1586854-1 ✔ ACTIVE

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

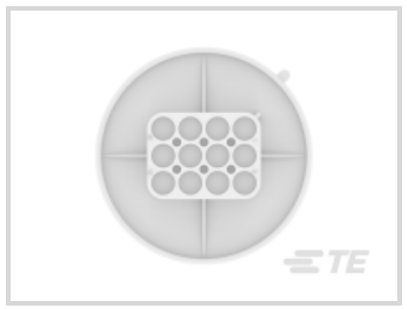
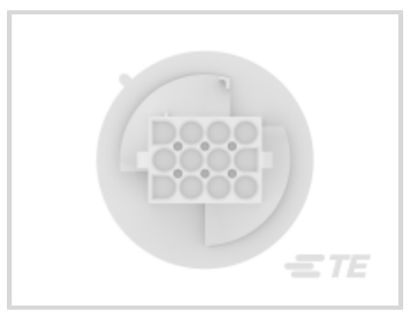
TE Internal #: 1586854-1

Universal MATE-N-LOK, Rectangular Power Connectors, Housing, Receptacle, Wire-to-Panel / Wire-to-Wire, 12 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: **12**

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	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	Pin

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Panel Mount Feature	With
Panel Mount Feature Type	Twist & Lock Flange
Connector Mounting Type	Panel Mount

Housing Features

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

Dimensions

Row-to-Row Spacing	6.35 mm[.25 in]
Panel Thickness	.76 – 2.29 mm[.03 – .09 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Assembly Integration Feature	Without
Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-2
Glow Wire Rating	GWT 750°C (Without Flame)
UL Rating	Recognized
Agency/Standard Number	E28476
VDE Tested	Yes
Agency/Standard	UL

Packaging Features

Packaging Method	Package
Packaging Quantity	1

Other

For Use With	Appropriate Universal MATE-N-LOK Plug

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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # 350737-4
12P UMNL PIN HDR ASSY 94VO LF



TE Part # 770041-1
12P UMNL II PLUG-FRONT 94VO



TE Part # 350433-4
12P UMNL PIN HDR ASSY NATL LF



TE Part # 350737-1
12P UMNL PIN HDR ASSY 94VO



TE Part # 350587-1
12P UMNL PIN HDR ASSY V2 NATL



TE Part # 1-480708-9
12P UMNL PLUG HSG BLK



TE Part # 350735-1
12P UMNL PLUG HSG



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



TE Part # 641974-3
12P UMNL PIN HDR ASSY 94VO LF



TE Part # 1-480708-2
12P UMNL PLUG HSG RED



TE Part # 641973-1
12P UMNL PIN HDR ASSY V2 NATL



TE Part # 350829-1
12P UMNL HDR ASSY PC 94VO



TE Part # 1-1863005-2
UMNL 12 WAY PLUG HOUSING



TE Part # 350713-4
12P UMNL PIN HDR ASSY 94VO LF



TE Part # 350735-4
12P UMNL PLUG HSG UL94VO



TE Part # 350764-4
12P UMNL HDR ASSY PC



TE Part # 2-480708-0
12P UMNL PLUG HSG NATL



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



TE Part # 643428-1
12P UMNL HDR ASSY POL 94VO



TE Part # 1-480705-0
06P UMNL CAP HSG NATL

Also in the Series | Universal MATE-N-LOK



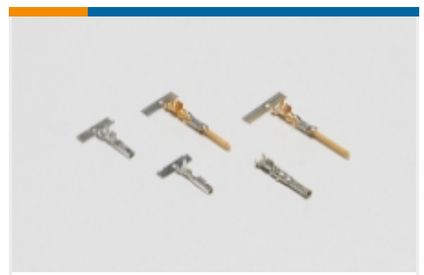
Circular Power Connectors(2)



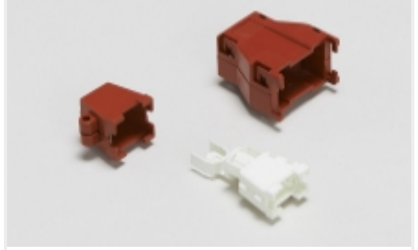
Connector Contacts(11)



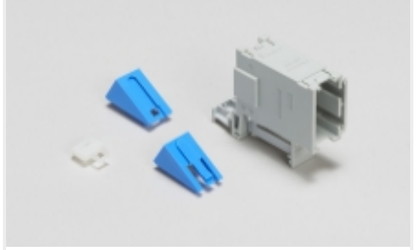
Insertion & Extraction Tools(4)



Power Contacts(207)



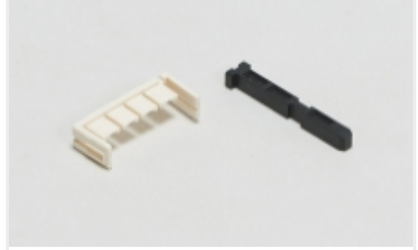
Rectangular Boots & Strain Relief(35)



Rectangular Connector Adapters(7)



Rectangular Connector Housings(2)



Rectangular Connector Keying Plugs(3)



Rectangular Connector Locking(4)



Rectangular Connector Seals(26)



Rectangular Power Connectors(725)

Customers Also Bought



TE Part #2178474-2
3POS UMNL CAP HSG V0 GW



TE Part #2-320855-1
TERMINAL,SOLIS SPD FLG 16-14 6



TE Part #CA1277-000
Dual Wall DWP-125 Spool HS Tubing



TE Part #2178473-2
3POS UMNL PLUG HSG V0 GW



TE Part #1586843-1
01P UMNL CAP HSG NATL, GW



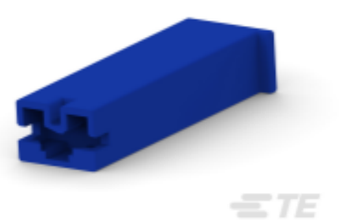
TE Part #1633789-1
ANVIL (HINGEBAR)



TE Part #2029388-1
04P UMNL SHORT LATCH PLUG GW



TE Part #3-173974-1
PL MKII 187 REC HSG 1P NYLON GWT NAT



TE Part #3-173974-6
PL MKII 187 REC HSG 1P NYLON GWT BLU



TE Part #3-1123722-4
3.96 EP PLUG HSG 4P(BLUE)

Documents

Product Drawings

12P UMNL CAP HSG, GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1586854-1_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1586854-1_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1586854-1_D.3d_stp.zip

English

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

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

UL Report

English