770904-1 ✔ ACTIVE

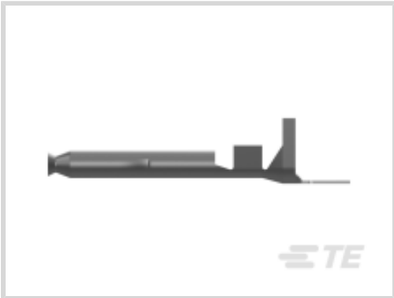
MATE-N-LOK | Mini-Universal MATE-N-LOK

TE Internal #: 770904-1

Tin (Sn), Socket Contact, 22 – 18 AWG, 600 VAC, 600 VDC, .3 – .9 mm² Wire, Crimp, Brass, Power, -55 – 105 °C [-67 – 221 °F], Mini-Universal MATE-N-LOK

View on TE.com >

Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

Contact Mating Area Plating Material: **Tin (Sn)**

Wire Contact Termination Area Plating Material: **Pre-Tin**

Operating Voltage: **600 VDC**

Features

Product Type Features

Discrete Wire Type	Stranded

Electrical Characteristics

Operating Voltage	600 VDC

Contact Features

Contact Type	Socket
Contact Mating Area Plating Material	Tin (Sn)
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Retention Within Housing	With
Contact Base Material	Brass
Contact Current Rating (Max)	11.2 A
Mating Pin Diameter	1 mm[.039 in]
Wire Contact Termination Area Plating Thickness	2.54 µm[100 µin]
Wire Contact Termination Area Plating Material Finish	Bright
Contact Orientation	Straight

Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable

Mechanical Attachment

Wire Insulation Support	Without

Dimensions

Wire Size	.3 – .9 mm²
Compatible Insulation Diameter Range	1.5 – 2.39 mm[.059 – .094 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

Compatible With Agency/Standards Products	CSA, UL

Packaging Features

Packaging Quantity	4500
Packaging Method	Reel

Product Compliance

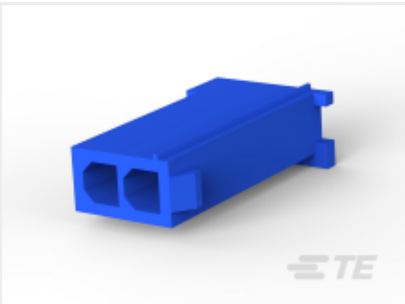
For compliance documentation, visit the product page on TE.com>

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	Low Halogen - Br, Cl, F < 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 # 1-172233-6
2 POS MINI UNIV FREE HANG BLUE

