1863006-1 ✔ ACTIVE

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

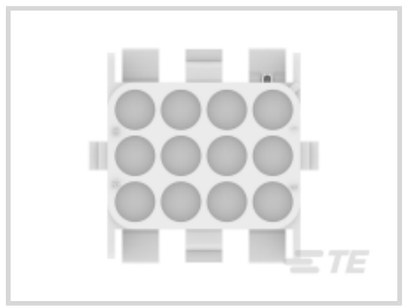
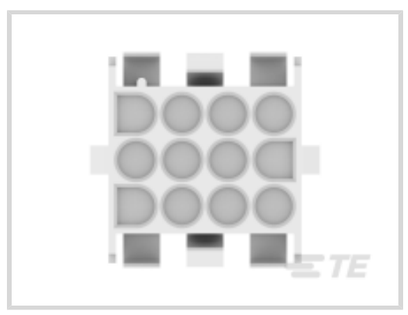
TE Internal #: 1863006-1

12 Position, Cap, Housing, Crimp, Wire-to-Wire, UL 94V-2, 6.35 mm [.25 in] Centerline, 3 Row, 600 VAC, Wire & Cable, 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-Wire**

Contact Retention Within Housing: **Without**

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Cap
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

Body Features

Primary Product Color	Natural

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	Patch & Tabs
Connector Mounting Type	Panel Mount

Housing Features

Centerline (Pitch)	6.35 mm[.25 in]
Housing Material	PA 6

Dimensions

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

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °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-2
Glow Wire Rating	GWT 750°C (Without Flame)

Packaging Features

Packaging Quantity	900
Packaging Method	Package

Product Compliance

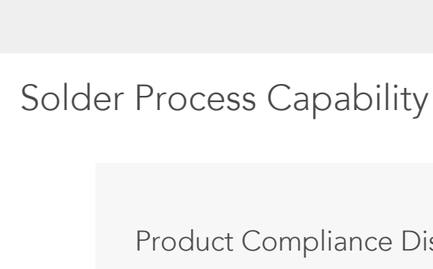
For compliance documentation, visit the product page on TE.com>

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

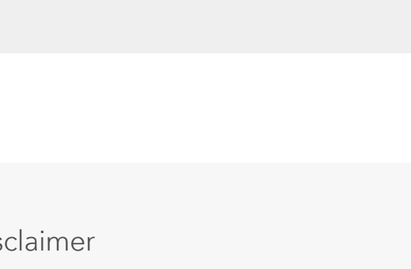
Product Compliance Disclaimer

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

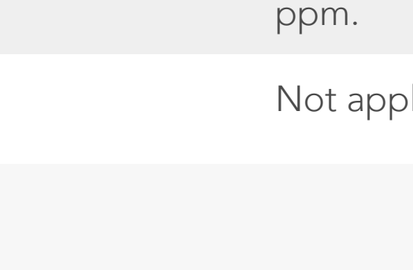
Compatible Parts



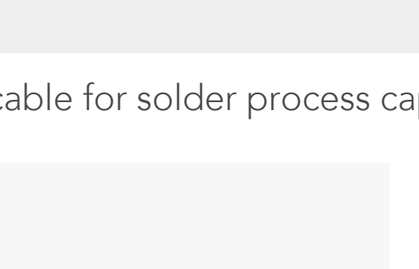
TE Part # 1-480707-1
09P UMNL CAP HSG BRN



TE Part # 1-480709-0
12P UMNL CAP HSG NATL



TE Part # 1-641974-1
12P UMNL PIN HDR ASSY BLK



TE Part # 1-480708-4
12P UMNL PLUG HSG YELL



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



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



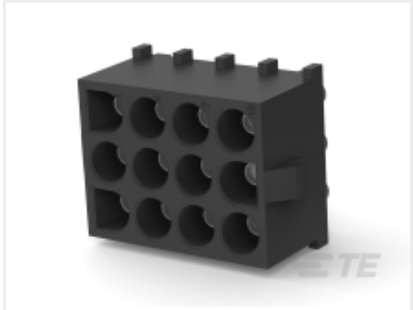
TE Part # 350433-1
12P UMNL PIN HDR ASSY NATL



