

770020-1 ✓ ACTIVE

MATE-N-LOK | Universal MATE-N-LOK, Universal MATE-N-LOK II

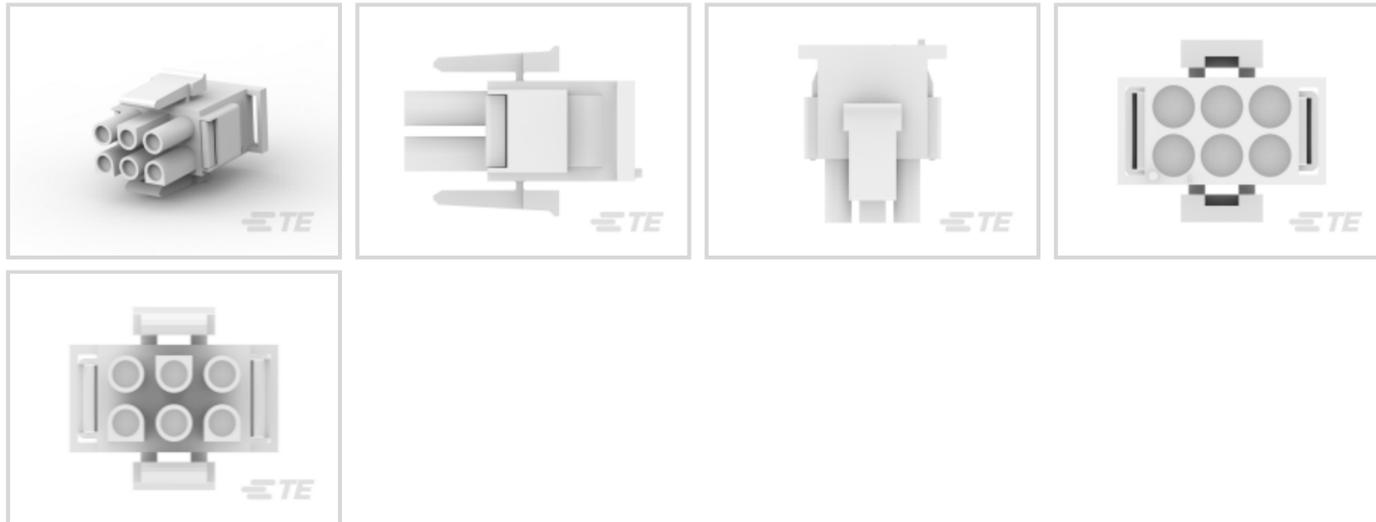
TE Internal #: 770020-1

6 Position, Plug, Housing, Crimp, Wire-to-Wire, UL 94V-0, 6.35 mm [.25 in] Centerline, 2 Row, 600 VAC, Wire & Cable, Universal MATE-N-LOK

[View on TE.com >](#)



Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

Termination Method to Wire & Cable: **Crimp**

Connector System: **Wire-to-Wire**

Contact Retention Within Housing: **Without**

Features

Product Type Features

Connector Product 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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Body Features

Primary Product Color	White
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Contact Features

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Multiple Contact Types	Without
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 Material	Nylon GF

Dimensions

Connector Width	13.97 mm
Connector Length	22.99 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

Compatible With Agency/Standards Products	CSA, UL, VDE
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
CSA Rating	Certified, LR 7189
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	1
Packaging Method	Package

Product Compliance

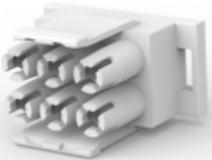
[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

