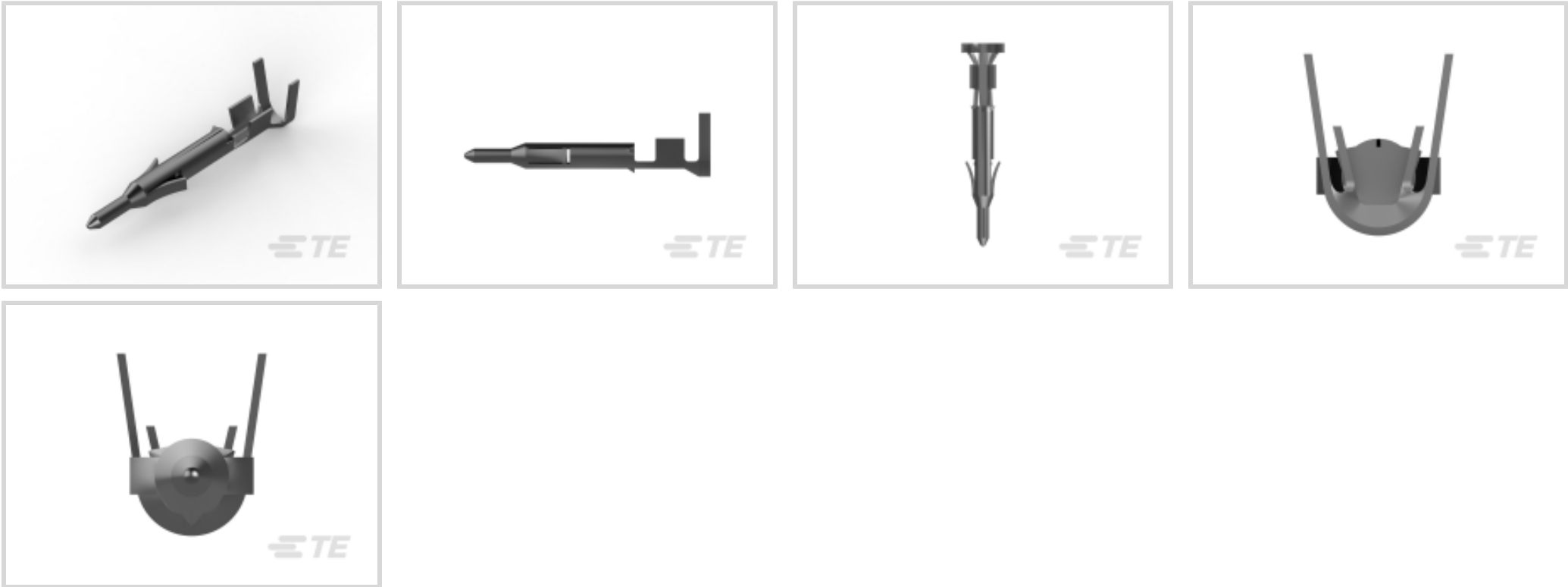




Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**
Operating Voltage: **600 VDC**
Contact Mating Area Plating Material: **Pre-Tin**
Wire Size: **22 – 18 AWG**

Features

Product Type Features

Power Contact Type	Contact
Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

Electrical Characteristics

Operating Voltage	600 VDC
Insulation Resistance	1000

Contact Features

Contact Shape & Form	Round
Contact Mating Area Plating Material	Pre-Tin
Contact Current Rating (Max)	7 A
Contact Type	Pin
Contact Retention Within Housing	With
Mating Pin Diameter	1 mm[.039 in]
Contact Base Material	Brass

Contact Mating Area Plating Material Thickness	.8 µm[31.49 µin]
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Wire Contact Termination Area Plating Material Thickness	.8 µm[31.49 µin]
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Orientation	Straight
Barrel Type	Open Barrel

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
Connector Mounting Type	Cable Mount (Free-Hanging)
Wire Insulation Support	Without

Dimensions

Wire Size	.3 – .89 mm ²
Accepts Wire Insulation Diameter Range	1.5 – 2.4 mm, 3.4 mm[.059 – .094 in][.134 in]
Overall Length	17 mm[.67 in]

Usage Conditions

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

Circuit Application	Power
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Industry Standards

CSA Rating	Certified
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard	CSA, UL
UL Rating	Recognized
UL Flammability Rating	UL 94V-0
VDE Tested	No
CSA File Number	LR 7189
CSA Certified	Yes
UL File Number	E28476

Packaging Features

Packaging Method	Bag
Packaging Quantity	300



Other

Wire Type	Stranded
For Use With	Plug or Cap Housing
Wire/Cable Type	Discrete Wire

