



Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**
Operating Voltage: **600 VDC**
Contact Mating Area Plating Material: **Gold**
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
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Contact Features

Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	11.2 A
Contact Type	Socket
Contact Retention Within Housing	With
Mating Pin Diameter	1 mm[.039 in]
Contact Base Material	Brass
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Wire Contact Termination Area Plating Thickness	2.54 µm[100 µin]
Wire Contact Termination Area Plating Material	Tin



Wire Contact Termination Area Plating Material Finish	Bright
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
Wire Insulation Support	Without

Dimensions

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

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

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

Packaging Features

Packaging Method	Reel
Packaging Quantity	4500

Other

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



Comment

HDM Applicator part number ending in -1 is used on AMPOMATOR CLS Machine with T or G Terminators, -2 is used on AMP-O-LECTRIC Model K Machine, -3 is used on AMP-O-LECTRIC Model G Machine.

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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

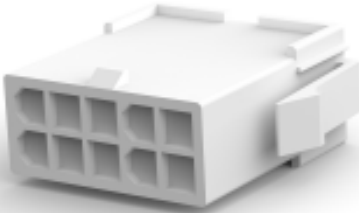
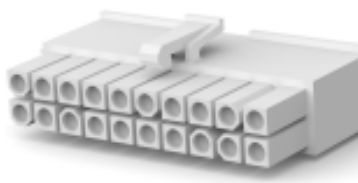
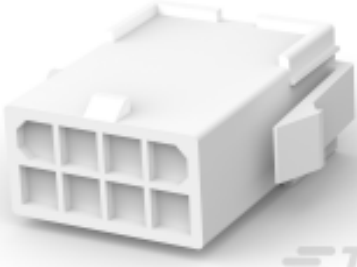
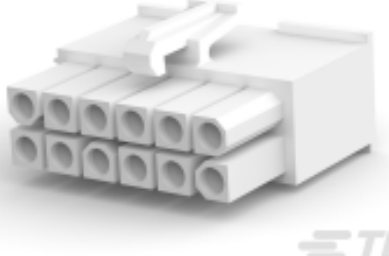
TE Part # CAT-AM71-C83998EE
Mini Circular Plastic Connectors (CPC)

TE Part # 91522-1
CCII MINI UNML PIN SKT 22-18 ASSY

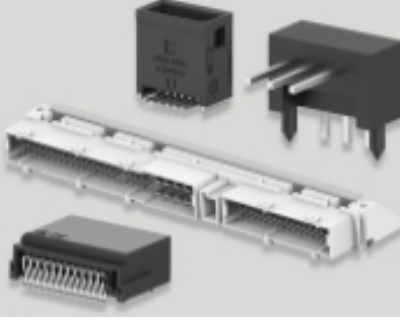
TE Part # 90759-1
PROCrimp TL W/DIE MIN UNIV MNL

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 Contacts(11)	 Insertion & Extraction Tools(1)	 PCB Headers & Receptacles(1)	 Power Contacts(85)
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Rectangular Backshells & Clamps(2)



Rectangular Boots & Strain Relief(2)



Rectangular Connector Keying Plugs(2)



Rectangular Connector Locking(2)



Rectangular Connector Seals(20)



Rectangular Power Connectors(283)

Documents

Product Drawings

MINI UMNL SOK 22-18 AWG AU

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-770904-0_W.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-770904-0_W.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-770904-0_W.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

1-1773458-0_MINI_UNIVERSAL_MATE_N_LOK_CONNECTOR_SYSTEM_QRG

English

Product Specifications



Application Specification

English

Product Environmental Compliance

MD_1-770904-0_1213201890_dmtec

English

MD_1-770904-0_1213201890_dmtec

English

Instruction Sheets

Instruction Sheet (U.S.)

English