



MATE-N-LOK

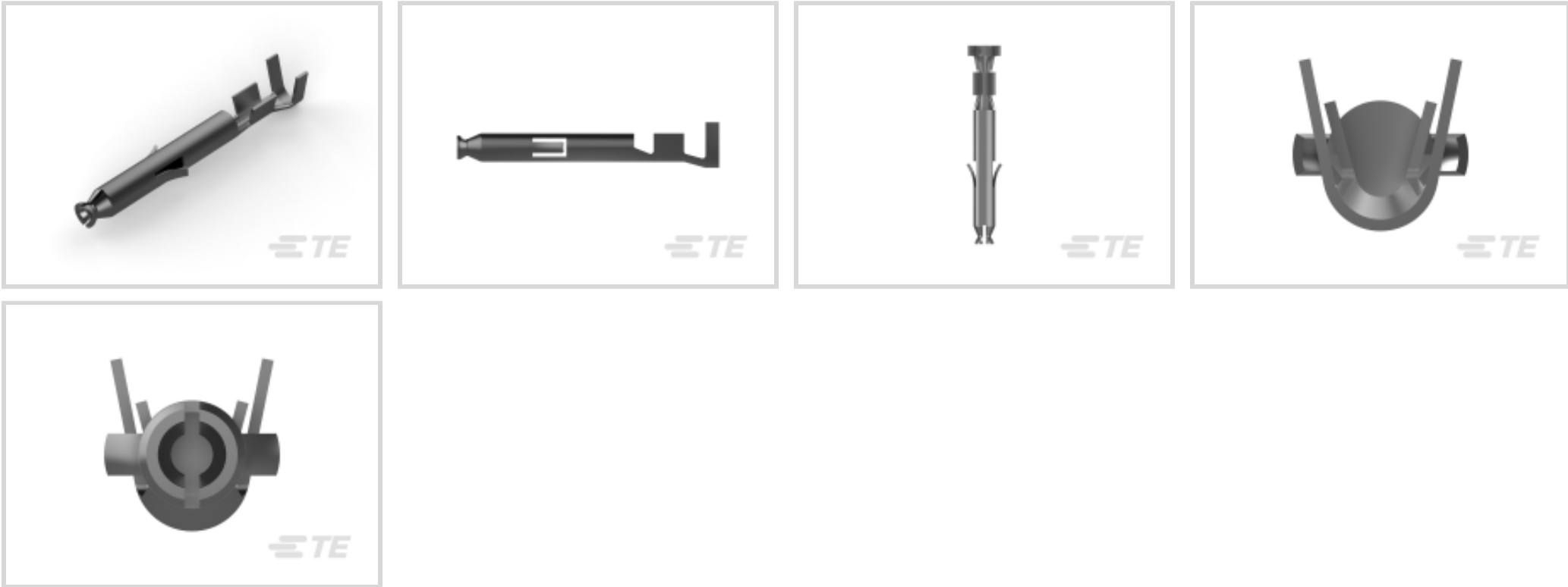
| Mini Circular Plastic Connectors, Mini-Universal MATE-N-LOK

TE Internal #: 770986-1

Tin (Sn), Socket Contact, 26 – 22 AWG, 600 VAC, 600 VDC, .12 – .4 mm² Wire, Crimp, Brass, Power, 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)	9.5 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	.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	1000
Packaging Method	Bag

Product Compliance

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

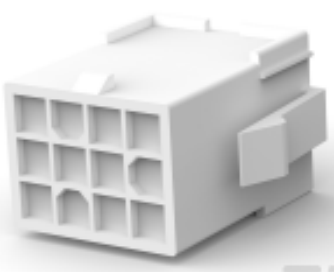
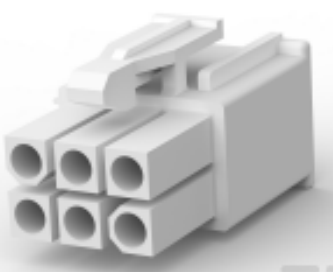
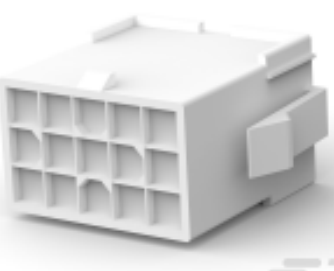
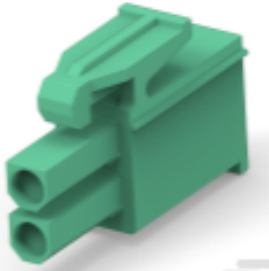
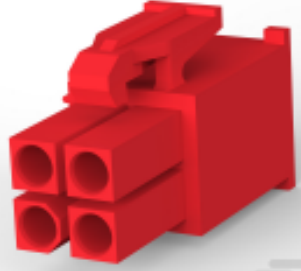
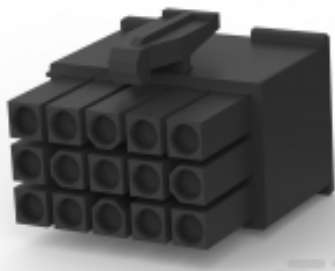
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does 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 applicable for solder process capability