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: JUN 2020 (209) Candidate List Declared Against: JAN 2020 (205) Does not contain REACH SVHC
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

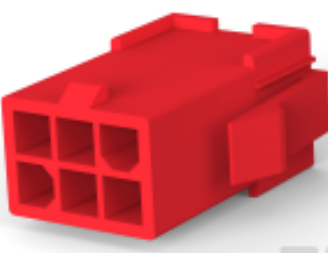
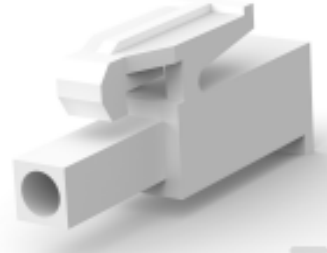
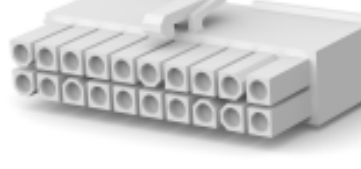
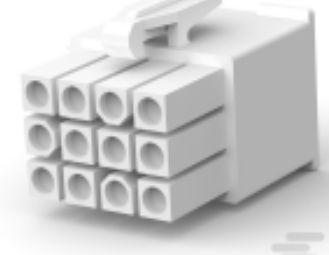
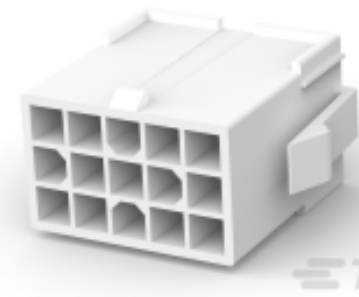
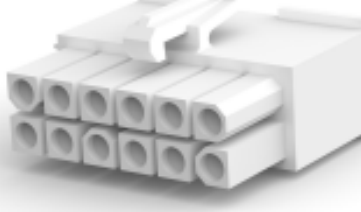
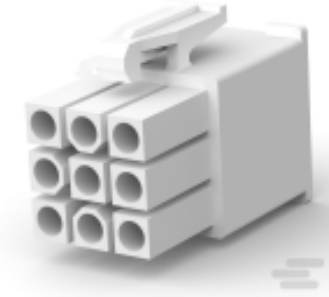
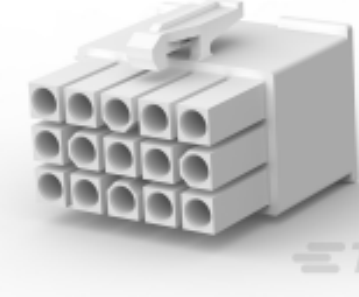
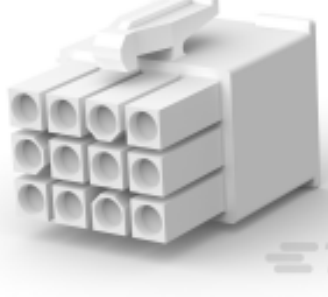
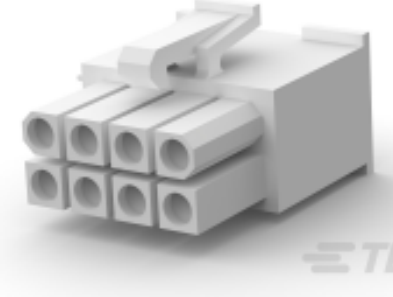
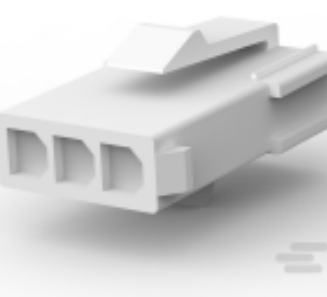
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CERTICRIMP 2,SAHT MINI UMNL

TE Model / Part # 455830-1
INSERTION TOOL

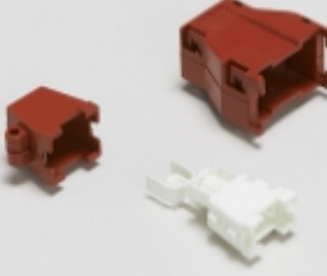
TE Model / Part # 90759-1
PROCRIMP TL W/DIE MIN UNIV MNL

