

770047-1 ✓ ACTIVE

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

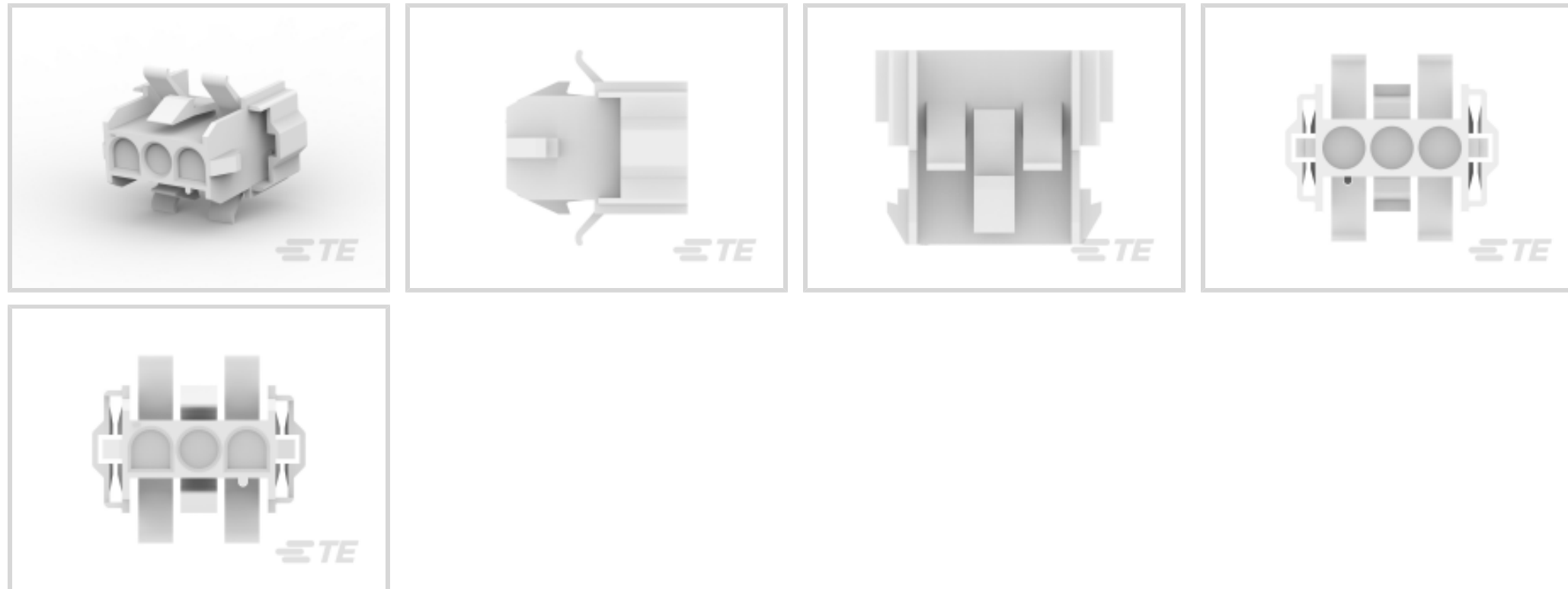
TE Internal #: 770047-1

Universal MATE-N-LOK, Rectangular Power Connectors, Housing, Receptacle, Wire-to-Panel / Wire-to-Wire, 3 Position, 6.35mm [.25in] Centerline

[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: **3**

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

Features

Product Type Features

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	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Contact Layout	Inline
Multiple Contact Types	Without
Contact Retention Within Housing	Without



Contact Type	Pin
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Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

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

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

Panel Thickness	.76 – 2.29 mm [.76 – 2.29 in]
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	.905 in
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Usage Conditions

Operating Temperature Range	-55 – 120 °C [-67 – 248 °F]
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Operation/Application

Assembly Integration Feature	Without
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Circuit Application	Power & Signal
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Industry Standards

CSA Rating	Certified
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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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Agency/Standard Number	E28476
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Agency/Standard	CSA, UL
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UL Rating	Recognized
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CSA File Number	LR7189
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VDE Tested	Yes
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Packaging Features

Packaging Method	Package
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Packaging Quantity	1
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Other

For Use With

Standard Universal MATE-N-LOK Connectors

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

Not Yet Reviewed

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: JUN 2020 (209)
Candidate List Declared Against: JAN 2019 (197)
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts




