770580-1 ✔ ACTIVE

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

TE Internal #: 770580-1

10 Position, Plug, Housing, Crimp, Wire-to-Wire, UL 94V-0, 4.14 mm [.162 in] Centerline, 2 Row, 600 VAC, Wire & Cable, Mini-Universal MATE-N-LOK

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors

Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

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	Plug
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	10
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VDC

Body Features

Primary Product Color	White

Contact Features

Multiple Contact Types	Without
Contact Retention Within Housing	Without
Contact Type	Socket

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Panel Mount Feature	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	4.14 mm[.162 in]
Housing Material	Nylon

Dimensions

Row-to-Row Spacing	4.14 mm[.162 in]

Usage Conditions

Operating Temperature Range	-20 – 105 °C[-4 – 221 °F]

Operation/Application

Circuit Application	Power & Signal

Industry Standards

Compatible With Agency/Standards Products	CSA, UL
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
CSA Rating	Certified, LR 7189
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	1
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	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 # 1-770858-0
10P MINI UMNL HDR ASSY SNDBL L

TE Part # 1-770902-0
MINI UMNL SOK 26-22 AWG AU

TE Part # 1-770988-1
MINI UMNL SOK 22-18AWG LP LF

TE Part # 1-770834-1
MINI UMNL SOK PHBRZ AU LF

TE Part # 170362-4
MINI UNIVERSAL M-N-L SOCKET

TE Part # 170359-4
UNIV. M-N-L PIN

TE Part # 170365-3
MINI UNIVERSAL M-N-L SOCKET LP

TE Part # 171638-1
MINI U-M-N-L PIN CONT. L.P

TE Part # 170363-4
MINI UNIVERSAL M-N-L PIN LP

TE Part # 170361-1
UNIV M-N-L SOC. 26-22 AWG

TE Part # 170363-3
MINI UNIVERSAL M-N-L PIN LP

TE Part # 794059-1
MINI UMNL PIN L/P

TE Part # 770904-4
MINI UMNL SOK CONT 22-18 AWG

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

TE Part # 770903-6
MINI UMNL PIN 22-18 AWG AU

TE Part # 770902-1
MINI UMNL SOCK 26-22 AWG SN

TE Part # 770904-3
MINI UMNL SOK 22-18 AWG AU

TE Part # 770988-3
MINI UMNL SOK 22-18AWG AU LP

TE Part # 770986-3
MINI UMNL SOK 26-22AWG AU LP

TE Part # 794406-3
MINI UMNL CONT 20-16AWG AU

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

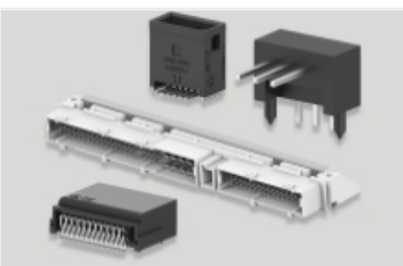
Connector Caps & Covers(2)

Connector Contacts(89)

Connector Seals & Cavity Plugs(17)

Connector Strain Relief(2)

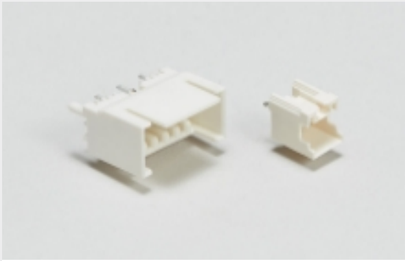
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(93)

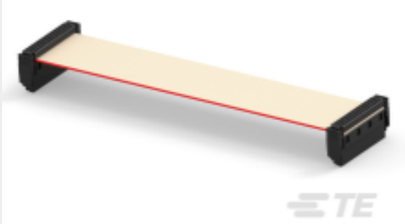
Power Contacts(89)

Rectangular Power Connectors(196)



Wire-to-Board Headers & Receptacles (93)

Customers Also Bought

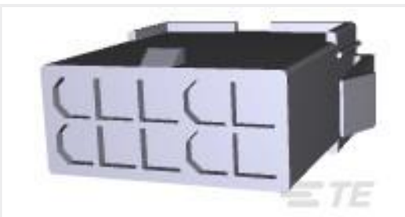


TE Part #168327-E
IDCCS SMC 1,27 32 * AU AUI 100 PVC

TE Part #30972
TERMINAL,BUDG R 12-10 3/8

TE Part #171639-1
MINI U-M-N-L SOCKET L.P

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



TE Part #794942-1
10P MINI UMNL CAP HSG

TE Part #9-1879133-8
RN 0603 9K09 0.1% 10PPM 1K RL

TE Part #2-2205131-4
CA MINI IO MINI IO TYPE I

TE Part #2-2205132-5
CA MINI IO MINI IO TYPE II

TE Part #1-2329383-4
PB OFF/ON FC GRE M3 TERM. IP68

TE Part #1-2329383-5
PB OFF/ON FC BLU M3 TERM. IP68

Documents

Product Drawings

10P MINI UMNL PLUG HSG

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_770580-1_L.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_770580-1_L.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_770580-1_L.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

Engineering Report

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English

Agency Approvals

Agency Approval Document

English