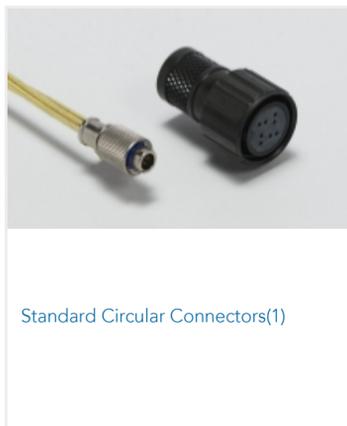
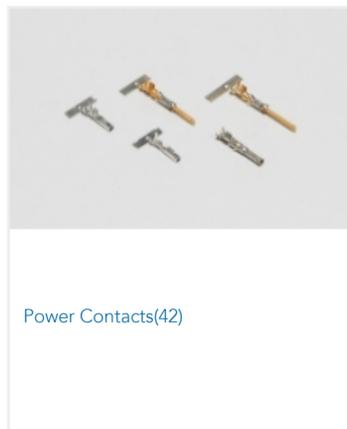
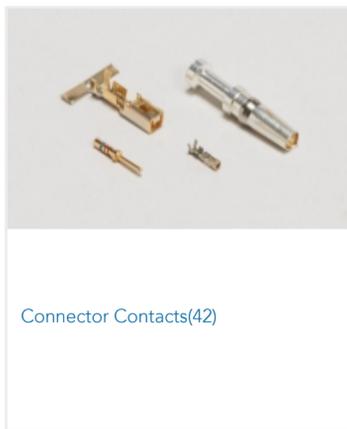
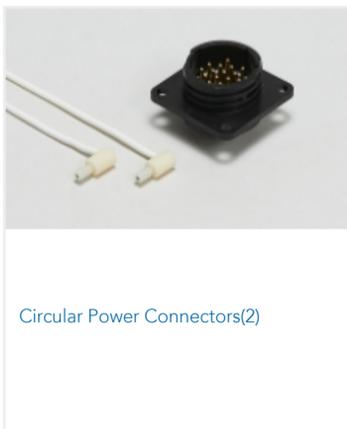
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1-770009-0 UMNL II PIN AUSN/NI/BR</p>	 <p>TE Part # 2029369-1 06P UMNL-II REAR, TW-N-LK-CAP</p>	 <p>TE Part # 350781-1 06P UMNL CAP HSG</p>	 <p>TE Part # 770012-6 UMNL II SOK SELECT AU/PHBZ</p>
 <p>TE Part # 770377-1 UMNL II KEYING PLUG</p>	 <p>TE Part # 193842-1 SKT ASSY., 2MM, 12-14 AWG</p>	 <p>TE Part # 2029367-1 06P UMNL-II TW-N-LK-CAP FRONT</p>	 <p>TE Part # 350711-1 06P UMNL PIN HDR ASSY 94V0</p>



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



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



Connector Contacts(42)



Connector Hardware(1)



Hand Crimping Tools(3)



Power Contacts(42)



Rectangular Connector Housings(45)

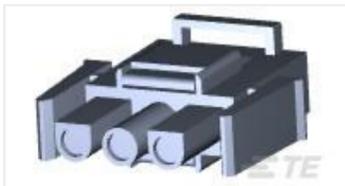


Rectangular Power Connectors(45)



Standard Rectangular Connectors(45)

Customers Also Bought



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



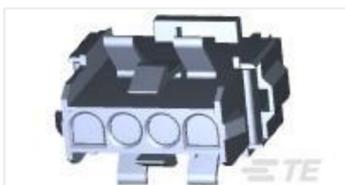
TE Part #770019-1
04P UMNLI IN-LNE PLUG HSG KIT



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



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



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



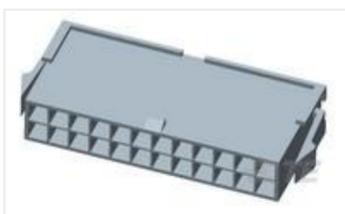
TE Part #770029-1
12P UMNLI IN-LNE CAP HSG KIT



TE Part #1-1423673-1
W51-A122B1-8=CKTBKR,THERM, ROCK



TE Part #3-1630027-4
HSC300 R10 5%



TE Part #1-1969599-0
10P PM PLUG VAL-U-LOK V2



TE Part #6609046-9
15ET1=F7335 S0

Documents



Product Drawings

06P UMNLI IN-LNE 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.

Datasheets & Catalog Pages

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

VDE Certificate

English

VDE Certificate

English