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



 TE Model / Part # 189727-1 EXTRACTION TOOL	 TE Model / Part # 1-172331-2 UNIVERSAL MATE-N-LOK CAP 6P	 TE Model / Part # 770587-1 24P MINI UMNL PLUG HSG	 TE Model / Part # 172335-1 MINI UMNL PLUG HOUSING 1P
 TE Model / Part # 770586-1 22P MINI UMNL PLUG HSG	 TE Model / Part # 770585-1 20P MINI UMNL PLUG HSG	 TE Model / Part # 172341-1 MINI UMNL PLUG HOUSING 12P	 TE Model / Part # 770582-1 14P MINI UMNL PLUG HSG
 TE Model / Part # 172334-1 MINI UMNL CAP HOUSING 15P	 TE Model / Part # 770581-1 12P MINI UMNL PLUG HSG	 TE Model / Part # 172340-1 MINI UMNL PLUG HOUSING 9P	 TE Model / Part # 770580-1 10P MINI UMNL PLUG HSG
 TE Model / Part # 172342-1 MINI UMNL PLUG HOUSING 15P	 TE Model / Part # 172170-1 12 CIR UNIV M-N-L PLUG	 TE Model / Part # 770579-1 08P MINI UMNL PLUG HSG	 TE Model / Part # 172329-1 MINI UNIVERSAL MATE-N-LOK CAP HOUSING 3P

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

 Connector Contacts(11)	 Power Contacts(85)	 Rectangular Backshells & Clamps(2)	 Rectangular Boots & Strain Relief(2)
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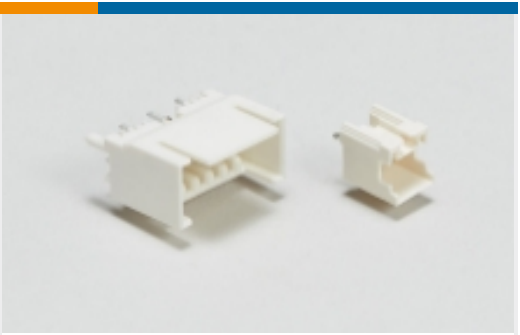
Rectangular Connector Keying Plugs(2)



Rectangular Connector Seals(18)

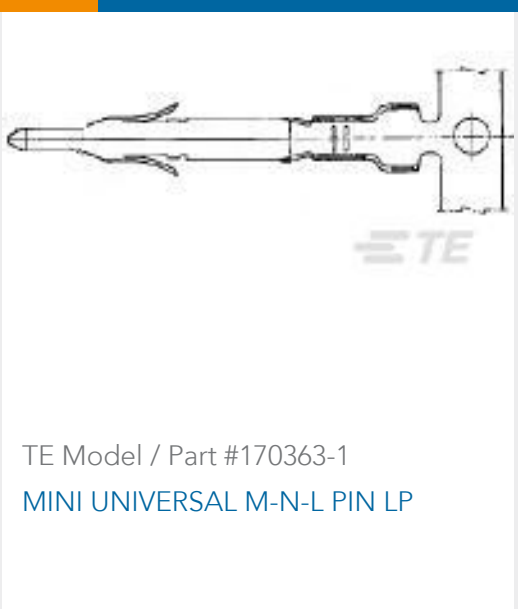
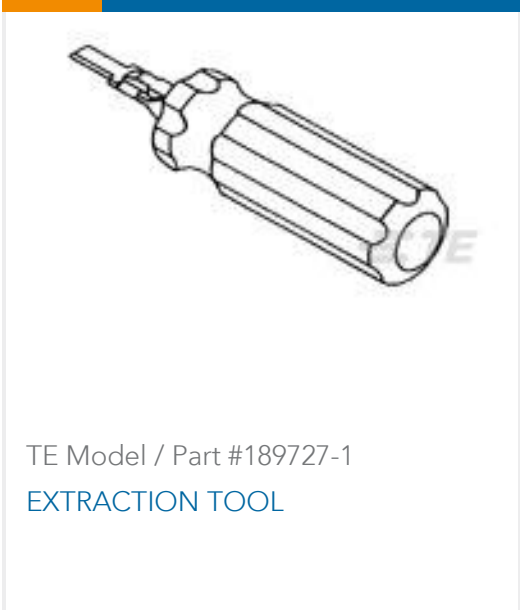


Rectangular Power Connectors(284)



Wire-to-Board Headers & Receptacles (1)

Customers Also Bought



Documents

Product Drawings

MINI UNIVERSAL M-N-L PIN LP

English

CAD Files

Customer View Model

ENG_CVM_170364-1_C.3d_igs.zip

English

Customer View Model



[ENG_CVM_170364-1_C.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_170364-1_C.2d_dxf.zip](#)

English

3D PDF

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Crimping of Mini-Universal MATE-N-LOK Contact

Japanese

Application Specification

Japanese

Product Environmental Compliance

TE Material Declaration

English

Instruction Sheets

Instruction Sheet (non U.S.)

Japanese

Mini-Universal MATE-N-LOK Connector

Japanese