

770210-1 ✓ ACTIVE

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

TE Internal #: 770210-1

Power Contacts, Contact, 600 VAC, Pre-Tin, 24 – 18 AWG Wire Size,
.2 – .82 mm² Wire Size, Wire-to-Wire, Wire & Cable, Crimp, Pin,
Universal MATE-N-LOK

[View on TE.com >](#)



Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Operating Voltage: **600 VAC**

Contact Mating Area Plating Material: **Pre-Tin**

Wire Size: **.2 – .82 mm²**

Features

Product Type Features

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

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Contact Mating Area Plating Material	Pre-Tin
Contact Current Rating (Max)	19 A
Contact Type	Pin
Contact Retention Within Housing	With
Mating Pin Diameter	2.13 mm [.084 in]
Contact Base Material	Brass
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Orientation	Straight



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	.2 – .82 mm ²
Accepts Wire Insulation Diameter Range	1.52 – 3.3 mm [.06 – .13 in]

Usage Conditions

Operating Temperature Range	-55 – 125 °C [-67 – 257 °F]
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Industry Standards

CSA Rating	Certified
Glow Wire Rating	Standard Part - Not Glow Wire
VDE Tested	Yes
Agency/Standard	CSA, UL
CSA File Number	LR 7189
UL Rating	Recognized
UL File Number	E28476

Packaging Features

Packaging Method	Reel
Packaging Quantity	5000

Other

Wire/Cable Type	Discrete Wire
Wire Type	Stranded
For Use With	Universal MATE-N-LOK Plug or Cap Housing

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



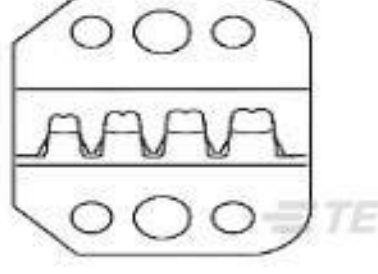


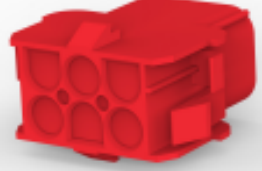
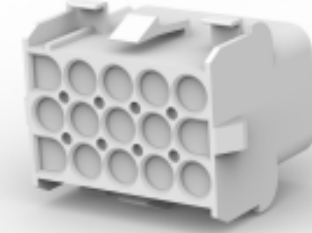



China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 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

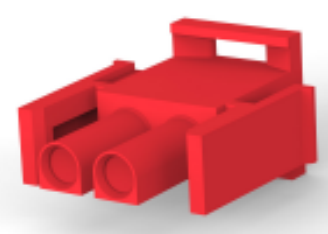
 <p>TE Part # 90546-1 ASSY PRO-CRIMPER UNIV M-N-L</p>	 <p>TE Part # 91500-1 CCII UNML UNML II PIN SKT 20-14 ASSY</p>	 <p>TE Part # 90546-2 PROCRIMPER DIE ASSY UNIV MNL</p>	 <p>TE Part # 1804030-1 EXTRACTION TOOL ASSY</p>
 <p>TE Part # 455830-1 INSERTION TOOL</p>	 <p>TE Part # 1-480705-2 06P UNML CAP HSG RED</p>	 <p>TE Part # 350784-1 15P UMNL CAP HSG</p>	 <p>TE Part # 926307-3 6P UN-MNL AUFN-GEH</p>




