

770020-1 ✓ ACTIVE

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

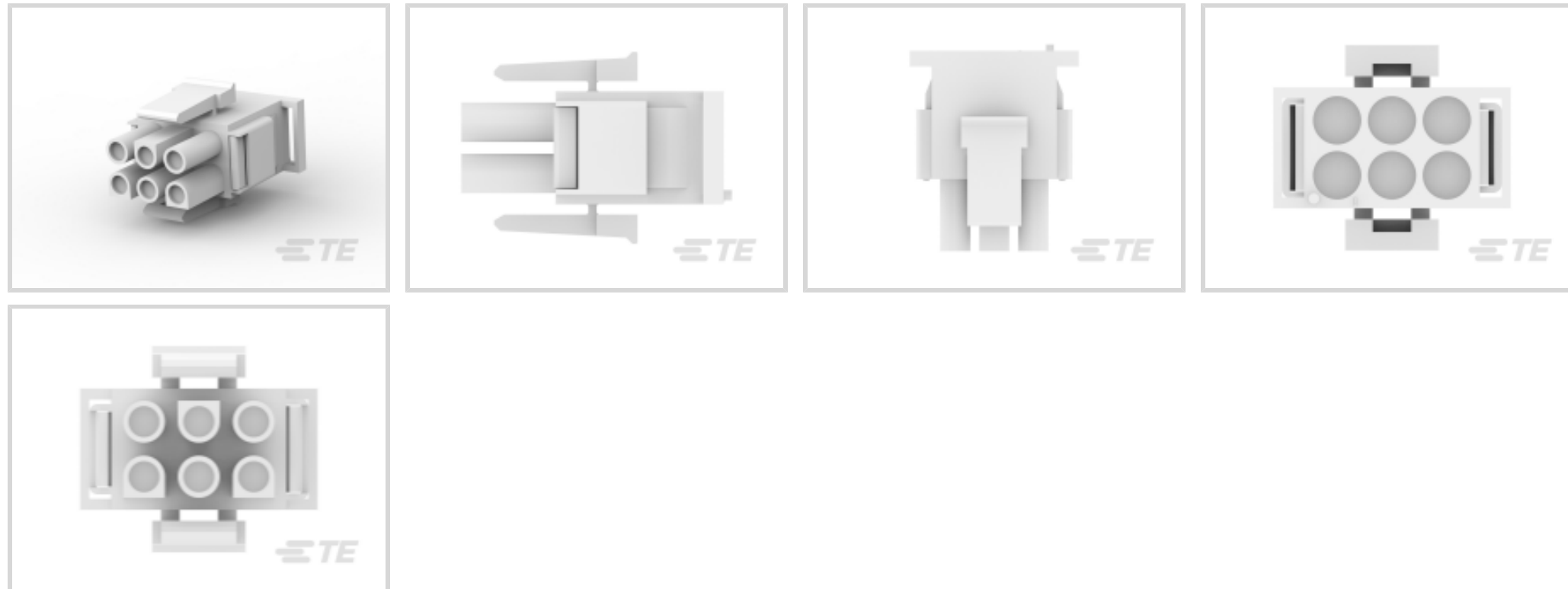
TE Internal #: 770020-1

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

[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-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-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	Socket
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### 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]
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Housing Color	White
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Housing Material	Nylon GF
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### Dimensions

Product Width	13.97 mm
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Product Length	22.99 mm
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Row-to-Row Spacing	6.35 mm [.25 in]
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### 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
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UL Rating	Recognized
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Compatible With Agency/Standards Products	CSA, UL, VDE
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Compatible With Approved Standards Products	UL E28476
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UL Flammability Rating	UL 94V-0
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Glow Wire Rating	Standard Part - Not Glow Wire
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### Packaging Features

Packaging Quantity	1
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Packaging Method	Package
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### 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 2024 (241)

Candidate List Declared Against: JUNE 2024 (241)

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 # 770253-3  
UMNL II SOK PTPPHBZ LP 24-18



