770028-1 ✓ ACTIVE

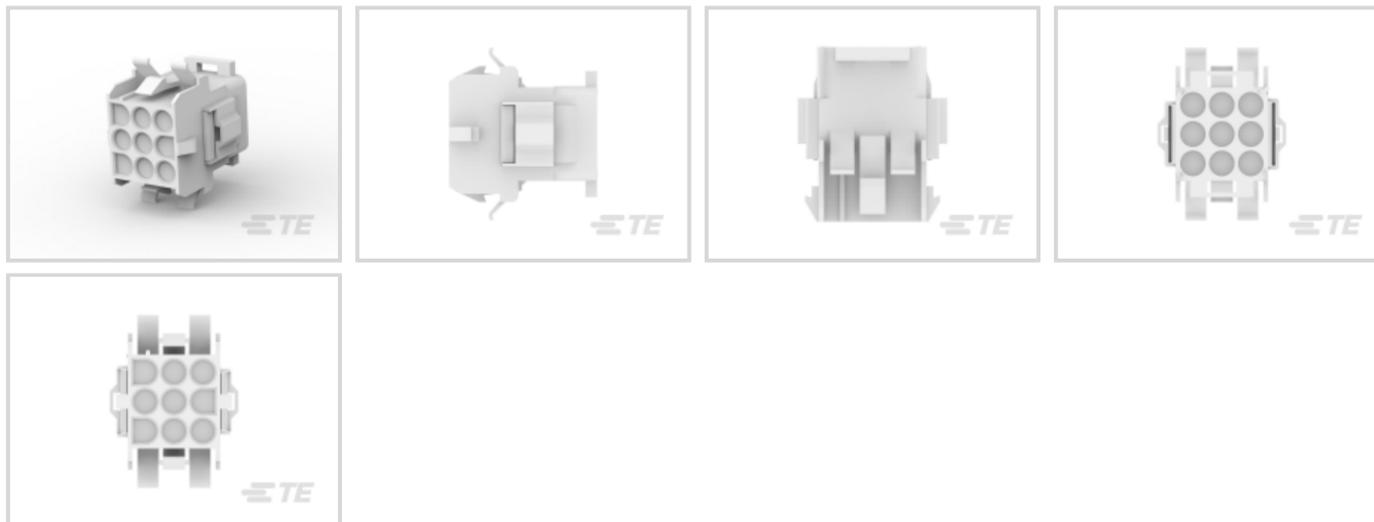## MATE-N-LOK | Universal MATE-N-LOK, Universal MATE-N-LOK II

TE Internal #: 770028-1

9 Position, Cap, Housing, Crimp, Wire-to-Panel / Wire-to-Wire, UL 94V-0, 6.35 mm [.25 in] Centerline, 3 Row, 600 VAC, Universal MATE-N-LOK

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors

Connector Product Type: **Housing**

Connector & Housing Type: **Cap**

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

Connector System: **Wire-to-Panel, Wire-to-Wire**

Contact Retention Within Housing: **Without**

Features

Product Type Features

Assembly Requirement	Unassembled Kit
Connector Product Type	Housing
Connector & Housing Type	Cap
Connector System	Wire-to-Panel, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	9
Number of Rows	3

Electrical Characteristics

Operating Voltage	600 VAC

Body Features

Primary Product Color	White

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25 in] Centerline, 3 Row, 600 VAC, Universal MATE-N-LOK

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

Panel Mount Feature	With
Panel Mount Feature Type	Latches
Connector Mounting Type	Panel Mount

Housing Features

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

Dimensions

Panel Thickness (Recommended)	.76 – 2.29 mm[.03 – .09 in]
Connector Width	20.32 mm
Connector Length	21.46 mm
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

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

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9 Position, Cap, Housing, Crimp, Wire-to-Panel / Wire-to-Wire, UL 94V-0, 6.35 mm [.
25 in] Centerline, 3 Row, 600 VAC, Universal MATE-N-LOK

Packaging Method	Package

Product Compliance

For compliance documentation, visit the product page on TE.com>

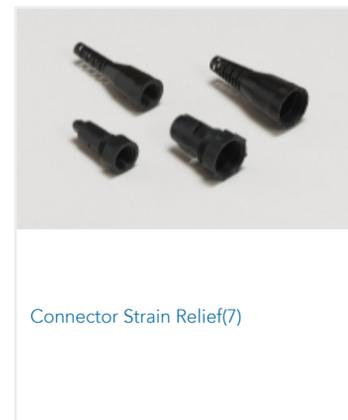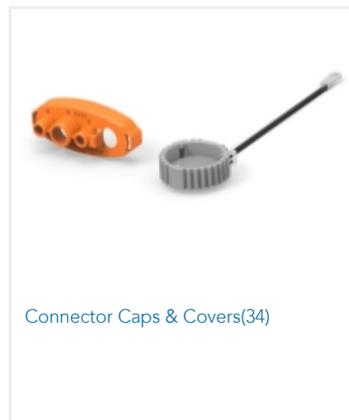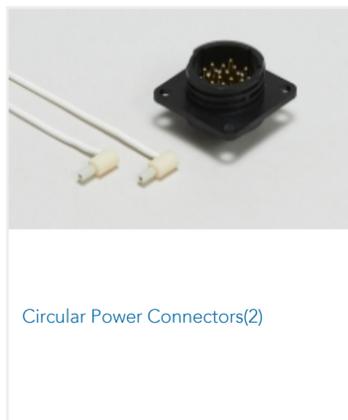| EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 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

