



Connectors > Contacts > Connector Contacts



Contact Type: **Socket**
Contact Mating Area Plating Material: **Gold**
Wire Contact Termination Area Plating Material: **Tin**
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	Socket
Contact Mating Area Plating Material	Gold
Wire Contact Termination Area Plating Material	Tin
Contact Retention Within Housing	With



Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	11.2 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	1.19 – 1.75 mm[.047 – .069 in]
Wire Size	.12 – .4 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
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	7000
Packaging Method	Reel

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 91529-1 CCII MINI-UMNL PIN 26-22 ASSY	TE Part # 90758-2 PROCrimp DIE MINI 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 #3-5177986-1
0.8FH,P08H.5,040,08/Sn,TR,SC

TE Part #350922-6
PIN, MATE-N-LOK, UMNL

TE Part #1-350780-9
04P UMNL V0 CAP HSG BLACK

TE Part #2176308-2
RP 1E 0.1W 137K 0.1% 25PPM 5K RL



TE Part #1-2176308-9
RP 1E 0.1W 205K 0.1% 25PPM 5K RL

TE Part #NB09436001
ATUM-16/4-0-50MM

TE Part #2271041-1
0.8FH,R19H.5,040,30/SN,TR,SC

TE Part #7-2151240-7
OCEAN_2.0_SPARE_PART_KIT-055F075F

TE Part #ESA201M01320500000
915 PLUG

Documents

Product Drawings

MINI UMNL SOK 26-22 AWG AU LF

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-770902-1_T.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-770902-1_T.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-770902-1_T.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

Product Specifications

Application Specification

English

1-770902-1

Socket Contact, Gold, 600 VAC, 600 VDC, 26 – 22 AWG Wire Size, .12 – .4 mm² Wire Size, Crimp, Phosphor Bronze, Power, Mini-Universal MATE-N-LOK



Instruction Sheets

Instruction Sheet (U.S.)

English