770254-1 ✔ ACTIVE

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

TE Internal #: 770254-1

Universal MATE-N-LOK, Power Contacts, Contact, Operating Voltage 600 VAC, Pre-Tin, 20 – 14AWG Wire Size, .5 – 2mm² Wire Size, Wire-to-Wire

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: **.5 – 2 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

Contact Features

Contact Mating Area Plating Material	Pre-Tin
Contact Current Rating (Max)	7 A
Contact Type	Pin
Contact Retention Within Housing	Without
Mating Pin Diameter	2.13 mm[.084 in]
Contact Base Material	Brass
Wire Contact Termination Area Plating Material	Pre-Tin
Wire Contact Termination Area Plating Material Finish	Matte
Contact Orientation	Straight

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
Wire Insulation Support	Without

Dimensions

Wire Size	.5 – 2 mm²
Accepts Wire Insulation Diameter Range	1.52 – 3.3 mm[.06 – .13 in]

Usage Conditions

Operating Temperature Range	-55 – 120 °C[-67 – 248 °F]

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	Bag
Packaging Quantity	1000

Other

Wire/Cable Type	Discrete Wire
Wire Type	Stranded
For Use With	Standard Universal MATE-N-LOK(Socket)

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 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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



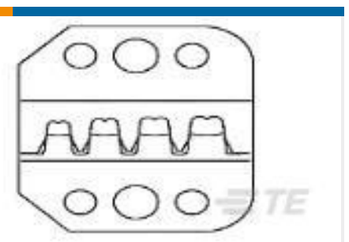
TE Part # 91506-1
CCII UNML UNML II PIN SKT 16-14 ASSY



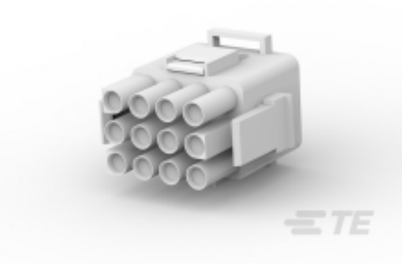
TE Part # 90546-1
ASSY PRO-CRIMPER UNIV M-N-L



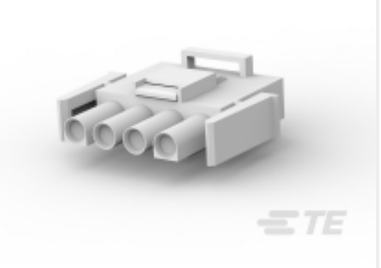
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TE Part # 90546-2
PROCRIMPER DIE ASSY UNIV MNL



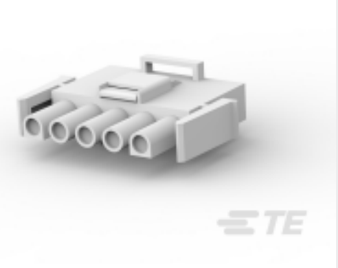
TE Part # 770022-1
12P UMNLII IN-LNE PLUG HSG KIT



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



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

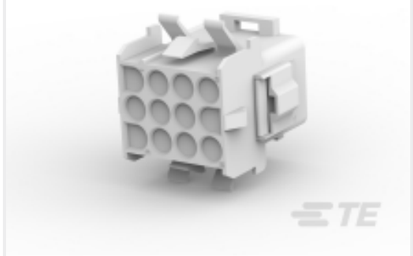


TE Part # 770016-1
05P UMNLII IN-LNE PLUG HSG KIT



TE Part # 770026-1

04P UMNLII IN-LINE CAP HSG KIT



TE Part # 770029-1

12P UMNLII IN-LINE CAP HSG KIT



TE Part # 770018-1

03P UMNLII IN-LNE PLUG HSG KIT



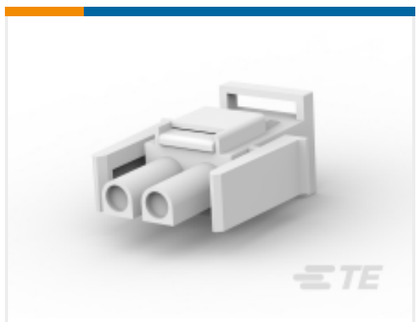
TE Part # 770027-1

06P UMNLII IN-LINE CAP HSG KIT



TE Part # 770025-1

03P UMNLII IN-LINE CAP HSG KIT



TE Part # 770017-1

02P UMNLII IN-LNE PLUG HSG KIT



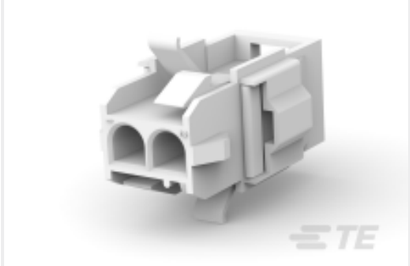
TE Part # 770020-1

06P UMNLII IN-LNE PLUG HSG KIT



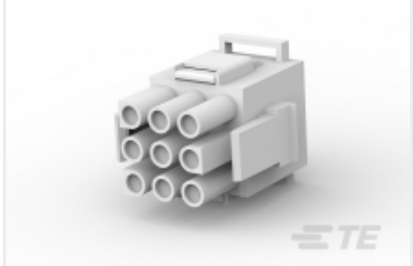
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15P UMNLII IN-LNE PLUG HSG KIT



