1-770902-1 ✔ ACTIVE

MATE-N-LOK

| Mini-Universal MATE-N-LOK, Mini Circular Plastic Connectors

TE Internal #: 1-770902-1

Gold (Au), Socket Contact, 26 – 22 AWG, 600 VAC, 600 VDC, .12 – .4 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	Bright

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	.12 – .4 mm²
Compatible Insulation Diameter Range	1.19 – 1.75 mm[.047 – .069 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
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	7000
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 # 5-2837923-2
OCEAN-2.0-APPLICATOR-S-048F080F-RSA



TE Part # 5-2837923-1
OCEAN-2.0-APPLICATOR-S-048F080F-RSM



TE Part # 1-172156-2
1 POS SR MINI UNIV



TE Part # 1-172338-4
MINI U-M-N-L PLUG 4P YELLOW



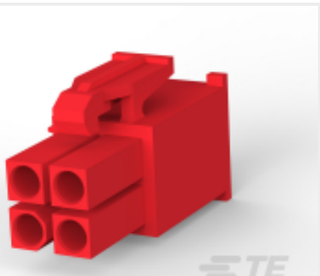
TE Part # 189727-1
EXTRACTION TOOL



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



TE Part # 2837923-2
OCEAN-2.0-APPLICATOR-S-048F080F-RSA



TE Part # 1-172338-2
4CIR MINI-UMNL PLUG RED



TE Part # 1-172167-2
4 POS DR MINI UNIV



TE Part # 1-172233-2
2 POS MINI UNIV FREE HANG RED



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



TE Part # 172334-1
MINI UMNL CAP HOUSING 15P



TE Part # 1445817-1
PLUG,11-8,SM INS,STD KEY



TE Part # 1445819-1
PLUG,11-6,SM INS,STD KEY



TE Part # 1445819-3
PLUG,11-6,LG INS,STD KEY



TE Part # 1445535-1
PLUG,8-2,LG INS,STD KEY



TE Part # 1-172171-9
15 POS TR MINI UNIV



TE Part # 1-172163-9
MINI UNIVERSAL M-N-L CAP 15P



TE Part # 1445818-1
PLUG,11-7,SM INS,STD KEY



TE Part # 1445824-1
REC,11-5,FLNG MT,SM INS,STD KE

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



Connector Caps & Covers(2)



Connector Contacts(20)



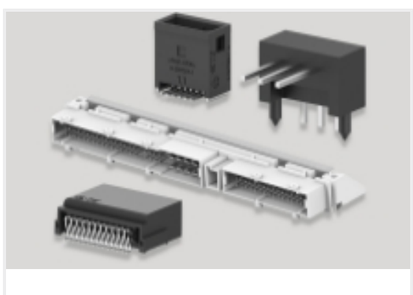
Connector Seals & Cavity Plugs(17)



Connector Strain Relief(2)



Insertion & Extraction Tools(1)



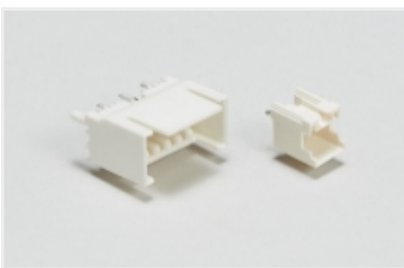
PCB Headers & Receptacles(93)



Power Contacts(20)



Rectangular Power Connectors(196)



Wire-to-Board Headers & Receptacles (93)

Also in the Series | Mini Circular Plastic Connectors



Circular Power Connectors(40)

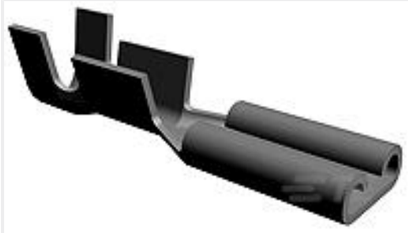


Connector Contacts(20)



Power Contacts(20)

Customers Also Bought



TE Part #61454-1
WRAP TYPE TAB RECEPTACLE 24-20 AWG TPBR



TE Part #66331-8
III+ SKT,24-20,30AU/FL,STRIP



TE Part #170359-3
MINI UNIVERSAL M-N-L PIN



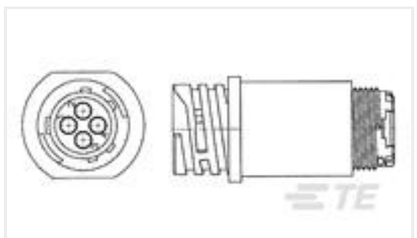
TE Part #1-770872-1
02P MINI UMNL HDR ASSY AU LF



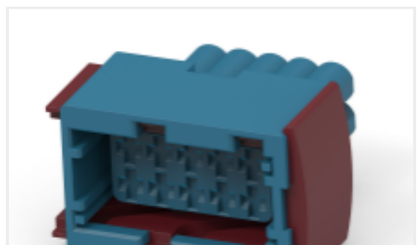
TE Part #1-770873-1
03P MINI UMNL HDR ASSY AU LF



TE Part #770901-3
MINI UMNL PIN 26-22 AWG AU



TE Part #796291-1
SEALED CPC,SER1,23-24,FR RCPT



TE Part #3-963214-1
10P J-P-T GEH KOMPL



TE Part #2-1437667-6
4DB-P108-04=4DB ASSEMBLY

TE Part #2217347-1
LED WORKLIGHT ASSY

Documents

Product Drawings

MINI UMNL SOK 26-22 AWG AU LF

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-770902-1_T.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-770902-1_T.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-770902-1_T.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