TE Part # 1-172168-2
MINI UNIVERSAL M-N-L PLUG 6P

TE Part # 1-172157-2
2CIR MINI U-M-N-L CAP RED

TE Part # 172340-1
MINI UMNL PLUG HOUSING 9P

TE Part # 172159-1
4 CIR UNIV M-N-L CAP

TE Part # 1445807-1
PLUG,11-9,SM INS,STD KEY

TE Part # 1445829-3
REC,11-5,FRE HNG,LG INS,STD KE

TE Part # 1445827-1
REC,11-7,FRE HNG,SM INS,STD KE

TE Part # 172170-1
12 CIR UNIV M-N-L PLUG

TE Part # 172329-1
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 3P

TE Part # 172337-1
MINI UMNL PLUG HOUSING 3P

TE Part # 172335-1
MINI UMNL PLUG HOUSING 1P

TE Part # 172341-1
MINI UMNL PLUG HOUSING 12P

TE Part # 172336-1
2P MINI UMNL PLUG HOUSING

TE Part # 172233-1
2 POS MINI UMNL CAP HOUSING

TE Part # 1445807-3
PLUG,11-9,LG INS,STD KEY

TE Part # 1445825-3
RECPT,11-9,FREE HNG,STD KEY

TE Part # 1445389-3
REC,8-4,FREE HG,LG INS,STD KEY

TE Part # 1445828-3
REC,11-6,FRE HNG,LG INS,STD KE

TE Part # 1445538-3
REC,8-2,FLNG MT,LG INS,STD KEY

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

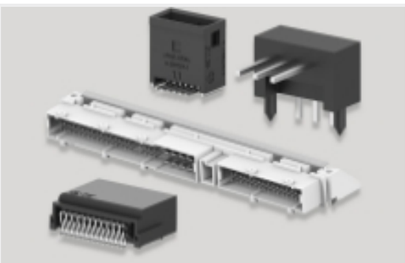
Connector Caps & Covers(2)

Connector Contacts(89)

Connector Seals & Cavity Plugs(17)

Connector Strain Relief(2)

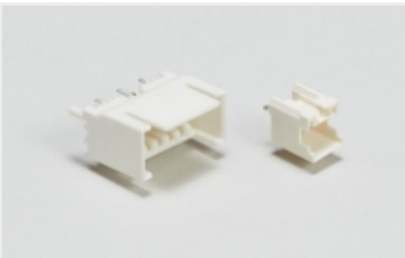
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(93)

Power Contacts(89)

Rectangular Power Connectors(196)



Wire-to-Board Headers & Receptacles (93)

Customers Also Bought

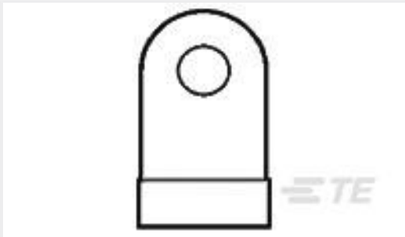
TE Part #VFT69383B11JN-518L
VEHICULAR,MIMO,3 PORTS LTE1, WIFI2,GNSS,B

TE Part #800746-SF
FN2010B-10-06

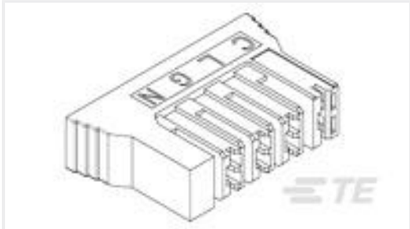
TE Part #160914-2
FF 250 REC 4-6MM2 TPBR

TE Part #172168-1
6 CIR UNIV M-N-L PLUG

TE Part #206306-3
CPC RECPT SEALED SIZE 23-37

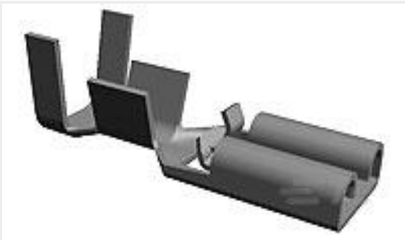


TE Part #321580
TERMINAL,SOLIS FLAG R 1/0 5/16

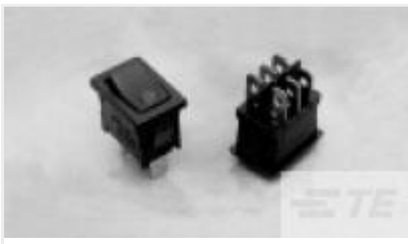


TE Part #521781-1
250 HSG. PL MKIII REC. 6.81mm 4P NAT

TE Part #770583-1
16P MINI UMNL PLUG HSG



TE Part #1217113-2
187 PL MKIII REC. 22-18AWG TPBR



TE Part #1571091-2
PRBSA1-16F-BB0BW=POWER ROCKER

Documents

Product Drawings

MINI UMNL SOK 22-18 AWG SN

English

CAD Files

Customer View Model

ENG_CVM_CVM_770904-1_W.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_770904-1_W.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_770904-1_W.3d_stp.zip

English

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

Datasheets & Catalog Pages

AMP Circular Connectors for Commercial Signal & Power Applications Continued

English

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English