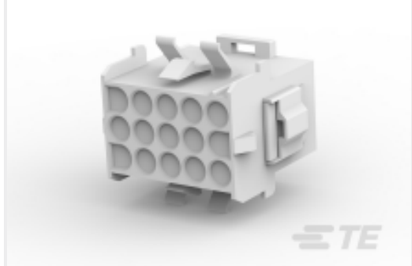
TE Part # 770024-1

02P UMNLII IN-LINE CAP HSG KIT



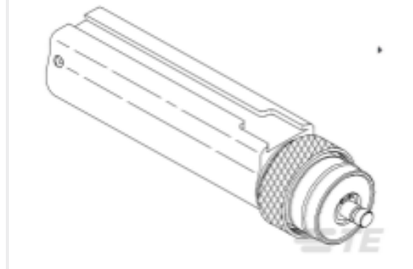
TE Part # 770021-1

09P UMNLII IN-LNE PLUG HSG KIT



TE Part # 770030-1

15P UMNLII IN-LINE CAP HSG KIT



TE Part # 91500-3

CCII UNML UNML II PIN SKT 20-14 HEAD

Also in the Series | Universal MATE-N-LOK



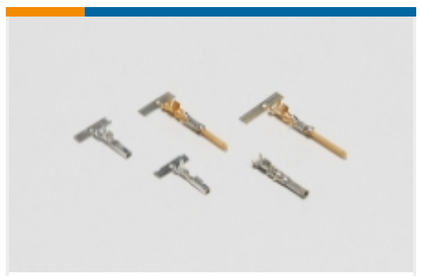
Circular Power Connectors(2)



Connector Contacts(11)



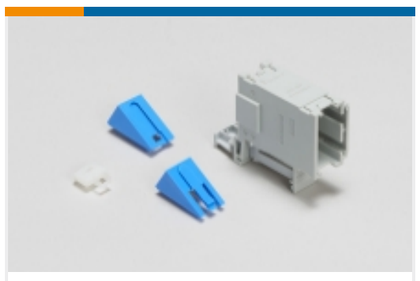
Insertion & Extraction Tools(4)



Power Contacts(207)



Rectangular Boots & Strain Relief(35)



Rectangular Connector Adapters(7)



Rectangular Connector Housings(2)



Rectangular Connector Keying Plugs(3)



Rectangular Connector Locking(4)



Rectangular Connector Seals(26)

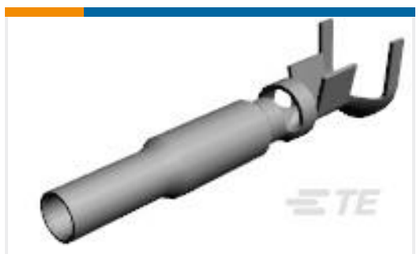


Rectangular Power Connectors(725)

Customers Also Bought



TE Part #1-770248-0
UMNL II PIN SN/AUNI/BR LP



TE Part #1-770249-0
UMNL II SOK SN/AUNI/PHBZ LP



TE Part #102394-6
16 AMP MODU MT HSG DR .100CL



TE Part #1658528-8
636-5041LF FEM SOCKT,LEAD FREE



TE Part #2-87499-4
13 MODIV HSG COMP SR .100CL



TE Part #WM-6S
DEUTSCH DTM WEDGELOCKS



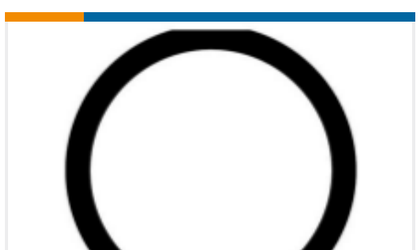
TE Part #206425-5
CPC SERIES 3



TE Part #211769-5
17-9 CPC RECEPT REV SEX



TE Part #213426-1
PLG HSG,3 POWR,12 SGNL,METRI



TE Part #16-04477
GASKET, 24SZ, BLK, HD30

Documents

Product Drawings

UMNL II GROUND PIN LP 14-20

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_770254-1_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_770254-1_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_770254-1_E.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