

1-480704-0 ✓ ACTIVE

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

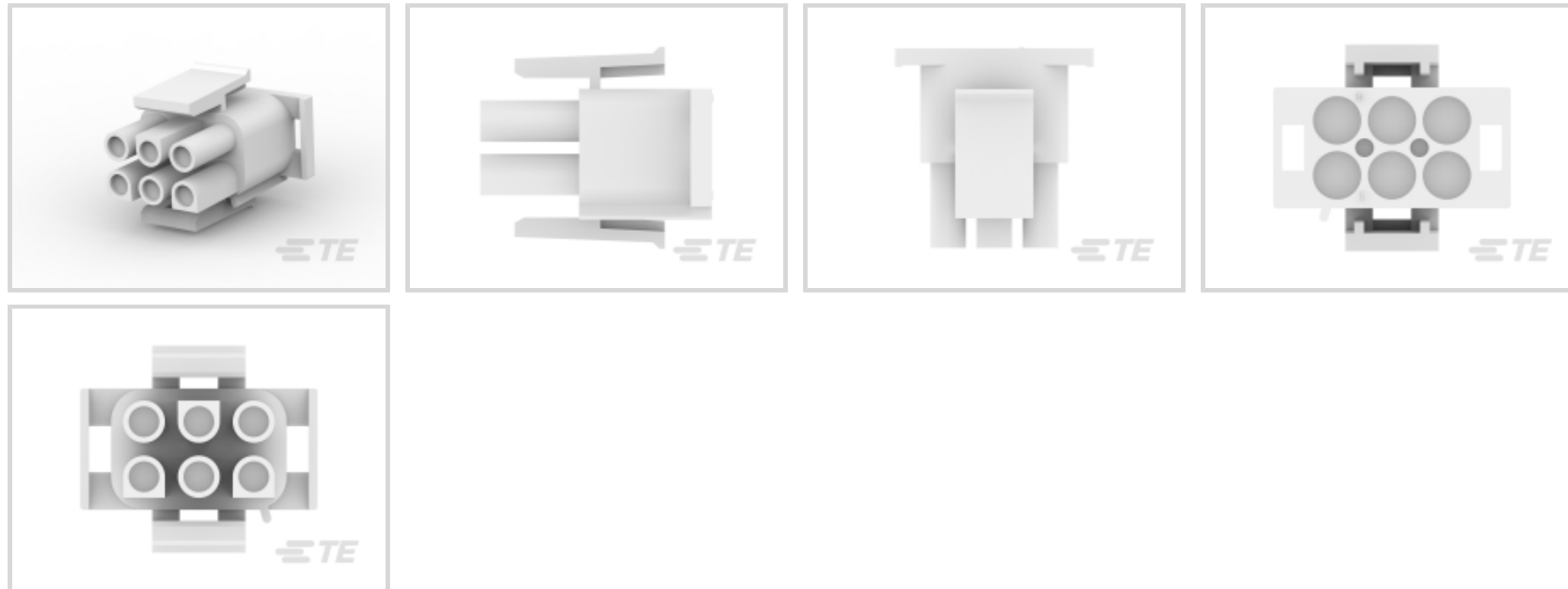
TE Internal #: 1-480704-0

Rectangular Power Connectors, Housing, Plug, Wire-to-Board /  
Wire-to-Wire, 6 Position, 6.35 mm [.25 in] Centerline, Wire & Cable,  
Universal MATE-N-LOK

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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: **6**

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	6
Number of Power Positions	0
Number of Signal Positions	0
Number of Rows	2

### Electrical Characteristics

Operating Voltage	600 VAC
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### Contact Features

Multiple Contact Types	Without
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Contact Layout	Matrix
Contact Retention Within Housing	Without
Contact Type	Socket

#### Termination Features

Termination Method to Wire & Cable	Crimp
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#### Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
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#### Housing Features

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

#### Dimensions

Row-to-Row Spacing	6.35 mm [.25 in]
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#### Usage Conditions

Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]
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#### Operation/Application

Circuit Application	Power & Signal
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#### 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
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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

