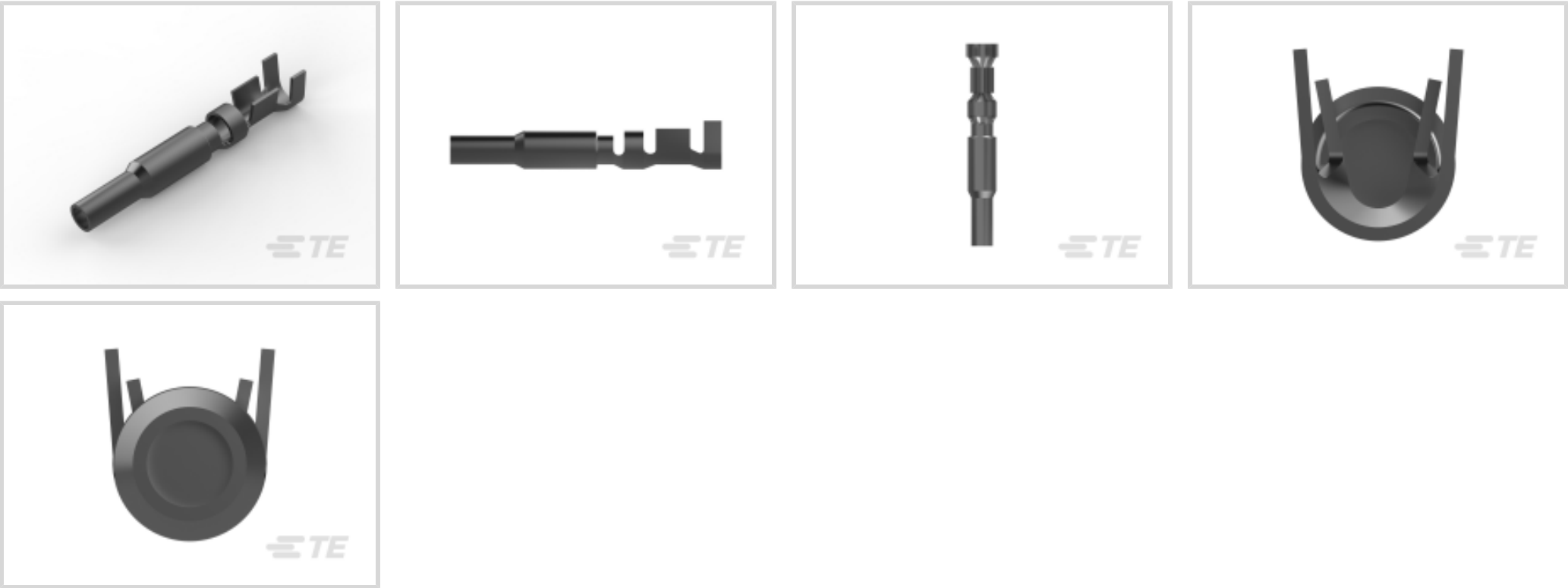




Connectors > Power Connectors > Power Contacts



Product Type: **Contact**
Operating Voltage: **600 VAC**
Wire Size: **.5 – 2 mm²**
Connector System: **Wire-to-Wire**

Features

Product Type Features

Product 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 Current Rating (Max)	7 A
Contact Type	Socket
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Pre-Tin
Contact Termination Area Plating Material	Pre-Tin
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Angle	Straight

Termination Features

Termination Type	Crimp
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Mechanical Attachment



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

Dimensions

Wire Size	.5 – 2 mm ²
Mating Pin Diameter	2.18 mm[.086 in]
Accepts Wire Insulation Diameter Range	1.52 – 3.3 mm[.06 – .13 in]

Usage Conditions

Operating Temperature Range	-55 – 120 °C[-67 – 248 °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	Yes
Agency/Standard	CSA, UL
CSA File Number	LR 7189
UL Rating	Recognized
UL File Number	E28476

Packaging Features

Packaging Method	Reel
Packaging Quantity	4000

Other

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

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: JAN 2019 (197)
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 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(4)



Portable Crimp Tools(4)




Rectangular Power Connectors(15)




Spare & Wear Tooling(1)

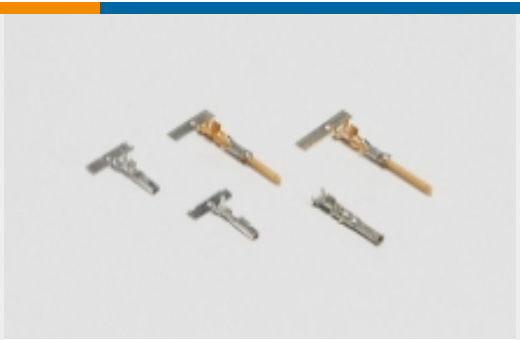
Also in the Series | Universal MATE-N-LOK




