770041-1 ✔ ACTIVE

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

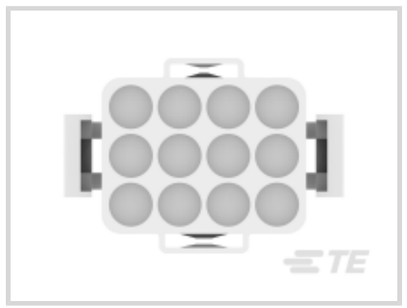
TE Internal #: 770041-1

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 12 Position, 6.35 mm [.25 in] Centerline, Wire & Cable, UL 94V-0, Universal MATE-N-LOK

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: **12**

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	12
Number of Rows	3

Electrical Characteristics

Operating Voltage	600 VAC

Contact Features

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

Contact Type	Socket

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

	1.05 in
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

CSA Rating	Certified, LR 7189
UL Rating	Recognized
Compatible With Agency/Standards Products	CSA, UL, VDE
Compatible With Approved Standards Products	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>

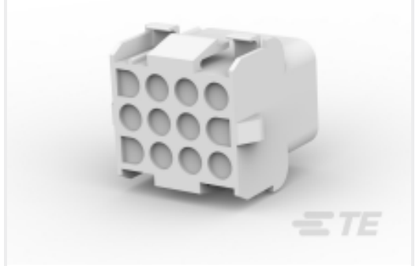
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant

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: JUNE 2023 (235) 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

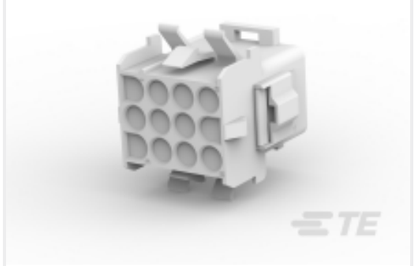
Product Compliance Disclaimer

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 # 926681-3
12P UNIV.CAP HSG.



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



TE Part # 926681-1
UNIV.M-N-L.CAP HSG.



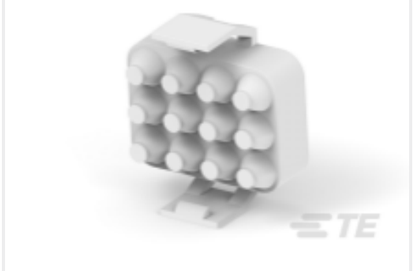
TE Part # 770042-1
12P UMNL II PLUG REAR 94VO



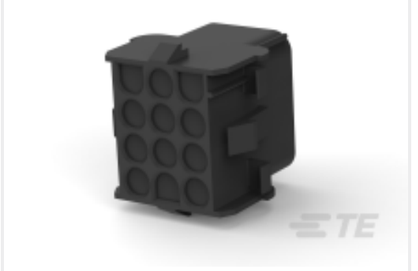
TE Part # 1586854-1
12P UMNL CAP HSG, GW



TE Part # 1863006-1
12P UMNL CAP HSG



TE Part # 643255-1
12P UMNL ASSY MOD HSG VO



TE Part # 794727-1
12P UMNL CAP HSG NATL,BLACK



TE Part # 2178620-1
UMNL 12 WAY CAP HOUSING



TE Part # 2178621-1
UMNL 12 WAY CAP HOUSING

Also in the Series | Universal MATE-N-LOK



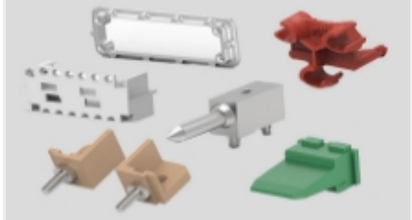
Circular Power Connectors(2)



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)

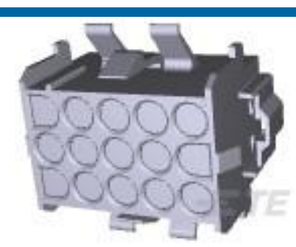


Rectangular Power Connectors(672)

Customers Also Bought



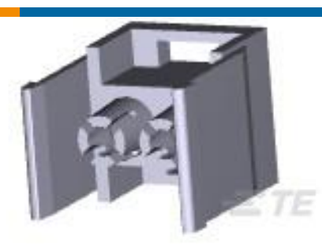
TE Part #640717-1
12P UMNL STR/REL



TE Part #770057-1
15P UMNL II CAP-FRONT 94VO



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



TE Part #770046-1
02P UMNL II CAP REAR 94VO



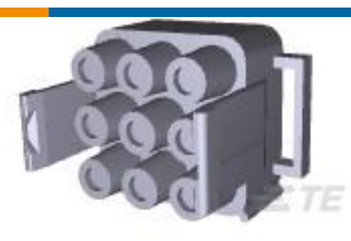
TE Part #770005-1
UMNL II PIN PTPBR



TE Part #770248-1
UMNL II PIN PTPBR LP 20-14AWG



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



TE Part #770040-1
09P UMNL II PLUG REAR 94VO



TE Part #770038-1
06P UMNL II PLUG REAR 94VO



TE Part #770037-1
06P UMNL II PLUG-FRONT 94VO

Documents

Product Drawings

12P UMNL II PLUG-FRONT 94VO

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_770041-1_W.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_770041-1_W.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_770041-1_W.3d_stp.zip

English

3D PDF

English

Customer View Model

ENG_CVM_770041-1_G.3d_igs.zip

English

Customer View Model

ENG_CVM_770041-1_G.3d_stp.zip

English

Customer View Model

ENG_CVM_770041-1_G.2d_dxf.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