

770027-1 ✓ ACTIVE

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

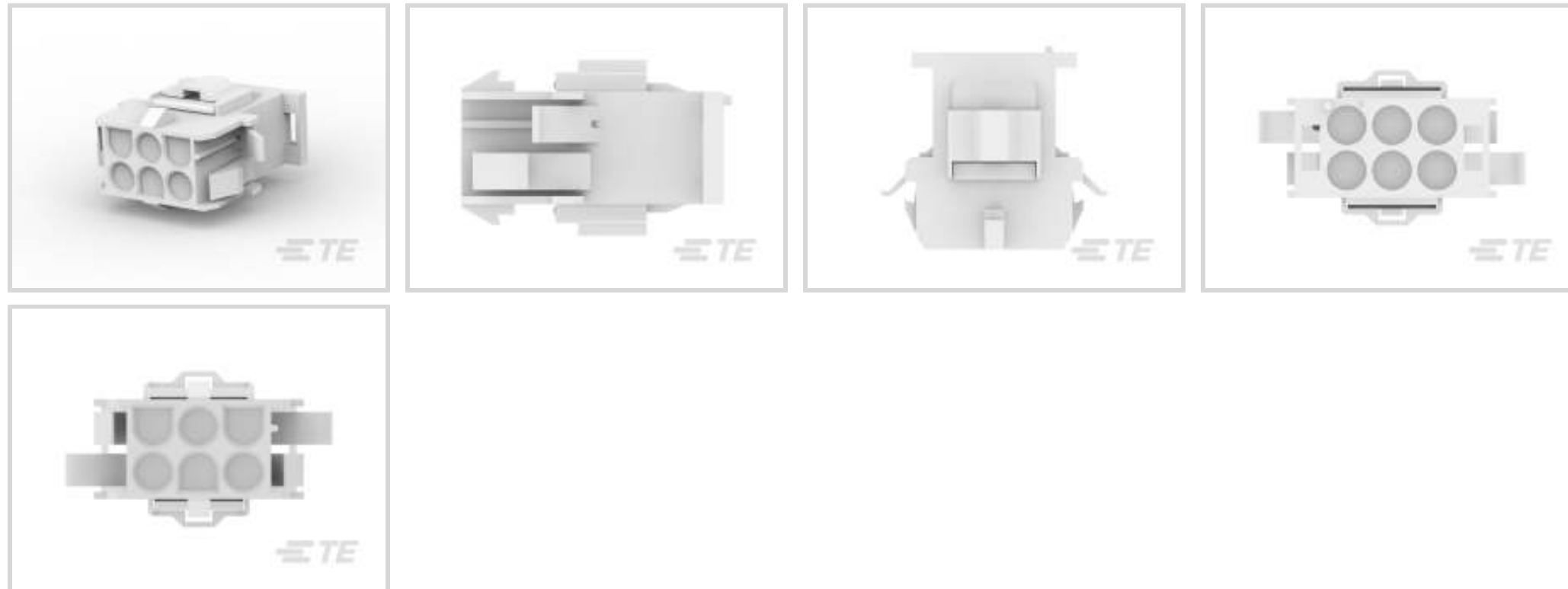
TE Internal #: 770027-1

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire / Wire-to-Panel, 6 Position, 6.35 mm [.25 in] Centerline, Universal MATE-N-LOK

[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: **6**

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

## Features

### Product Type Features

Assembly Requirement	Unassembled Kit
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	6
Number of Rows	2

### Electrical Characteristics

Operating Voltage	600 VAC
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### 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
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### 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	White
Housing Material	Nylon GF

### Dimensions

Panel Thickness (Recommended)	.76 – 2.29 mm [.03 – .09 in]
Product Width	13.97 mm
Product Length	21.48 mm
Row-to-Row Spacing	6.35 mm [.25 in]