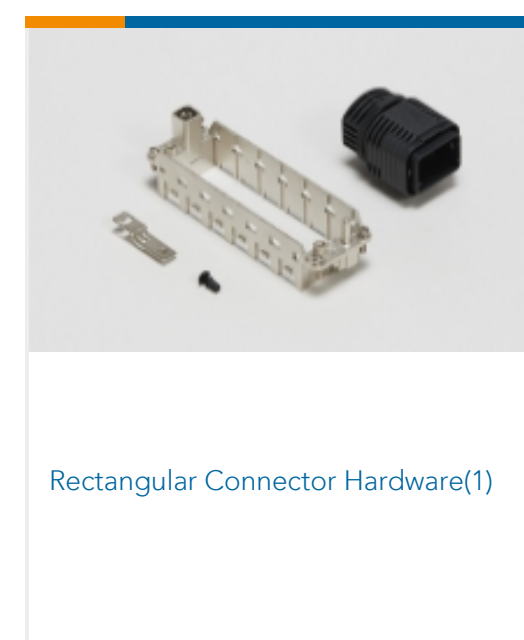
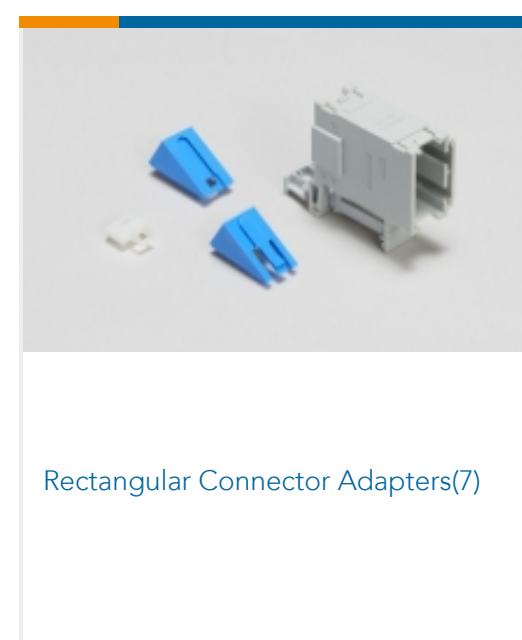
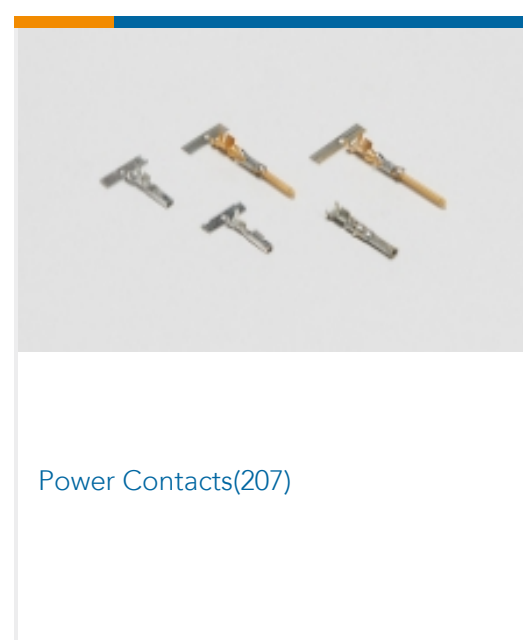
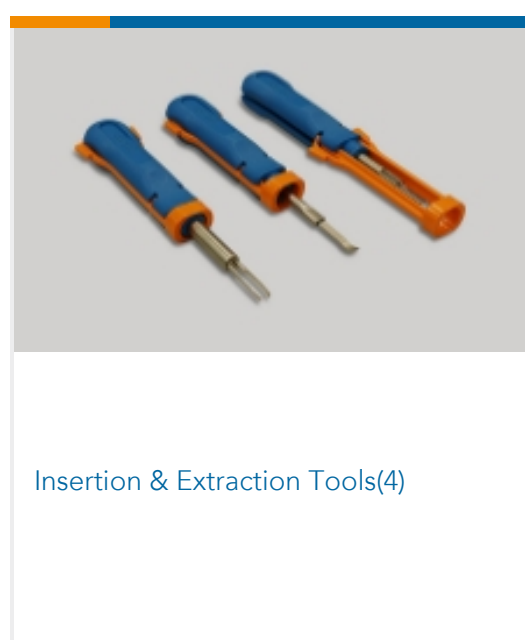
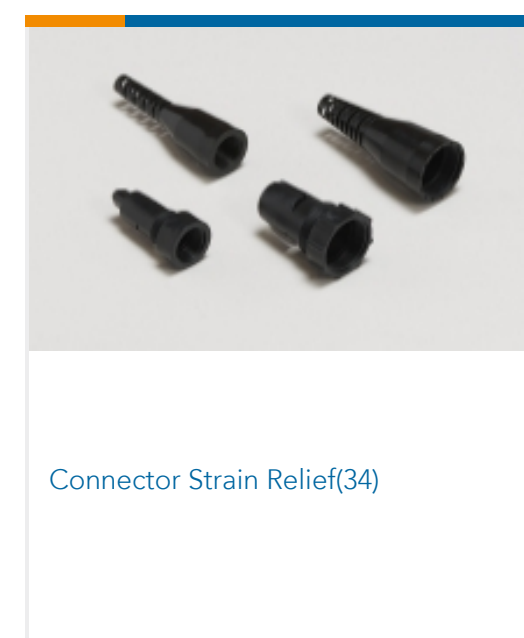