Product Compliance Disclaimer

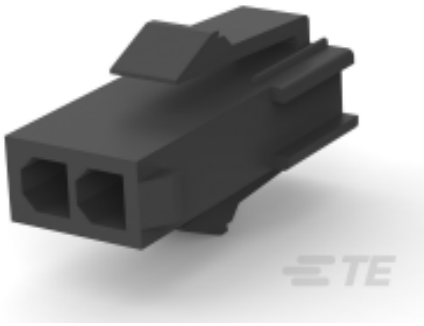


This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1-172338-4 MINI U-M-N-L PLUG 4P YELLOW	 TE Part # 172333-1 MINI UNIVERSAL M-N-L HOUSING	 TE Part # 172168-1 6 CIR UNIV M-N-L PLUG	 TE Part # 1445819-3 PLUG,11-6,LG INS,STD KEY
 TE Part # 1445821-1 REC,11-8,FLNG MT,SM INS,STD KE	 TE Part # 1445824-1 REC,11-5,FLNG MT,SM INS,STD KE	 TE Part # 189727-1 EXTRACTION TOOL	 TE Part # 172164-1 1 CIR UNIV M-N-L PLUG
 TE Part # 172167-1 4 CIR UNIV M-N-L PLUG	 TE Part # 172163-1 15 CIR UNIV M-N-L CAP	 TE Part # 172338-1 MINI UMNL PLUG HOUSING 4P	 TE Part # 172234-1 3P MINI UNIVERSAL MATE-N-LOK CAP HOUSING
 TE Part # 1-172167-9 4 POS SR MINI UNIV	 TE Part # 1-172165-5 2CIR MINI U-M-N-L PLUG GREN	 TE Part # 1-172338-2 4CIR MINI-UMNL PLUG RED	 TE Part # 1-172171-9 15 POS TR MINI UNIV





TE Part # 1-172157-9
2CIR MINI U-M-N-L CAP BLCK



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



TE Part # 1-172166-2
MINI-U-M-N-L 3P PLUG RED



TE Part # 1586404-1
16P MINI UMNL CAP HSG SEALED

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



Connector Caps & Covers(2)



Connector Contacts(20)



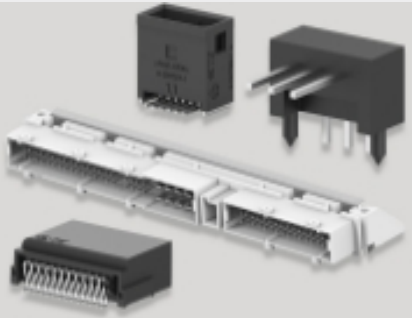
Connector Seals & Cavity Plugs(17)



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)

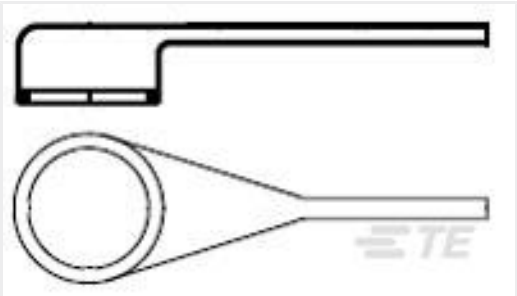


Connector Contacts(20)

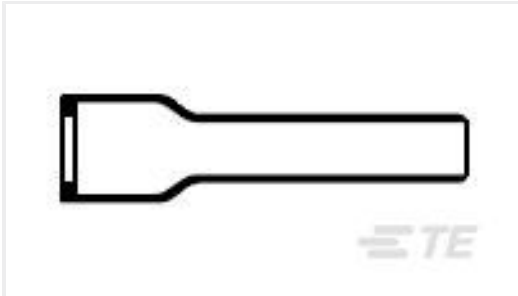


Power Contacts(20)

Customers Also Bought



TE Part #808083-000
222D932-12-0



TE Part #811134-000
202D221-12-0



TE Part #32947
PG R 22-16 COMM 22-18 MIL 6



TE Part #34484
TERMINAL,SOLIS R 14-12 10



TE Part #1-172167-9
4 POS SR MINI UNIV



TE Part #6-1437558-9
MTE106E=(MSTE) SW TOG
WATERPRO



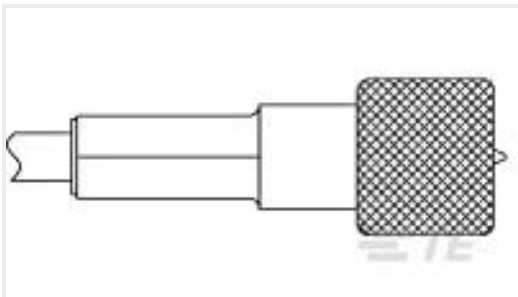
TE Part #1744036-6
06P ECONOMY POWER .200 CL HSG



TE Part #2329383-4
PB OFF/ON FC GRE M1 TERM. IP68



TE Part #2-2329383-2
PB ON/OFF FC RED M1 TERM IP68



TE Part #1466110-1
13201140002

Documents

Product Drawings

MINI UMNL SOK 26-22AWG SN LP

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_770986-1_D.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_770986-1_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_770986-1_D.3d_stp.zip](#)

English

3D PDF

English

Customer View Model

[ENG_CVM_770986-1_H.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_770986-1_H.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_770986-1_H.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