TE Part # 350732-4  
06P UMNL PIN HDR ASSY 94VO LF



TE Part # 350732-1  
06P UMNL PIN HDR ASSY 94VO



TE Part # 770247-3  
UMNL II SOK PTPPHBZ LP 12-10



TE Part # 926307-3  
6P UN-MNL AUFN-GEH



TE Part # 350834-1  
06P UMNL HDR ASSY PC 94VO



TE Part # 770252-1  
UMNL II PIN PTPBR LP 24-18



TE Part # 1-770250-0  
UMNL II PIN SN/AUNI/BR LP20-14



TE Part # 770250-1  
UMNL II PIN PTPBR LP 20-14



TE Part # 770251-3  
UMNL II SOK PTPPHBZ LP 20-14



TE Part # 350827-4  
06P UMNL HDR ASSY PC 94VO LF



TE Part # 194002-1  
PIN ASSY..070



TE Part # 350711-1  
06P UMNL PIN HDR ASSY 94VO



TE Part # 350711-4  
06P UMNL PIN HDR ASSY 94VO LF



TE Part # 1-770005-0  
UMNL II PIN AUSN/NI/BR



TE Part # 350827-1  
06P UMNL HDR ASSY PC 94VO



TE Part # 641970-1  
06P UMNL PIN HDR ASSY 94VO



TE Part # 1586860-1  
06P UMNL CAP HSG, GW

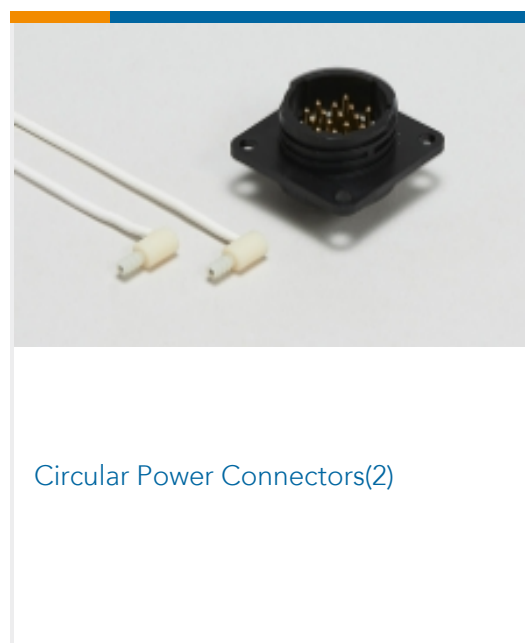


TE Part # 643424-3  
06P UMNL HDR ASSY POL 94VO LF



TE Part # 641970-3  
06P UMNL PIN HDR ASSY 94VO LF

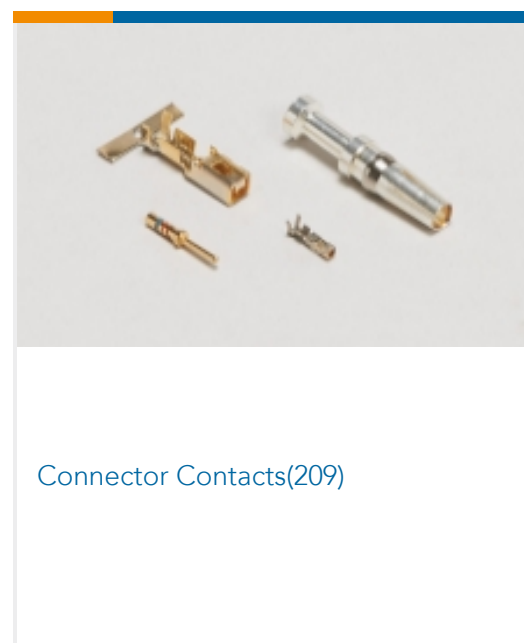
## Also in the Series | Universal MATE-N-LOK



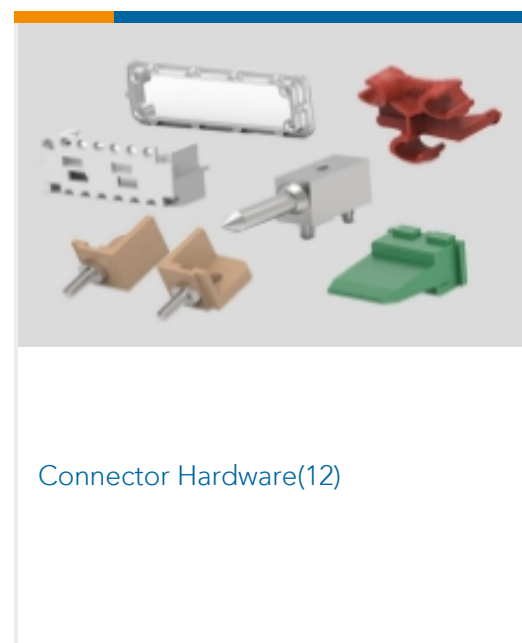
Circular Power Connectors(2)



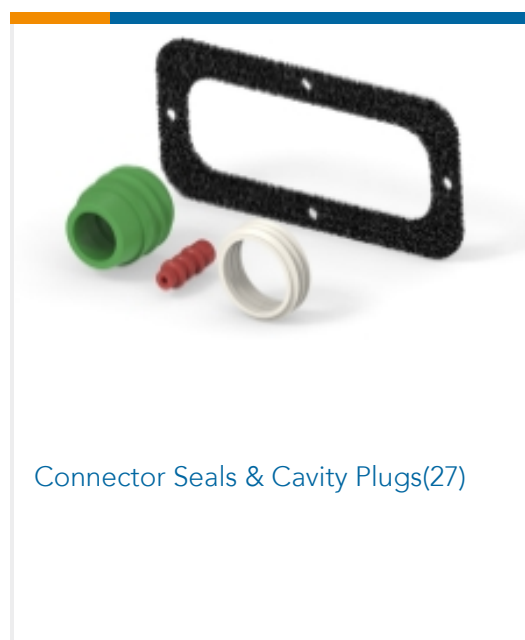
Connector Caps & Covers(34)



