1586847-1 ✔ ACTIVE

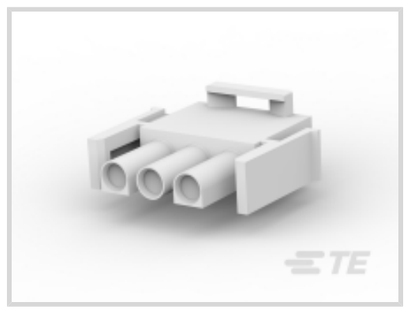
MATE-N-LOK | Universal MATE-N-LOK

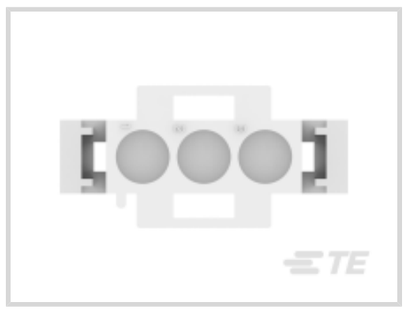
TE Internal #: 1586847-1

Universal MATE-N-LOK, Rectangular Power Connectors, Housing, Plug, Wire-to-Board / Wire-to-Wire, 3 Position, 6.35mm [.25in] Centerline, Wire & Cable

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-Board, 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	Plug
Connector System	Wire-to-Board, 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

Contact Features

Multiple Contact Types	Without
Contact Layout	Inline
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

Usage Conditions

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

Operation/Application

Assembly Integration Feature	Without
Circuit Application	Power & Signal

Industry Standards

CSA Rating	Certified
UL Flammability Rating	UL 94V-2
Glow Wire Rating	GWT 750°C (Without Flame)
UL Rating	Recognized
Agency/Standard Number	E28476
CSA File Number	LR7189
VDE Tested	Yes
Agency/Standard	CSA, UL

Packaging Features

Packaging Method	Package
Packaging Quantity	1

Other

For Use With	Appropriate Universal MATE-N-LOK Cap or Header

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 # 1-480701-4
03P UMNL CAP HSG YELL



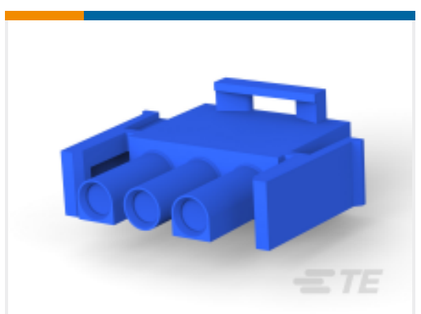
TE Part # 640585-1
06P UMNL PLUG HSG V2 NATL



TE Part # 1-350767-9
03P UMNL V0 CAP HSG BLACK



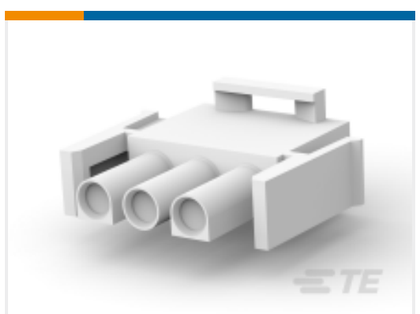
TE Part # 1-480701-2
03P UMNL CAP HSG RED



TE Part # 1-480700-6
03P UMNL PLUG HSG BLU



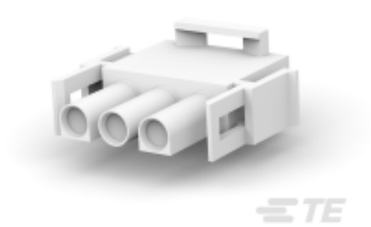
TE Part # 770025-1
03P UMNLII IN-LINE CAP HSG KIT



TE Part # 2-480700-0
03P UMNL PLUG HSG



TE Part # 1586852-1
04P UMNL PLUG HSG, GW



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



TE Part # 794899-1
04P UMNL HI TEMP PLUG HSG



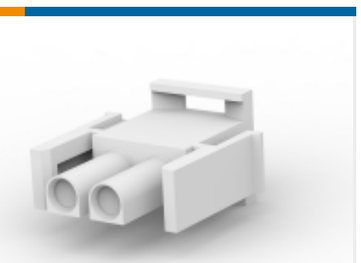
TE Part # 794814-1
02P UMNL PLUG HSG,HI TEMP



TE Part # 794900-1
03P UMNL HI TEMP CAP HSG



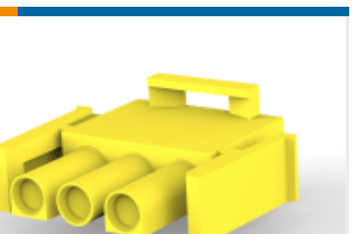
TE Part # 2178474-2
3POS UMNL CAP HSG V0 GW



