1-770988-1 ✔ ACTIVE

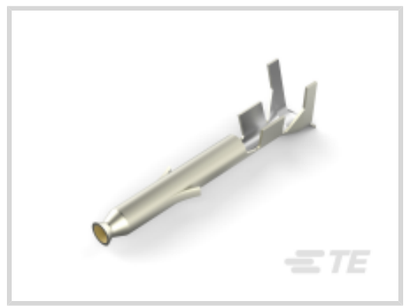
MATE-N-LOK | Mini-Universal MATE-N-LOK

TE Internal #: 1-770988-1

Gold (Au), Socket Contact, 22 – 18 AWG, 600 VAC, 600 VDC, .3 – .9 mm² Wire, Crimp, Phosphor Bronze, Power, Mini-Universal MATE-N-LOK

View on TE.com >

Connectors > Contacts > Connector Contacts







Contact Type: **Socket**

Contact Mating Area Plating Material: **Gold (Au)**

Wire Contact Termination Area Plating Material: **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	Gold (Au)
Wire Contact Termination Area Plating Material	Tin
Contact Retention Within Housing	With
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	11.2 A
Mating Pin Diameter	1 mm[.039 in]
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Wire Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Wire Contact Termination Area Plating Material Finish	Matte
Contact Orientation	Straight

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]

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	1000
Packaging Method	Bag

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 reviewed 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 # 1-172328-5
2 POS SR MINI UNIV



TE Part # 1445421-1
REC,8-4,FLNG MT,SM INS,STD KEY



TE Part # 1445825-1
RECPT,11-9,FREE HNG,STD KEY



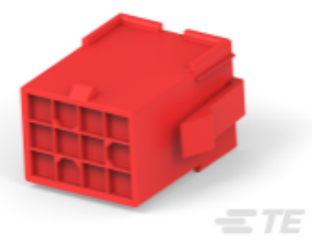
TE Part # 1445820-1
PLUG,11-5,SM INS,STD KEY



TE Part # 1445829-1
REC,11-5,FRE HNG,SM INS,STD KE



TE Part # 1445538-1
REC,8-2,FLNG MT,SM INS,STD KEY



TE Part # 1-172162-2
12 POS TR MINI UNIV



TE Part # 1445534-1
PLUG,8-3,SMALL INS,STD KEY



TE Part # 1445522-1
REC,8-2,FRE HNG,SM INS,STD KEY



TE Part # 1445821-3
REC,11-8,FLNG MT,LG INS,STD KE



TE Part # 455830-1
INSERTION TOOL



TE Part # 1445390-1
PLUG,8-4,SM INS,STD KEY



TE Part # 172342-1
MINI UMNL PLUG HOUSING 15P



TE Part # 1445510-3
REC,8-3,FRE HNG,LG INS,STD KEY



TE Part # 172339-1
MINI UMNL PLUG HOUSING 6P



TE Part # 172330-1
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 4P



TE Part # 172160-1
6 CIR UNIV M-N-L CAP



TE Part # 172156-1
1 CIR UNIV M-N-L CAP



TE Part # 172169-1
9 CIR UNIV M-N-L PLUG



TE Part # 1445822-1
REC,11-7,FLNG MT,SM INS,STD KE

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



Connector Caps & Covers(2)



Connector Contacts(89)



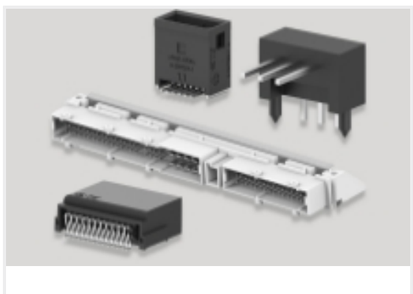
Connector Seals & Cavity Plugs(17)



Connector Strain Relief(2)



Insertion & Extraction Tools(1)



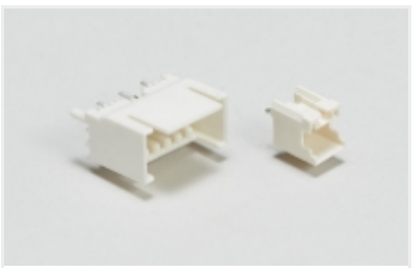
PCB Headers & Receptacles(93)



Power Contacts(89)

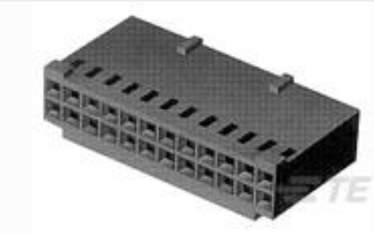


Rectangular Power Connectors(196)

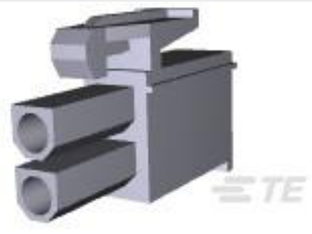


Wire-to-Board Headers & Receptacles (93)

Customers Also Bought



TE Part #87977-8
20 MODIV HSG DR MRKD .100 POL



TE Part #172165-1
2 CIR UNIV M-N-L PLUG NATL



TE Part #172167-1
4 CIR UNIV M-N-L PLUG



TE Part #1-794078-0
22P MINI UMNL HDR W/O DH SN LF



TE Part #1445390-3
PLUG,8-4,LG INS,STD KEY



TE Part #2383938-3
TERMI-BLOK SMD MOUNT 180_3P_5 MM



TE Part #5535651-6
68 MEMCD HDR STD SMT TOP LV, N



TE Part #6450830-2
MBXLE R/A HDR 6LP + 24S + 3P

TE Part #374Z-04909
Speed sen DSD 1810.01 PHW (L=0, 825m



TE Part #103946-5
2X6 MTE SHRD PIN SR POL .100CL

Documents

Product Drawings

MINI UMNL SOK 22-18AWG LP LF

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-770988-1_E.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-770988-1_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-770988-1_E.3d_stp.zip

English

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

Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English