TE Part # 1-770009-0	TE Part # 2029314-1	TE Part # 350720-1	TE Part # 770012-6
UMNL II PIN AUSN/NI/BR	09P UMNL PLUG HSG 150C-RED	09P UMNL PLUG HSG	UMNL II SOK SELECT AU/PHBZ

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TE Part # 1586844-1
09P UMNL PLUG HSG NATL, GW

TE Part # 193842-1
SKT ASSY., 2MM, 12-14 AWG

TE Part # 1-770003-0
UMNL II PIN DUPLX AUSN/NI/PHBZ

TE Part # 1-770247-0
UMNL II SOK SN/AUNI/PHBZ LP

TE Part # 1-770249-0
UMNL II SOK SN/AUNI/PHBZ LP

TE Part # 193796-1
PIN CONTACT - 2MM,10AWG

TE Part # 770194-1
UMNL II GROUND PIN 14-20 AWG

TE Part # 770249-3
UMNL II SOK PTPPHBZ LP 12-14

TE Part # 770010-3
UMNL II SOK PTPPHBZ

TE Part # 770006-3
UMNL II SOK PTPPHBZ

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

TE Part # 770039-1
09P UMNL II PLUG-FRONT 94VO

TE Part # 770416-6
UMNL II SOK AU/PHBZ L/P

TE Part # 770009-1
UMNL II PIN PTPBR

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

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

Also in the Series | Universal MATE-N-LOK

Circular Power Connectors(2)

Connector Caps & Covers(34)

Connector Seals & Cavity Plugs(27)

Connector Strain Relief(7)

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9 Position, Cap, Housing, Crimp, Wire-to-Panel / Wire-to-Wire, UL 94V-0, 6.35 mm [.25 in] Centerline, 3 Row, 600 VAC, Universal MATE-N-LOK
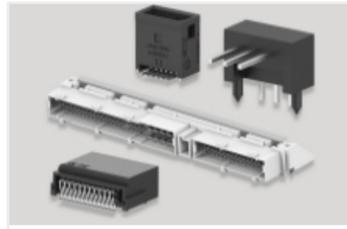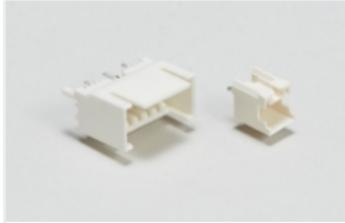
Insertion & Extraction Tools(4)

PCB Headers & Receptacles(285)

Rectangular Power Connectors(45)

Standard Circular Connectors(1)

Wire-to-Board Headers & Receptacles (285)

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

Connector Contacts(42)

Connector Hardware(1)

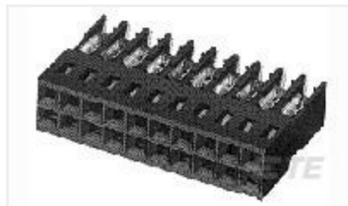Hand Crimping Tools(3)

Power Contacts(42)

Rectangular Connector Housings(45)

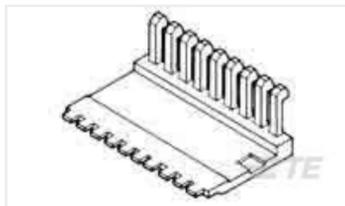Rectangular Power Connectors(45)
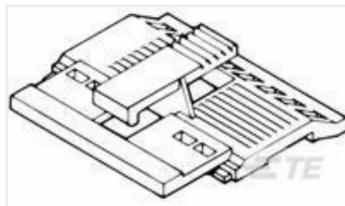
Standard Rectangular Connectors(45)

Customers Also Bought

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9 Position, Cap, Housing, Crimp, Wire-to-Panel / Wire-to-Wire, UL 94V-0, 6.35 mm [.25 in] Centerline, 3 Row, 600 VAC, Universal MATE-N-LOK

TE Part #5-102398-7
18 AMPMODU MT ASSY DR .100CL

TE Part #102536-7
18 AMPMODU MT COVER DR .100CL

TE Part #102681-4
18 AMPMODU MT COVER DR .100CL

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

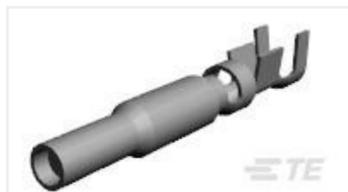TE Part #770023-1
15P UMNLII IN-LNE PLUG HSG KIT

TE Part #770027-1
06P UMNLII IN-LINE CAP HSG KIT

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

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

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

TE Part #1903977-1
SLIM UPM 4POS. R/A HDR ASSEMBL

Documents

Product Drawings
09P UMNLII IN-LINE CAP HSG KIT

English

CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_770028-1_F.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_770028-1_F.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_770028-1_F.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

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9 Position, Cap, Housing, Crimp, Wire-to-Panel / Wire-to-Wire, UL 94V-0, 6.35 mm [.
25 in] Centerline, 3 Row, 600 VAC, Universal MATE-N-LOK

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