770835-3 ✔ ACTIVE

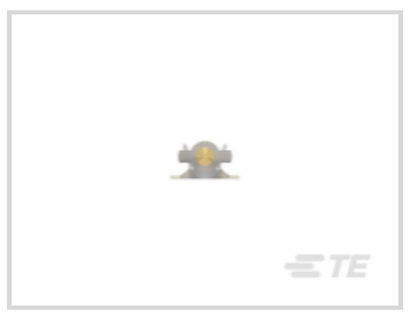
MATE-N-LOK | Mini-Universal MATE-N-LOK

TE Internal #: 770835-3

Pin Contact, Gold, 600 VAC, 600 VDC, Locking Lance Contact Retention, Discrete Wire, 30 - 26 AWG Wire Size, Mini-Universal MATE-N-LOK

View on TE.com >

Connectors > Contacts > Connector Contacts



Contact Type: **Pin**

Contact Mating Area Plating Material: **Gold**

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

Operating Voltage: **600 VDC**

Features

Product Type Features

Discrete Wire Type	Stranded

Configuration Features

Compatible With Wire & Cable Type	Discrete Wire

Electrical Characteristics

Operating Voltage	600 VDC

Contact Features

Contact Diameter	.99 mm[.039 in]
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	.76 µm[29.92 µin]
Contact Underplating Material	Nickel
Contact Type	Pin
Contact Mating Area Plating Material	Gold
Wire Contact Termination Area Plating Material	Tin-Lead
Contact Retention Within Housing	With

Contact Base Material	Brass
Contact Current Rating (Max)	9.5 A

Termination Features

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

Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance

Dimensions

Compatible Insulation Diameter Range	.89 - 1.27 mm[.035 - .05 in]
Wire Size	.05 - 1.2 mm^2

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, VDE

Packaging Features

Packaging Quantity	10000
Packaging Method	Reel

Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Pb (13% in Component Part) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Low Halogen - Br, Cl, F, I < 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 # CAT-AM71-C83998EE
Mini Circular Plastic Connectors (CPC)

TE Part # 189727-1
EXTRACTION TOOL

TE Part # 455830-1
INSERTION TOOL

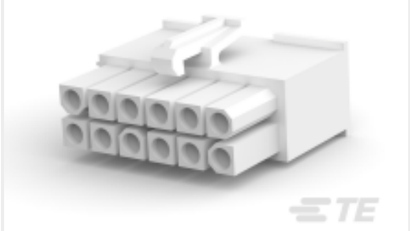
TE Part # 770586-1
22P MINI UMNL PLUG HSG

TE Part # 770587-1
24P MINI UMNL PLUG HSG

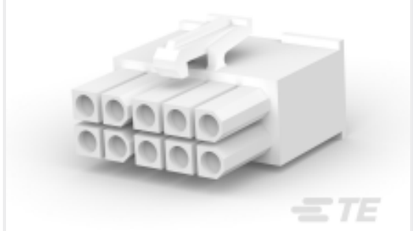
TE Part # 770582-1
14P MINI UMNL PLUG HSG

TE Part # 770585-1
20P MINI UMNL PLUG HSG

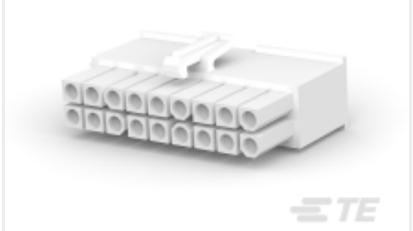
TE Part # 172333-1
MINI UNIVERSAL M-N-L HOUSING



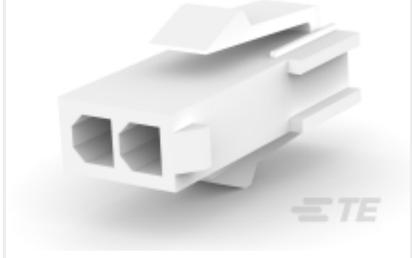
TE Part # 770581-1
12P MINI UMNL PLUG HSG



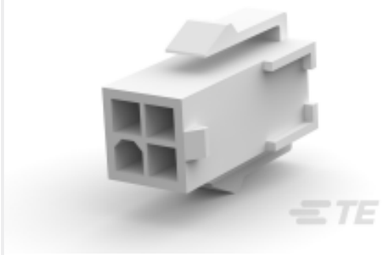
TE Part # 770580-1
10P MINI UMNL PLUG HSG



TE Part # 770584-1
18P MINI UMNL PLUG HSG

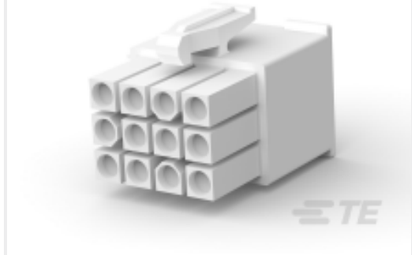


TE Part # 172328-1
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 2P

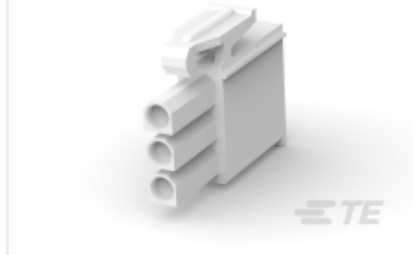


TE Part # 172330-1
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 4P

TE Part # 172344-1
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 3P



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



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

TE Part # 172171-1
15 CIR UNIV M-N-L PLUG

TE Part # 172162-1
12 CIR UNIV M-N-L CAP

TE Part # 172338-1
MINI UMNL PLUG HOUSING 4P

TE Part # 172163-1
15 CIR UNIV M-N-L CAP

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

Connector Caps & Covers(2)

Connector Contacts(89)

Connector Hardware(4)

Connector Seals & Cavity Plugs(17)

Connector Strain Relief(2)

Insertion & Extraction Tools(1)

Rectangular Power Connectors(197)

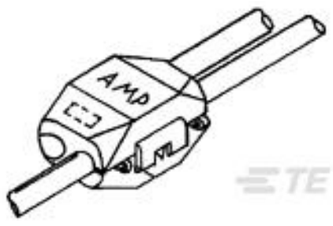
Customers Also Bought

TE Part # 1-917808-2
DYNAMIC D-5200M TAB HSG 4P X-X

TE Part # 1-480722-0
04P CMNL PLUG HSG W/LCK NATL

TE Part # 1-770835-0
MINI UMNL PIN AU LF

TE Part # 350218-6
UMNL PIN 20-14 .0125AUPHBZ



TE Part # 171425-1
ELECTRO-TAP SPLICE

TE Part # 580317J001
Versafit-V2 Heat Shrink Tubing

TE Part # 175196-3
Contact: Component To Wire; 15A, 28-14 wire size

Documents

Product Drawings

MINI UMNL PIN AU

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_770835-3_H.3d_igs.zip

English

Customer View Model

ENG_CVM_770835-3_H.3d_stp.zip

English

Customer View Model

ENG_CVM_770835-3_H.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_770835-3_M.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_770835-3_M.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_770835-3_M.3d_stp.zip

English

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Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

Agency Approval Document

English