



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
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Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

Mating Pin Diameter	1 mm[.039 in]
Contact Underplating Material Thickness	1.27 µm[50 µin]
Wire Contact Termination Area Plating Thickness	2.54 µm[100 µin]
Wire Contact Termination Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Orientation	Straight
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

Wire Insulation Support	Without
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Dimensions

Compatible Insulation Diameter Range	1.5 – 2.39 mm[.059 – .094 in]
Wire Size	.3 – .9 mm²

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

Compatible With Agency/Standards Products	CSA, UL
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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	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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

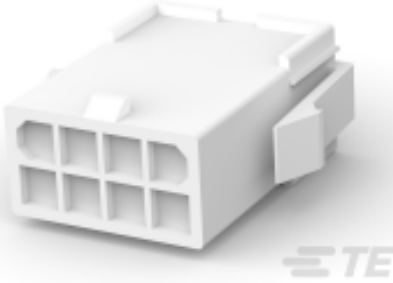
Not applicable for solder process capability

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

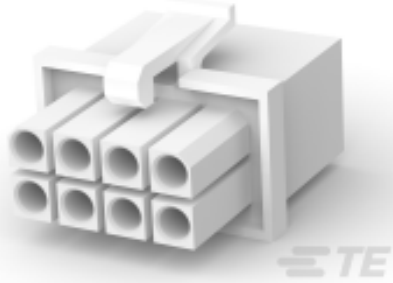
TE Part # CAT-AM71-C83998EE Mini Circular Plastic Connectors (CPC)	TE Part # 91522-1 CCII MINI UNML PIN SKT 22-18 ASSY	TE Part # 90759-1 PROCRIMP TL W/DIE MIN UNIV MNL	TE Part # 189727-1 EXTRACTION TOOL
TE Part # 455830-1 INSERTION TOOL	TE Part # 770586-1 22P MINI UMNL PLUG HSG	TE Part # 794942-1 10P MINI UMNL CAP 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 # 794781-1 10P MINI UMNL PLUG HSG



TE Part # 794941-1
08P MINI UMNL CAP HSG



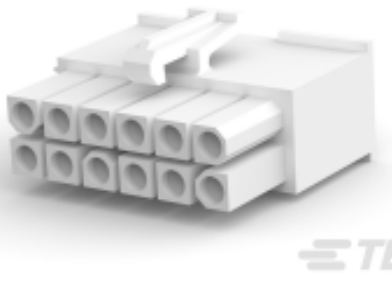
TE Part # 794895-1
6 CIR MINI UMNL RND WIRE HOLES



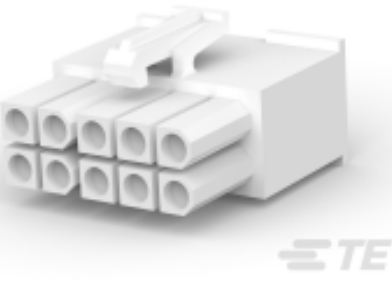
TE Part # 794821-1
08P MINI UMNL PLUG HSG



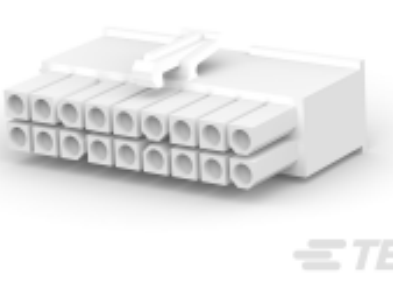
TE Part # 794940-1
06P MINI UMNL CAP HSG



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

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)

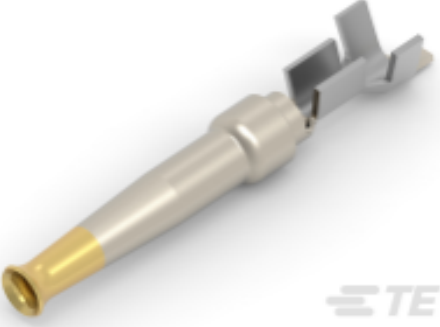


Rectangular Power Connectors(197)

Customers Also Bought



TE Part #6609042-4
20VS1=F7249 S0



TE Part #7-66504-0
D-Sub Conn Contacts: Socket, Phosphor Bronze, Signal, Size 20

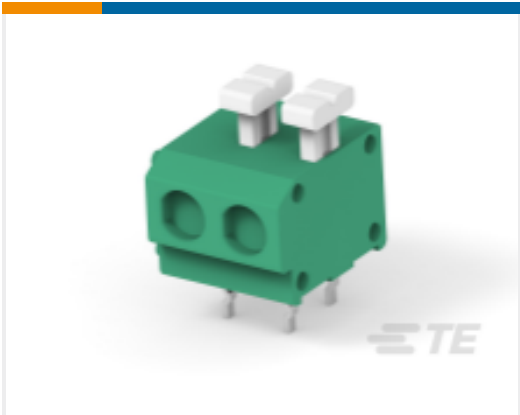


TE Part #172330-1
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 4P



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





TE Part #1-2834018-2
2POS 5.0MM TEPS CONN.



TE Part #ER9643-000
TMS-CT-50M-3/16-OUT-3



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



TE Part #2361497-2
SDE F PIN 32-20 DIE SET



TE Part #ES13374001
EVSW-10/5-3-SP

Documents

Product Drawings

MINI UMNL PIN 22-18 AWG AU LP

English

CAD Files

Customer View Model

ENG_CVM_CVM_770987-3_E.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_770987-3_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_770987-3_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.)

770987-3

Pin Contact, Gold, 600 VAC, 600 VDC, 22 – 18 AWG Wire Size, .3 – .9 mm² Wire Size, Crimp, Brass, Power, Mini-Universal MATE-N-LOK



English