Connector Contacts(209)



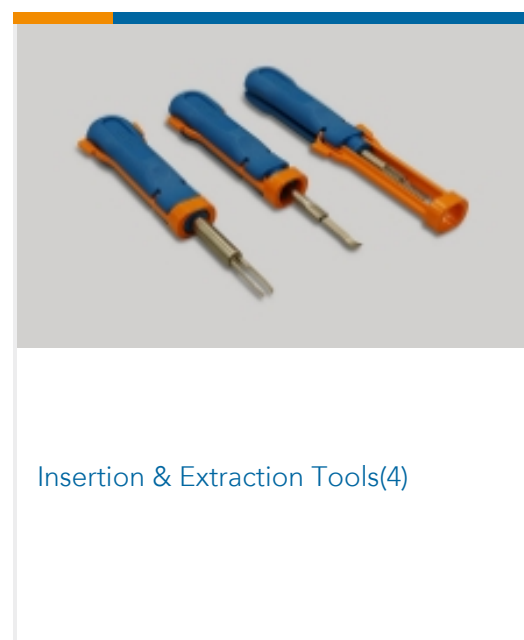
Connector Hardware(12)



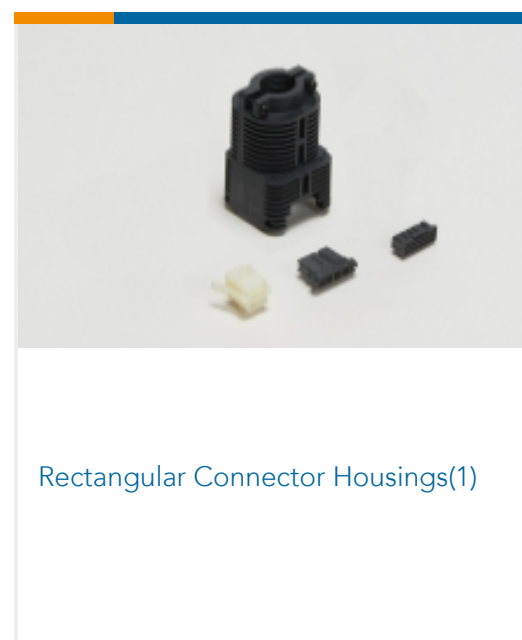
Connector Seals & Cavity Plugs(27)



Connector Strain Relief(7)



Insertion & Extraction Tools(4)



Rectangular Connector Housings(1)





Rectangular Power Connectors(670)



Standard Circular Connectors(1)

## Customers Also Bought



TE Part #770022-1  
12P UMNLII IN-LINE PLUG HSG KIT



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



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



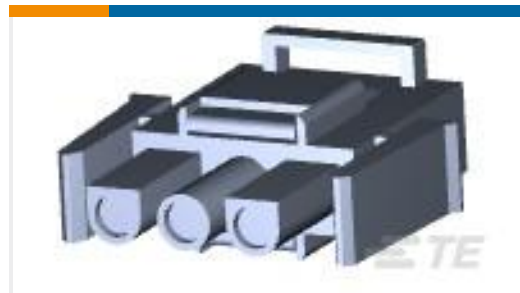
TE Part #770024-1  
02P UMNLII IN-LINE CAP HSG KIT



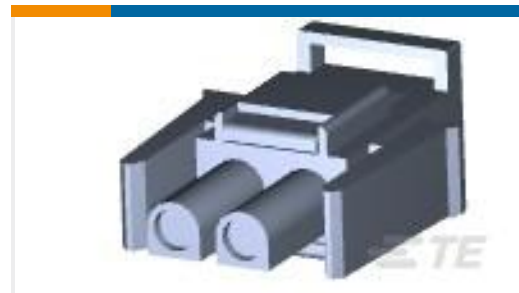
TE Part #770029-1  
12P UMNLII IN-LINE CAP HSG KIT



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



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



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



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



TE Part #770010-3  
UMNL II SOK PTPPHBZ

## Documents

### Product Drawings

[06P UMNLII IN-LINE PLUG HSG KIT](#)

English

### CAD Files

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_770020-1\\_F.2d\\_dxf.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_770020-1\\_F.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_770020-1\\_F.3d\\_stp.zip](#)

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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### Instruction Sheets

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

English

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### Agency Approvals

[VDE Certificate](#)

English