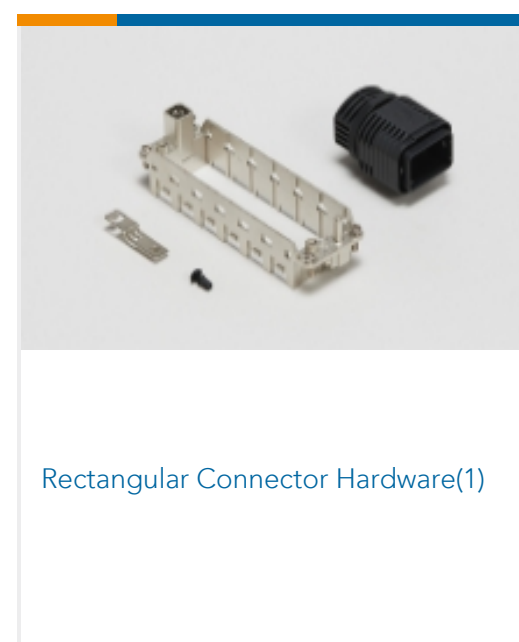
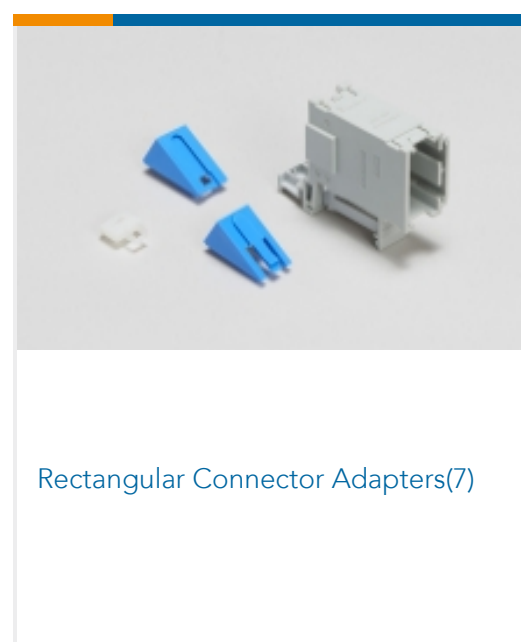
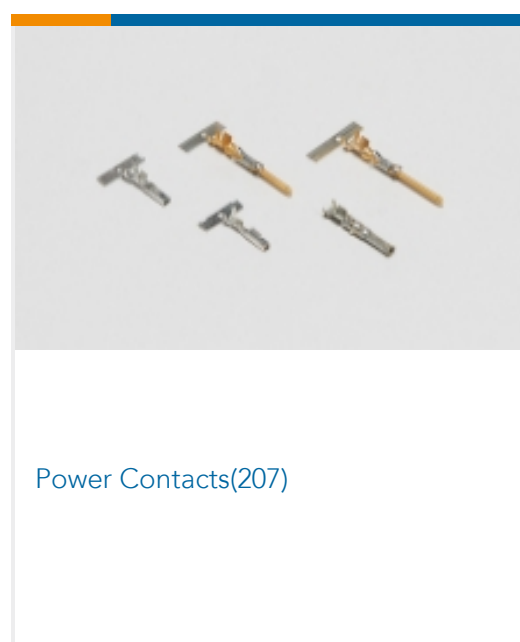
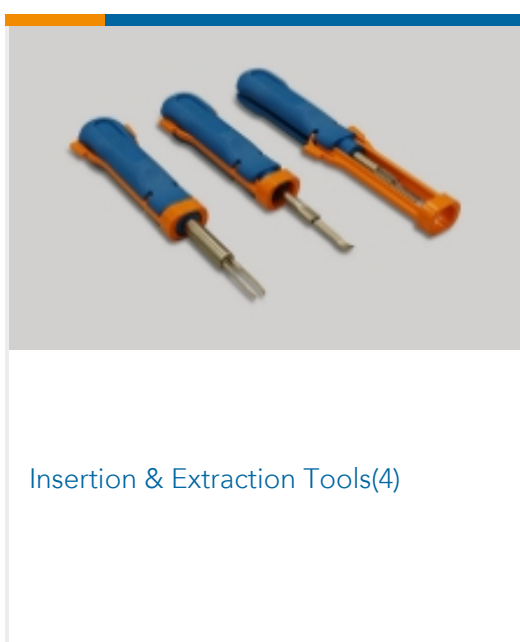
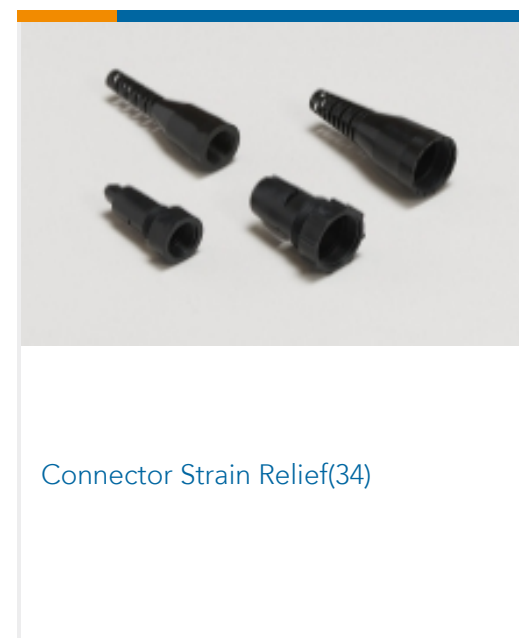
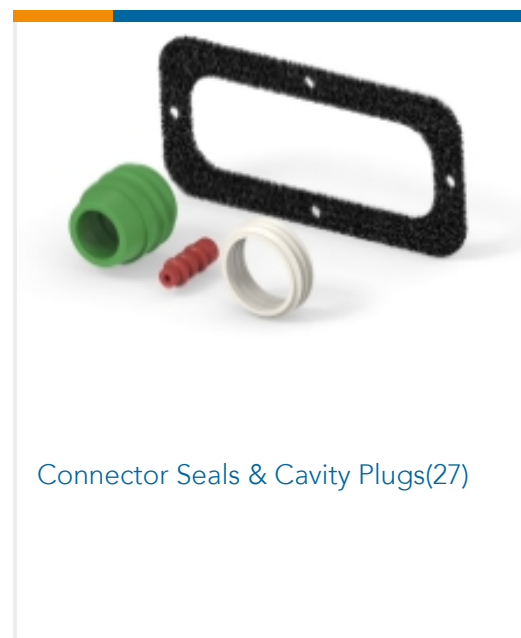
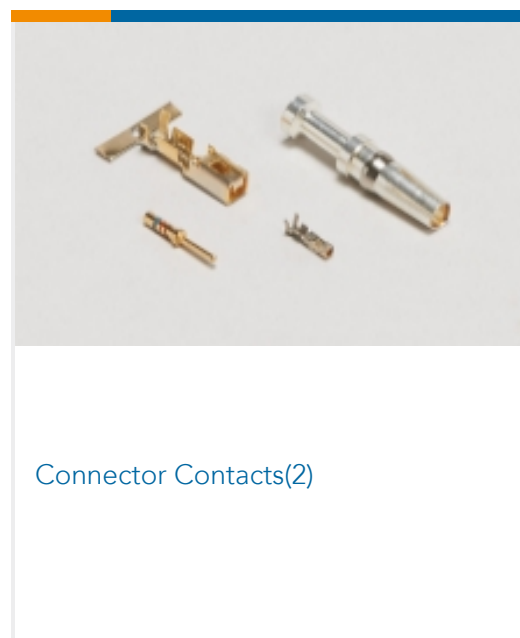
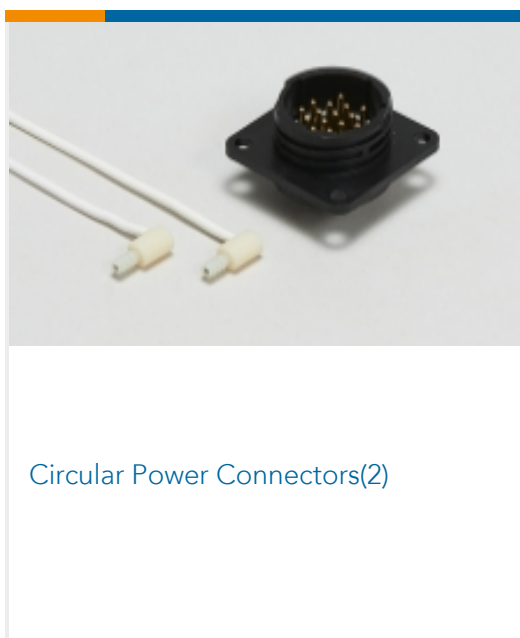
TE Part # 794535-1
06P UMNL PLUG HSG 150C BLK



TE Part # 1586090-1
06P UMNL PINHDR NO DRAIN HOLE



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



Customers Also Bought



Documents

Product Drawings

[06P UMNL II CAP REAR 94VO](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_770052-1_Y.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_770052-1_Y.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_770052-1_Y.3d_stp.zip](#)

English

[3D PDF](#)

English



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English

Customer View Model

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English

Customer View Model

[ENG_CVM_770052-1_F.2d_dxf.zip](#)

English

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Datasheets & Catalog Pages

[SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY](#)

English

Product Specifications

[Application Specification](#)

English