### Usage Conditions

Operating Temperature Range	-55 – 120 °C [-67 – 248 °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-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: JAN 2023 (233) 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 # 770253-3 UMNL II SOK PTPPHBZ LP 24-18</p>	 <p>TE Part # 770247-3 UMNL II SOK PTPPHBZ LP 12-10</p>	 <p>TE Part # 1-770251-0 UMNLII SOK PTPPHBZ LP LF 20-14</p>	 <p>TE Part # 770252-1 UMNL II PIN PTPBR LP 24-18</p>
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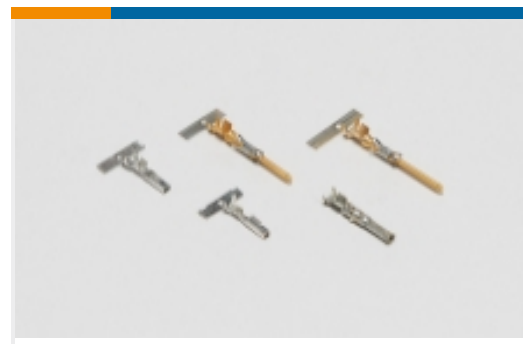
 <p>TE Part # 1-770250-0 UMNL II PIN SN/AUNI/BR LP20-14</p>	 <p>TE Part # 770250-1 UMNL II PIN PTPBR LP 20-14</p>	 <p>TE Part # 770251-3 UMNL II SOK PTPPHBZ LP 20-14</p>	 <p>TE Part # 1644055-1 UNIV MATE-N-LOK HOUSING 6W</p>
 <p>TE Part # 1-770005-0 UMNL II PIN AUSN/NI/BR</p>	 <p>TE Part # 770020-1 06P UMNLII IN-LNE PLUG HSG KIT</p>	 <p>TE Part # 640581-1 06P UMNL PLUG HSG</p>	 <p>TE Part # 1-770009-0 UMNL II PIN AUSN/NI/BR</p>
 <p>TE Part # 1586846-1 06P UMNL PLUG HSG NATL, GW</p>	 <p>TE Part # 1-770247-0 UMNL II SOK SN/AUNI/PHBZ LP</p>	 <p>TE Part # 770003-3 UMNL II PIN PTPPHBZ</p>	 <p>TE Part # 1-770010-0 UMNL II SOK SN/AUNI/PHBZ LF</p>
 <p>TE Part # 350715-1 06P UMNL PLUG HSG</p>	 <p>TE Part # 770010-3 UMNL II SOK PTPPHBZ</p>	 <p>TE Part # 770004-3 UMNL II SOK PTPPHBZ</p>	 <p>TE Part # 8-794535-1 06P UMNL PLUG HSG 150C BLK, SP</p>

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

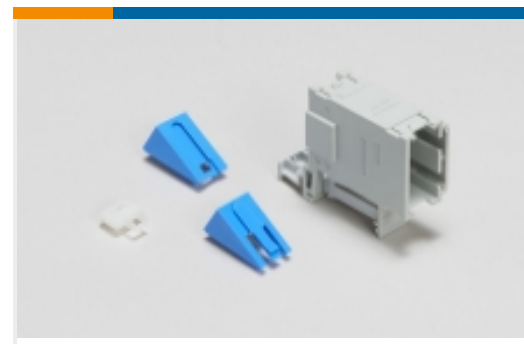
 <p>Circular Power Connectors(2)</p>	 <p>Connector Contacts(2)</p>	 <p>Connector Seals &amp; Cavity Plugs(27)</p>	 <p>Connector Strain Relief(34)</p>
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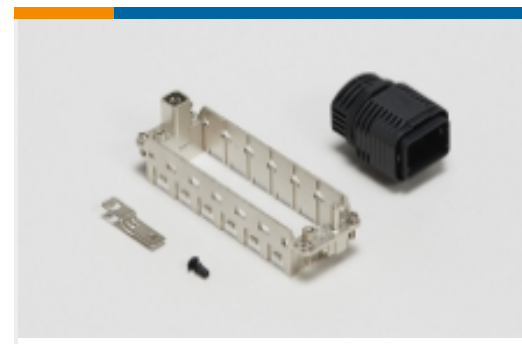
Insertion & Extraction Tools(4)



Power Contacts(209)



Rectangular Connector Adapters(7)



Rectangular Connector Hardware(1)



Rectangular Connector Housings(1)



Rectangular Connector Keying Plugs(3)



Rectangular Connector Locking(8)



Rectangular Power Connectors(672)

### Customers Also Bought



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



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



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



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



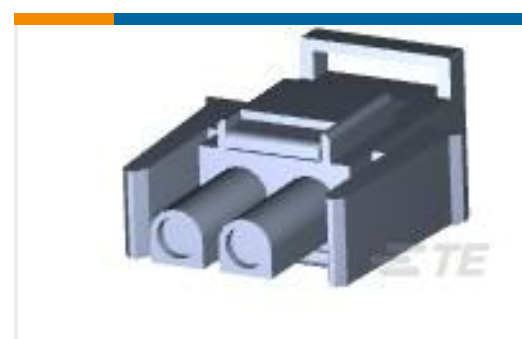
TE Part #770021-1  
09P UMNLII IN-LNE PLUG HSG KIT



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



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



TE Part #770017-1  
02P UMNLII IN-LNE PLUG HSG KIT



TE Part #770023-1  
15P UMNLII IN-LNE PLUG HSG KIT



TE Part #770003-3  
UMNL II PIN PTPPHBZ

### Documents



### Product Drawings

#### 06P UMNLI IN-LINE CAP HSG KIT

English

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### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_770027-1\\_E.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_770027-1\\_E.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_770027-1\\_E.3d\\_stp.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_770027-1\\_G.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_770027-1\\_G.3d\\_igs.zip](#)

English

#### Customer View Model

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English

#### 3D PDF

English

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

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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

[MD\\_770027-1\\_06082018947\\_dmtec](#)

English

[MD\\_770027-1\\_06082018947\\_dmtec](#)

English

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### Instruction Sheets

#### Instruction Sheet (U.S.)

English

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[Agency Approvals](#)

[VDE Certificate](#)

English