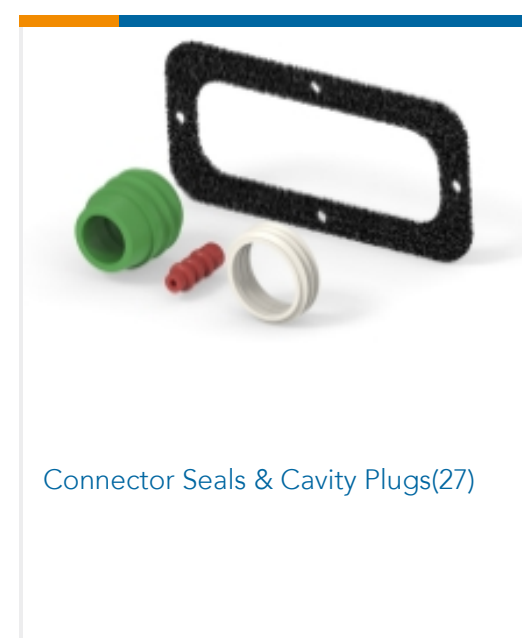
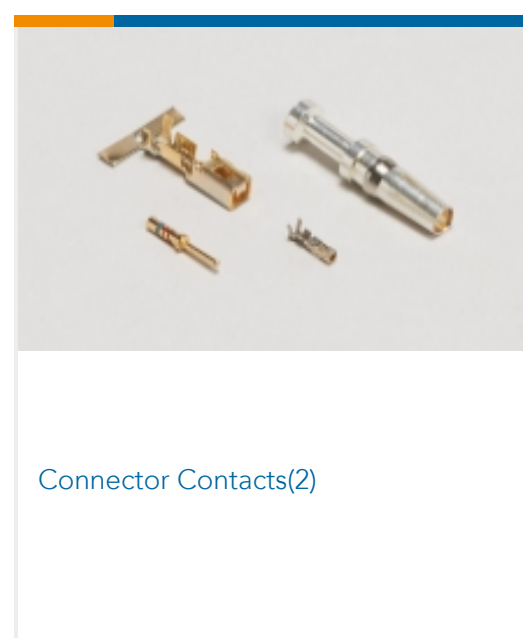
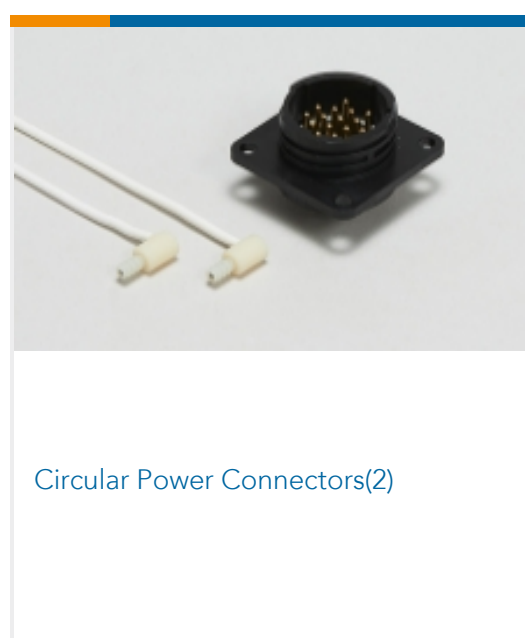
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