TE Part # 1-480704-2
06P UMNL PLUG HSG RED



TE Part # 926302-1
10& UNIV.M-N-L.PLUG



TE Part # 1-350777-2
02P UMNL V0 PLUG HSG RED



TE Part # 350783-1
12P UMNL CAP HSG



TE Part # 1-350778-9
02P UMNL V0 CAP HSG BLACK



TE Part # 350735-1
12P UMNL PLUG HSG



TE Part # 926302-3
10P UN-MNL STECKGEH



TE Part # 926308-3
8P UN-MNL AUFN-GEH



TE Part # 350736-1
15P UMNL PLUG HSG



TE Part # 1-480701-4
03P UMNL CAP HSG YELL




TE Part # 640585-1
06P UMNL PLUG HSG V2 NATL

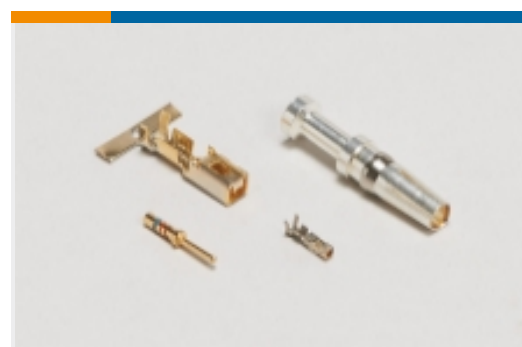


TE Part # 926308-1
8P UNIV.M-N-L.CAP


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



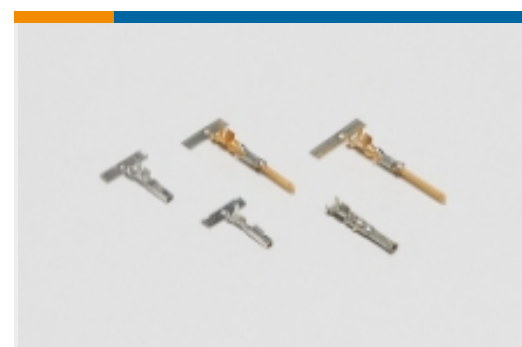
Circular Power Connectors(2)




Connector Contacts(11)



Insertion & Extraction Tools(4)



Power Contacts(207)




Rectangular Boots & Strain Relief(35)



Rectangular Connector Adapters(7)



Rectangular Connector Hardware(1)



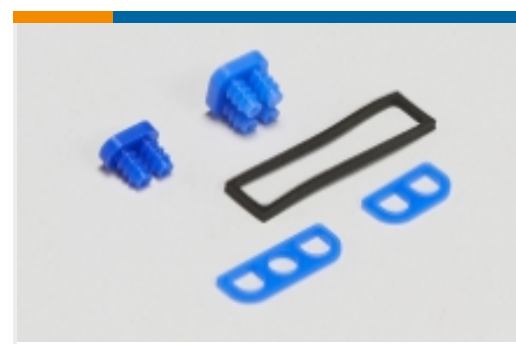
Rectangular Connector Housings(2)



Rectangular Connector Keying Plugs(3)



Rectangular Connector Locking(4)



Rectangular Connector Seals(26)



Rectangular Power Connectors(729)

Customers Also Bought

TE Part #4-1609969-2
KEH 20A 2S SP DELTA 520VACTE Part #829265-5
5P HV100 REC.CON. B/TE,6,2,NO
KINKTE Part #1-1644055-3
06P UMNL PLUG HSG GWEPT-V0
WINDOW LATCHTE Part #1586936-1
06P UMNL HDR ASSY R/A, GWTE Part #1SNA105075R2000
MA2.5/5TE Part #2333994-1
04P MINI UMNL CAP HSG GWTTE Part #4-2307345-2
STD RANGE WIRE TO TAB,080X020,
SMZTE Part #2071520-1
PCN-112D3MZ-EX1,00400TE Part #4-1601088-4
031-159-002=TAB,2.0X.51,STDSMZTE Part #6-1601494-2
131-125-025=TAB,110X020,STDSMZ

Documents

Product Drawings

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_770210-1_K.2d_dxf.zip](#)

English

Customer View Model



[ENG_CVM_CVM_770210-1_K.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_770210-1_K.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_SOCKET_CONNECTORS_STANDARD_DENSITY](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[MD_770210-1_03222018948_dmtec](#)

English

[MD_770210-1_03222018948_dmtec](#)

English