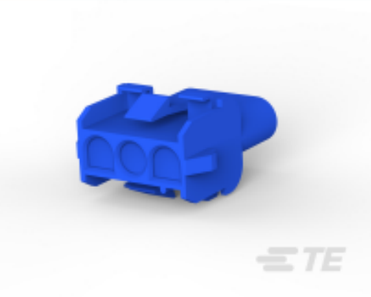
TE Part # 1586851-1
02P UMNL PLUG HSG, GW



TE Part # 1-480701-9
03P UMNL CAP HSG BLK



TE Part # 1-480700-4
03P UMNL PLUG HSG YELL



TE Part # 1-480701-6
03P UMNL CAP HSG BLU



TE Part # 1586702-1
02P UMNL PLUG HSG NATL LEAD IN



TE Part # 2-480701-0
03P UMNL CAP HSG NATL



TE Part # 1-480701-8
03P UMNL CAP HSG GRY

Also in the Series | Universal MATE-N-LOK



Circular Power Connectors(2)



Connector Contacts(11)



Insertion & Extraction Tools(4)



Power Contacts(207)



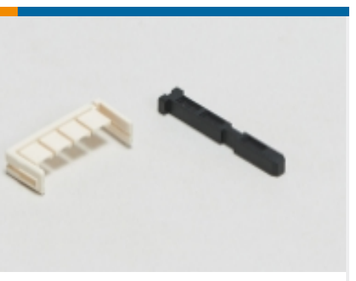
Rectangular Boots & Strain Relief(35)



Rectangular Connector Adapters(7)



Rectangular Connector Housings(2)



Rectangular Connector Keying Plugs(3)



Rectangular Connector Locking(4)

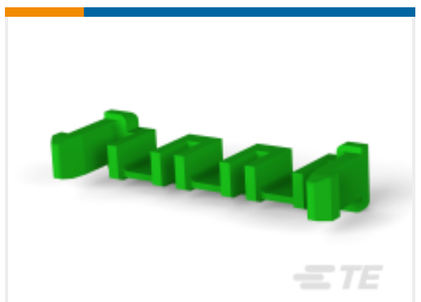


Rectangular Connector Seals(26)

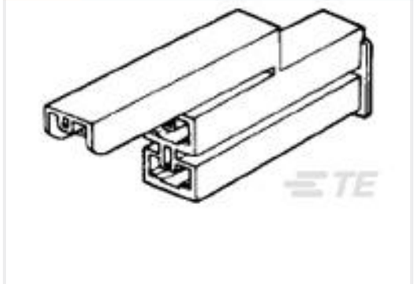


Rectangular Power Connectors(725)

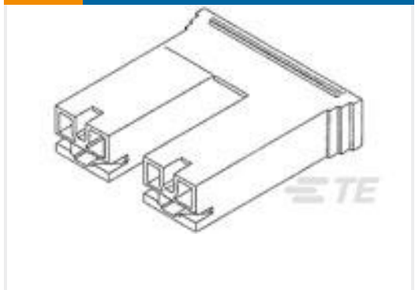
Customers Also Bought



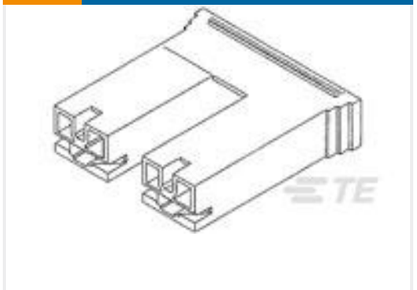
TE Part #1376394-1
Power Key TPA



TE Part #1-172075-1
3 POS PL 187(4.8 MM) HOUSING NATURAL



TE Part #1-520935-2
PL 250 HOUSING REC RED 6/6 NYLON V2



TE Part #1-520935-5
PL 250 HOUSING REC BLUE 6/6 NYLON V2



TE Part #1586851-1
02P UMNL PLUG HSG, GW



TE Part #1-2232263-1
PTL 1X2 CAP PANEL MT HOT WIRE KEY A BLK

TE Part #794992-1
03P UMNL BLACK INTERFACE SEAL



TE Part #1247003-2
MAGMATE "300 SERIES" W/H MULTISPRING PIN



TE Part #1534072-4
MULTIF.ASSY MK2 4POS, AR

TE Part #1320833-1
DRIVERBOARD ASSY

Documents

Product Drawings

03P UMNL PLUG HSG, GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_1586847-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_1586847-1_A.3d_stp.zip

English

Customer View Model

ENG_CVM_1586847-1_A.2d_dxf.zip

English

3D PDF

English

Customer View Model

ENG_CVM_CVM_1586847-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1586847-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1586847-1_B.3d_stp.zip

English

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TE Material Declaration

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Agency Approvals

VDE Certificate

English