 <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 # 350762-5 06P UMNL HDR ASSY PC LF</p>
 <p>TE Part # 926902-3 UNIV-MNL SPLIT ST</p>	 <p>TE Part # 350550-7 UMNL SOK 20-14 AU/BR L/P</p>	 <p>TE Part # 350690-3 UMNL PIN 24-18 PTPPHBZ L/P</p>	 <p>TE Part # 350689-7 UMNL SOK 24-18 AUBR L/P</p>

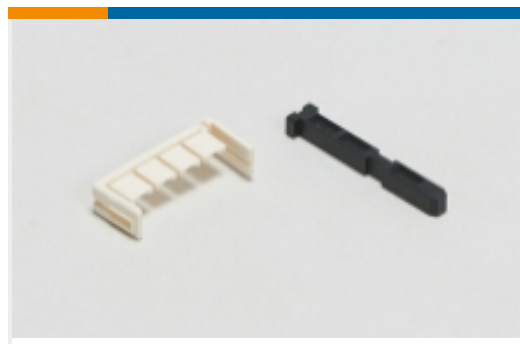


## Also in the Series | Universal MATE-N-LOK





Rectangular Connector Housings(1)



Rectangular Connector Keying Plugs(3)



Rectangular Connector Locking(8)



Rectangular Power Connectors(672)

## Customers Also Bought



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



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



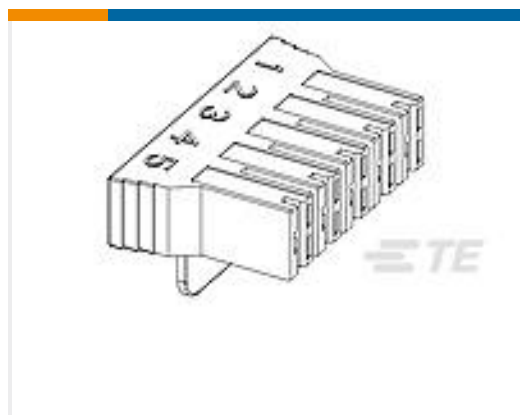
TE Part #1-480707-0  
09P UMNL CAP HSG NATL



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



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



TE Part #521780-1  
250 HSG. PL MKIII REC. 7.11mm 5P  
NAT



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



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



TE Part #521282-2  
ULTRA-POD 250 ASSY REC 18-14  
AWG TPBR



TE Part #CSI-RGFE-300-UFFR  
RP-SMA to U.FL/MHF1 300mm 1.13  
OD

## Documents

### Product Drawings

[06P UMNL PLUG HSG NATL](#)

English

### CAD Files

[3D PDF](#)

English

### Customer View Model

[ENG\\_CVM\\_1-480704-0\\_AP.3d\\_igs.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_1-480704-0\\_AP.3d\\_stp.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_1-480704-0\\_AP.2d\\_dxf.zip](#)

English

**3D PDF**

3D

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-480704-0\\_CB.2d\\_dxf.zip](#)

English

**Customer View Model**

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English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-480704-0\\_CB.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

[SOFT\\_SHELL\\_PIN\\_SOCKET\\_CONNECTORS\\_STANDARD\\_DENSITY](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Product Environmental Compliance

[Product Compliance Document](#)

English

[Product Compliance Document](#)

English

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### Instruction Sheets

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

English

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

English