

MINI UMNL SOK 20-16 AWG AU LF

✓ ACTIVE

MATE-N-LOK | Mini-Universal MATE-N-LOK

TE Part # 1-794407-1

TE Internal #: 1-794407-1

[View on TE.com >](#)



Connectors > Power Connectors > Power Contacts



Product Type: **Contact**
Operating Voltage: **600 VDC**
Wire Size: **.5 – 1.4 mm²**

Features

Product Type Features

Product 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 Current Rating (Max)	11.2 A
Contact Type	Socket
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Thickness	.76 µm[30 µin]
Contact Termination Area Plating Material	Tin
Contact Termination Area Plating Thickness	2.54 – 6.35 µm[100 – 250 µin]
Wire Contact Termination Area Plating Material	Tin
Crimp Area Plating Finish	Matte
Crimp Area Plating Thickness	2.54 – 6.35 µm[100 – 250 µin]
Contact Angle	Straight



Contact Underplating Material	Nickel
Underplate Material Thickness	1.27 µm[50 µin]

Termination Features

Termination Type	Crimp
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Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
Contact Retention in Housing	With
Wire Insulation Support	Without

Dimensions

Wire Size	.5 – 1.4 mm²
Mating Pin Diameter	1 mm[.039 in]
Accepts Wire Insulation Diameter Range	2 – 3.2 mm[.079 – .126 in]

Usage Conditions

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

Circuit Application	Power
For Multiple Crimp	No

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
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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 2019 (197) Candidate List Declared Against: JUL 2017 (174)
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed 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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

Applicators(6)	Insertion & Extraction Tools (2)	Portable Crimp Tools(6)	Rectangular Power Connectors(116)

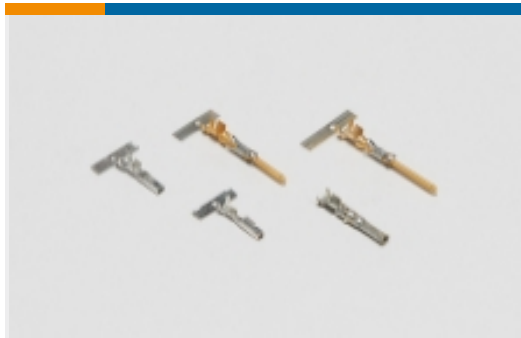


Spare & Wear Tooling(1)

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



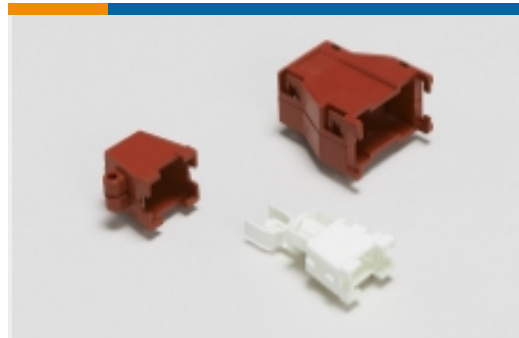
Connector Contacts(11)



Power Contacts(85)



Rectangular Backshells & Clamps(2)



Rectangular Boots & Strain Relief(2)



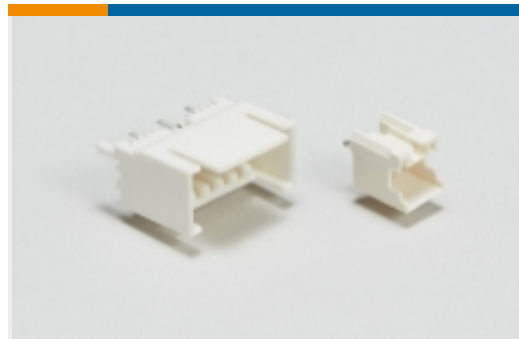
Rectangular Connector Keying Plugs(2)



Rectangular Connector Seals(18)



Rectangular Power Connectors(290)



Wire-to-Board Headers & Receptacles(1)

Customers Also Bought



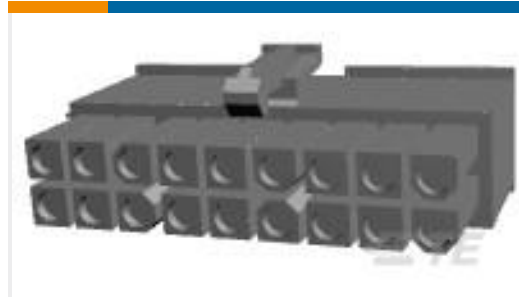
TE Part #91536-1
CERTICRIMP 2,SAHT MINI UMNL



TE Part #770582-1
14P MINI UMNL PLUG HSG



TE Part #770580-1
10P MINI UMNL PLUG HSG



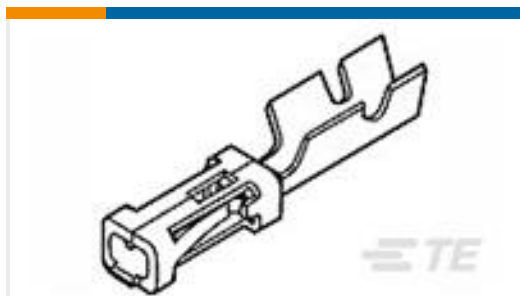
TE Part #770584-1
18P MINI UMNL PLUG HSG



TE Part #1-770902-1
MINI UMNL SOK 26-22 AWG AU LF



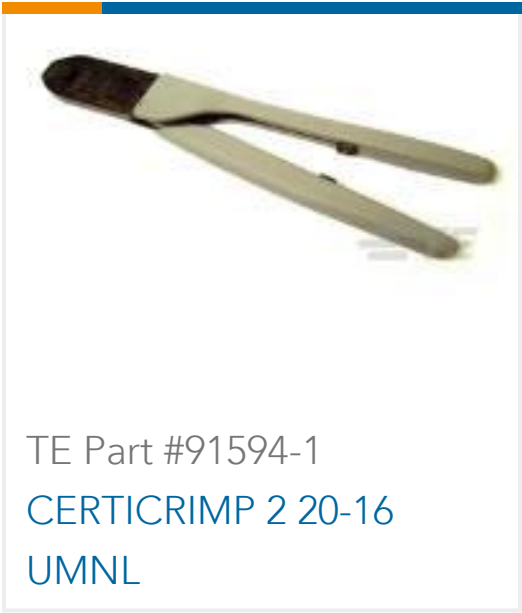
TE Part #1-794407-0
MINI UMNL SOK 20-16 AWG AU LF



TE Part #102917-5
MOD IV RECP PLTD 15 SEL



TE Part #1-794406-0
MINI UMNL SOK 20-16 AWG AU LF



Documents

Product Drawings

MINI UMNL SOK 20-16 AWG AU LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-794407-1_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-794407-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-794407-1_F.3d_stp.zip

English

Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Product Specification

English

Product Environmental Compliance

TE Material Declaration

English