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



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



TE Part # 643428-2
12P UMNL HDR ASSY POL



TE Part # 794742-1
12P UMNL PLUG HSG NATL



TE Part # 927231-3
HONHUS UMNL V0 9-P



TE Part # 1-480711-0
15P UMNL CAP HSG NATL



TE Part # 1586176-1
12P UMNL PIN HDR 94VO NDH



TE Part # 1-350735-1
12P UMNL V0 PLUG HSG BROWN



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



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



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

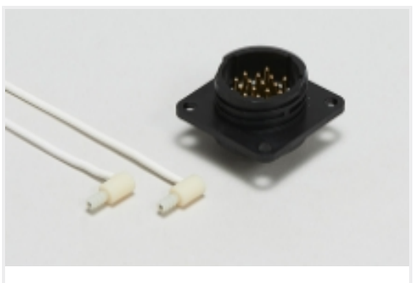


TE Part # 770022-1
12P UMNLII IN-LNE PLUG HSG KIT



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

Also in the Series | Universal MATE-N-LOK



Circular Power Connectors(2)



Connector Caps & Covers(34)



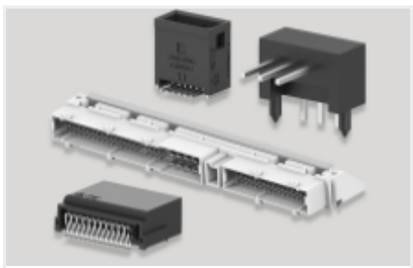
Connector Seals & Cavity Plugs(27)



Connector Strain Relief(7)



Insertion & Extraction Tools(4)



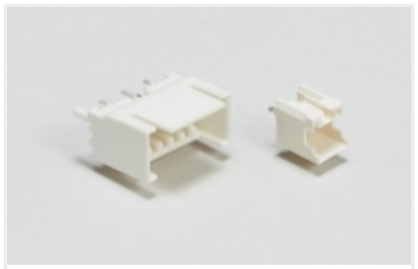
PCB Headers & Receptacles(285)



Rectangular Power Connectors(642)

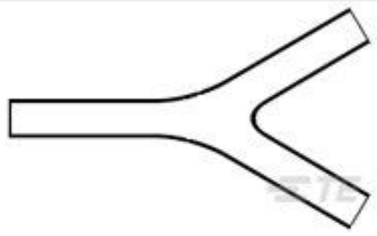


Standard Circular Connectors(1)



Wire-to-Board Headers & Receptacles (285)

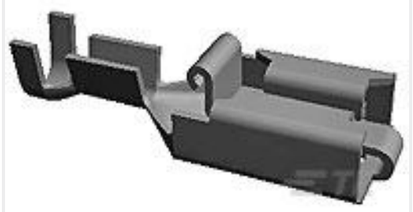
Customers Also Bought



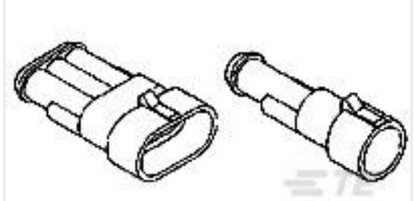
TE Part #820182-000
381A301-71-0



TE Part #OTX-433-HH-KF5-MS
Remote MS 433MHz OOK AM 5Btn KF TX EU



TE Part #160773-3
PL LP RECEPTACLE 0.5-1.5 MM2 TPBR



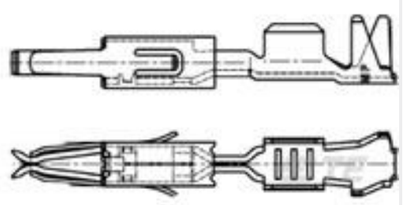
TE Part #282106-1
AMP SUPERSEAL 1.5 SERIES 4P CA



TE Part #926901-1
UMNL Socket 16-13 AWG



TE Part #927777-1
JUNIOR POWER TIMER CONTACT



TE Part #1241858-2
MT3 REC 1.6 Contact SWS Sn



TE Part #1-1437284-0
MERTEC FTERM AU 13002630102



TE Part #1-1703543-0
2POS,TAB 2.8X0.8,TAB HSG,ASSY



TE Part #1745000-4
8POS MQS REC

Documents

CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_1863006-1_A_c-1863006-1-a.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_1863006-1_A_c-1863006-1-a.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1863006-1_A_c-1863006-1-a.3d_stp.zip

English

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Product Specifications

Application Specification

German

Agency Approvals

VDE Certificate

English

VDE Certificate

English