

770007-1 ✓ ACTIVE

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

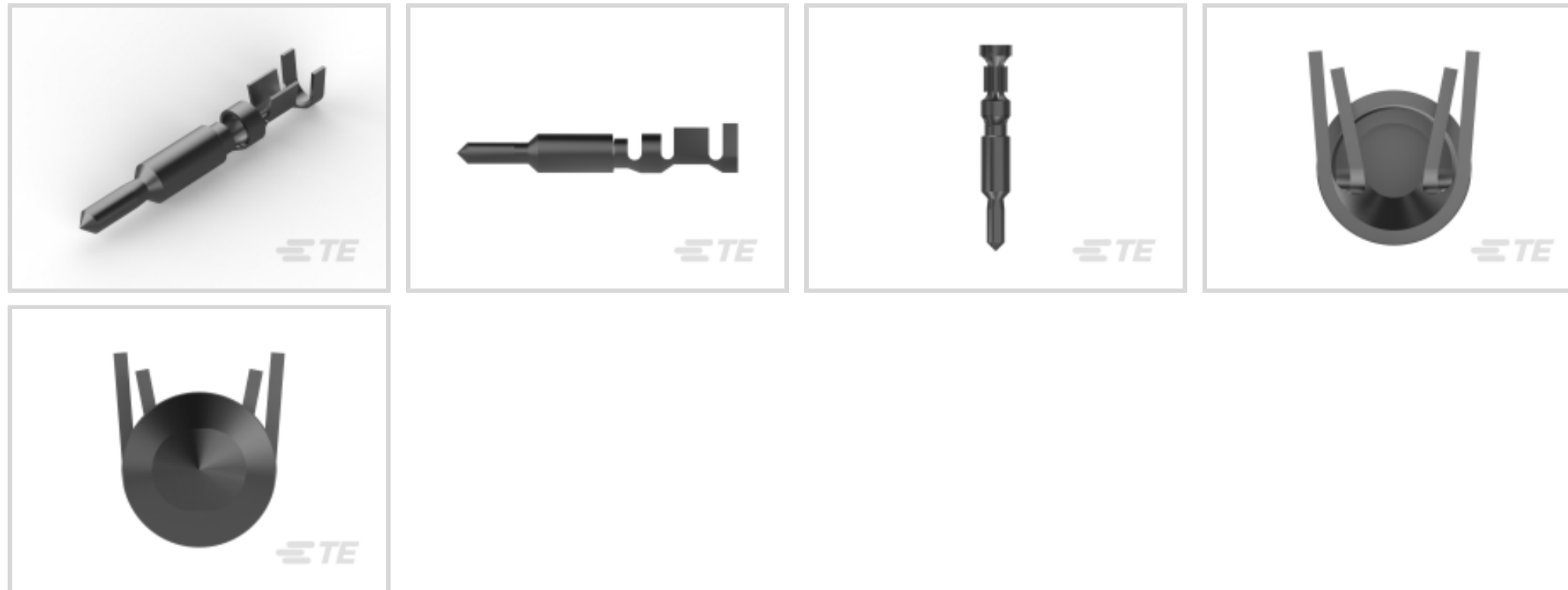
TE Internal #: 770007-1

Pin Contact, Tin, 600 VAC, 20 - 14 AWG Wire Size, .5 - 2 mm² Wire Size, Crimp, Brass, Power, -67 - 248 °F [-55 - 120 °C], Universal MATE-N-LOK

[View on TE.com >](#)



Connectors > Contacts > Connector Contacts



Contact Type: **Pin**

Contact Mating Area Plating Material: **Tin**

Wire Contact Termination Area Plating Material: **Pre-Tin**

Operating Voltage: **600 VAC**

Contact Retention Within Housing: **Without**

Features

Product Type Features

Discrete Wire Type	Stranded
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Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Mating Pin Diameter	2.18 mm [.086 in]
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Wire Contact Termination Area Plating Material Finish	Matte
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Contact Orientation	Straight
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Contact Type	Pin
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Contact Mating Area Plating Material	Tin
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Wire Contact Termination Area Plating Material	Pre-Tin
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Contact Retention Within Housing	Without
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Contact Base Material	Brass
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Contact Current Rating (Max)	7 A
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Termination Features