TE Model / Part # 1241809-2
UMNL ST-SOCK,A-P 3P



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



TE Model / Part # 794901-1
03P UMNL HI TEMP PLUG HSG



TE Model / Part # 1586847-1
03P UMNL PLUG HSG, GW



TE Model / Part # 1586892-1
03P UMNL HDR ASSY R/A, GW



TE Model / Part # 2178473-3
3POS UMNL PLUG HSG GW



TE Model / Part # 1586377-1
03P UMNL PLUG HSG NATL



TE Model / Part # 1586893-1
03P UMNL HDR ASSY R/A, GW



TE Model / Part # 643251-1
03P UMNL ASSY MOD HSG VO




TE Model / Part # 770048-1
03P UMNL II CAP REAR 94VO




TE Model / Part # 969326-1
UMNL BU-GEH 3P


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



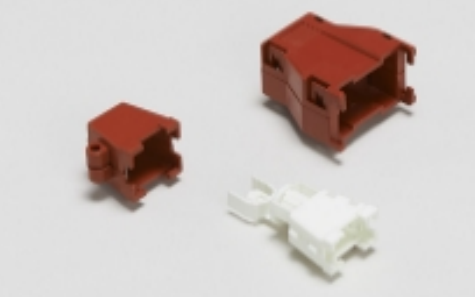
Circular Power Connectors(2)



Connector Contacts(11)




Power Contacts(207)




Rectangular Boots & Strain Relief(35)




Rectangular Connector Adapters(7)



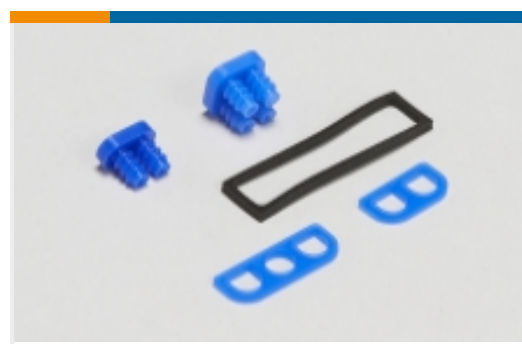
Rectangular Connector Housings(3)



Rectangular Connector Keying Plugs(3)



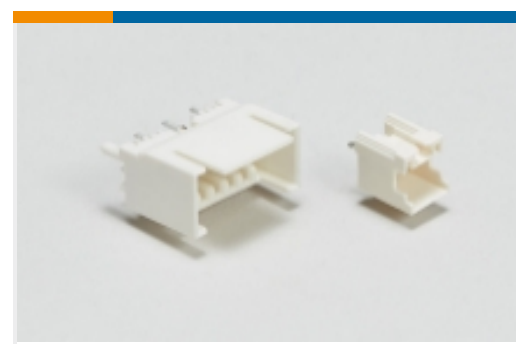
Rectangular Connector Locking(4)



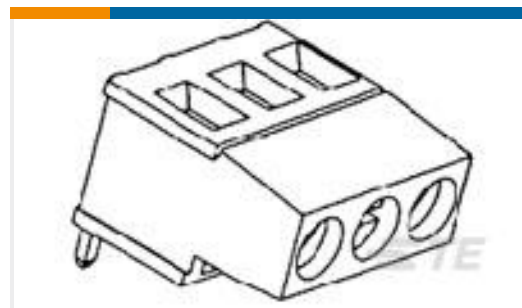
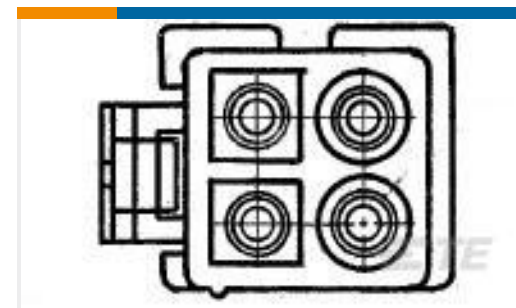
Rectangular Connector Seals(26)



Rectangular Power Connectors(716)

Wire-to-Board Headers & Receptacles
(3)

Customers Also Bought

TE Model / Part #282854-3
TERMI-BLOK PCB MOUNT 180 3P.TE Model / Part #1877384-7
Circular Quad Plug sz9 1Q1 NTE Model / Part #770049-1
04P UMNL II CAP-FRONT 94VOTE Model / Part #173937-1
MINI-UNI MNL PLUG HSG 4PTE Model / Part #770048-1
03P UMNL II CAP REAR 94VOTE Model / Part #8-55861-3
12-10 PRE-INSUL SEALED TERM RTE Model / Part #CR0181-000
CWT-11-W116-9

Documents

Product Drawings

03P UMNL II CAP-FRONT 94VO

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_770047-1_AF.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_770047-1_AF.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_770047-1_AF.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

Agency Approvals

[UL Report](#)

English