



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 - 6.35 µm[100 - 250 µin]
Wire Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Orientation	Straight
Contact Underplating Material	Nickel
Barrel Type	Open
Contact Type	Socket
Contact Mating Area Plating Material	Gold
Wire Contact Termination Area Plating Material	Tin



Contact Retention Within Housing	Without
Contact Base Material	Brass
Contact Current Rating (Max)	10.5 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	2.01 - 3.2 mm[.079 - .126 in]
Wire Size	.5 - 1.4 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
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Packaging Features

Packaging Quantity	5000
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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free



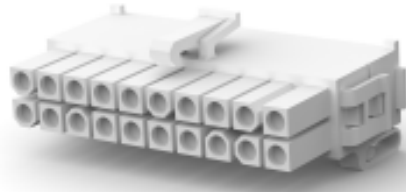
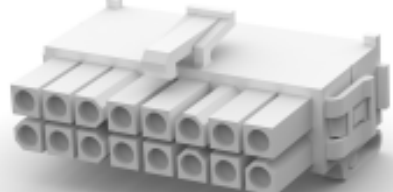
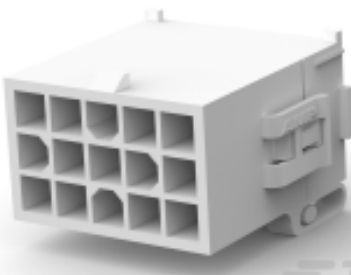
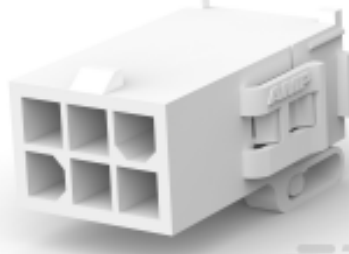
Solder Process Capability

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 # 189727-1 EXTRACTION TOOL	 TE Part # 455830-1 INSERTION TOOL	 TE Part # 794215-1 24P MINI UMNL2 CAP HSG UL94V0	 TE Part # 794200-1 12P MINI UMNL2 PLUG HSG MATRIX
 TE Part # 794210-1 20P MINI UMNL2 PLUG HSG UL94V0	 TE Part # 794206-1 16P MINI UMNL2 PLUG HSG UL94V0	 TE Part # 794187-1 03P MINI UMNL2 CAP HSG UL94V0	 TE Part # 794205-1 15P MINI UMNL2 CAP HSG UL94V0
 TE Part # 794191-1 06P MINI UMNL2 CAP HSG UL94V0	 TE Part # 794196-1 10P MINI UMNL2 PLUG HSG UL94V0	 TE Part # 794192-1 08P MINI UMNL2 PLUG HSG UL94V0	 TE Part # 794193-1 08P MINI UMNL2 CAP HSG UL94V0



TE Part # 794241-1
04P MINI UMNL2 PLUG HSG UL94V2

TE Part # 794190-1
06P MINI UMNL2 PLUG HSG UL94V0

TE Part # 794186-1
03P MINI UMNL2 PLUG HSG UL94V0

TE Part # 794185-1
02P MINI UMNL2 CAP HSG UL94V0

TE Part # 794189-1
04P MINI UMNL2 CAP HSG UL94V0

TE Part # 794184-1
02P MINI UMNL2 PLUG HSG UL94V0

TE Part # 794212-1
22P MINI UMNL2 PLUG HSG UL94V0

TE Part # 794188-1
04P MINI UMNL2 PLUG HSG UL94V0

Also in the Series | Mini-Universal MATE-N-LOK 2

Connector Contacts(35)

Insertion & Extraction Tools(1)

Rectangular Power Connectors(45)

Customers Also Bought

TE Part # 2-328998-1
PIDG 16-14 R 5/16; TAPE

TE Part # 521011-2
ULTRA-POD 250 ASSY REC 18-14 AWG TPBR

TE Part # 770016-1
05P UMNLII IN-LNE PLUG HSG KIT

TE Part # 770053-1
09P UMNL II CAP-FRONT 94VO

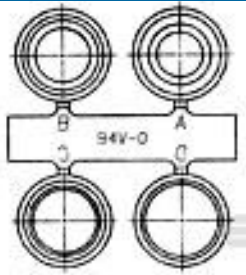
TE Part # 770046-1
02P UMNL II CAP REAR 94VO

TE Part # 770054-1
09P UMNL II CAP REAR 94VO

TE Part # 770045-1
02P UMNL II CAP-FRONT 94VO

TE Part # 794188-1
04P MINI UMNL2 PLUG HSG UL94V0





TE Part # 747973-1
GROMMET ASSORTMENT, SZ 3,4 & 5

TE Part # GA10K3MRBD1002
MBD2-MRBD 10K +/- 0.2°C 0-70°C

Documents

Product Drawings

MINI UMNL2 SCKT 20-16AWG 30AU

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-794223-0_P.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-794223-0_P.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-794223-0_P.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

Product Specification

English

Mini UMNL II Header

English