Circular Power Connectors (2)



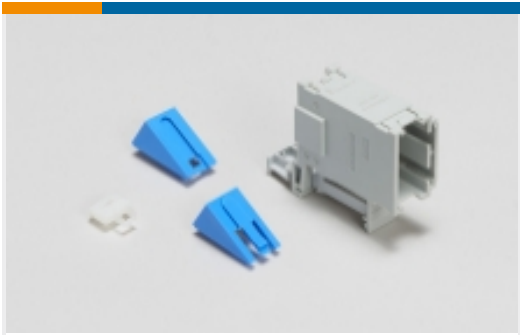
Connector Contacts(11)



Power Contacts(208)



Rectangular Boots & Strain Relief(35)



Rectangular Connector
Adapters(7)



Rectangular Connector
Housings(3)



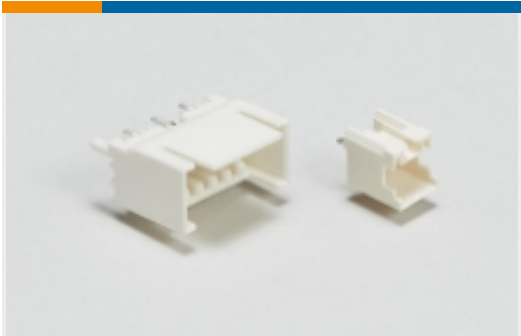
Rectangular Connector
Keying Plugs(3)



Rectangular Connector
Seals(26)



Rectangular Power
Connectors(717)



Wire-to-Board Headers &
Receptacles(3)

Customers Also Bought



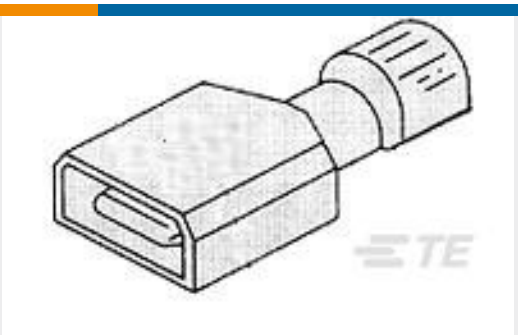
TE Part #770028-1
09P UMNLII IN-LINE CAP
HSG KIT



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



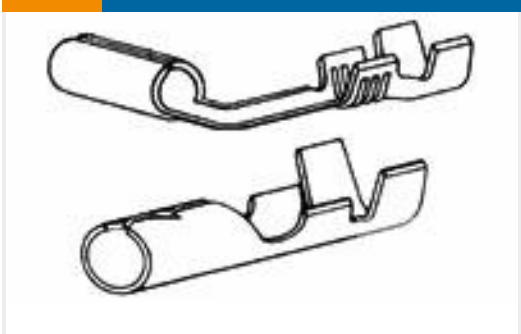
TE Part #770020-1
06P UMNLII IN-LINE PLUG
HSG KIT



TE Part #4-521097-2
ULTRA-FAST 250 ASY TAB
12-10 AWG TPBR



TE Part #770004-3
UMNL II SOK PTPPHBZ



TE Part #42142-1
SHUR PLUG TERMINAL 18-
14 AWG TPBR



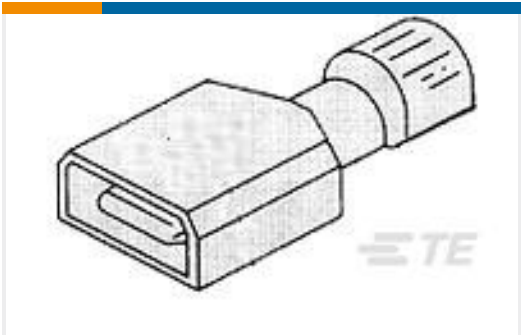
TE Part #770006-3
UMNL II SOK PTPPHBZ



TE Part #770007-1
UMNL II PIN PTPBR



TE Part #62754-1
SPLICE 14000-30000 .030
BR



TE Part #3-520106-2
ULTRA-FAST 250 ASY TAB
16-14 AWG TPBR

Documents



Product Drawings

UMNL II SOK PTPPHBZ

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_770008-3_P.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_770008-3_P.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_770008-3_P.3d_stp.zip

English

Datasheets & Catalog Pages

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English