Termination Method to Wire & Cable	Crimp
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Product Terminates To	Wire & Cable
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Mechanical Attachment

Wire Insulation Support	Without
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Dimensions

Compatible Insulation Diameter Range	1.52 - 3.3 mm [.06 - .13 in]
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Wire Size	.5 - 2 mm ²
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Usage Conditions

Operating Temperature Range	-55 - 120 °C [-67 - 248 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

Compatible With Agency/Standards Products	CSA, UL, VDE
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Packaging Features

Packaging Quantity	4000
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Packaging Method	Reel
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not applicable for solder process capability
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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>

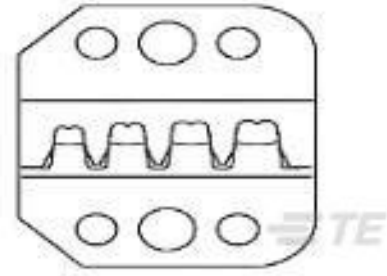
Compatible Parts



TE Part # 90546-1
ASSY PRO-CRIMPER UNIV M-N-L



TE Part # 91500-1
CCII UNML UNML II PIN SKT 20-14 ASSY



TE Part # 90546-2
PROCRIEMPER DIE ASSY UNIV MNL



TE Part # 770022-1
12P UMNLI IN-LNE PLUG HSG KIT



TE Part # 770019-1
04P UMNLI IN-LNE PLUG HSG KIT



TE Part # 770028-1
09P UMNLI IN-LINE CAP HSG KIT



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



TE Part # 770026-1
04P UMNLI IN-LINE CAP HSG KIT



TE Part # 770024-1
02P UMNLI IN-LINE CAP HSG KIT



TE Part # 770029-1
12P UMNLI IN-LINE CAP HSG KIT



TE Part # 770021-1
09P UMNLI IN-LNE PLUG HSG KIT



TE Part # 770030-1
15P UMNLI IN-LINE CAP HSG KIT



TE Part # 770018-1
03P UMNLI IN-LNE PLUG HSG KIT



TE Part # 770027-1
06P UMNLI IN-LINE CAP HSG KIT



TE Part # 770025-1
03P UMNLI IN-LINE CAP HSG KIT



TE Part # 770017-1
02P UMNLI IN-LNE PLUG HSG KIT




TE Part # 770020-1
06P UMNLI IN-LNE PLUG HSG KIT



TE Part # 770023-1
15P UMNLI IN-LNE PLUG HSG KIT




TE Part # 2151024-1
OCEAN_2.0_Applicator-S-090F130F-RSM




TE Part # 2151024-2
OCEAN_2.0_Applicator-S-090F130F-RSA


Also in the Series | Universal MATE-N-LOK




Circular Power Connectors(2)




Connector Caps & Covers(34)



Connector Contacts(209)




Connector Hardware(12)




Connector Seals & Cavity Plugs(27)



Connector Strain Relief(7)




Insertion & Extraction Tools(4)



Rectangular Connector Housings(1)



Rectangular Power Connectors(671)



Standard Circular Connectors(1)

Customers Also Bought



TE Part # 770022-1
12P UMNLI IN-LNE PLUG HSG KIT



TE Part # 770029-1
12P UMNLI IN-LINE CAP HSG KIT



TE Part # 770030-1
15P UMNLI IN-LINE CAP HSG KIT



TE Part # 770025-1
03P UMNLI IN-LINE CAP HSG KIT



Documents

Product Drawings

UMNL II PIN PTPBR

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_770007-1_T.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_770007-1_T.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_770007-1_T.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

English

Product Specifications

Application Specification

English