770005-3 ✔ ACTIVE

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

TE Internal #: 770005-3

Pin Contact, Tin, 600 VAC, 20 – 14 AWG Wire Size, .5 – 2 mm² Wire Size, Crimp, Phosphor Bronze, Power, 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

Industry Standards

Compatible With Agency/Standards Products	UL, VDE, CSA

Product Type Features

Discrete Wire Type	Stranded

Mechanical Attachment

Wire Insulation Support	Without

Packaging Features

Packaging Quantity	2500
Packaging Method	Reel

Dimensions

Compatible Insulation Diameter Range	3.3 – 5.08 mm[.13 – .2 in]
Wire Size	.5 – 2 mm²

Contact Features

Contact Orientation	Straight
Mating Pin Diameter	2.18 mm[.086 in]

Wire Contact Termination Area Plating Material Finish	Matte
Contact Type	Pin
Contact Mating Area Plating Material	Tin
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Retention Within Housing	Without
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	7 A

Electrical Characteristics

Operating Voltage	600 VAC

Termination Features

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

Usage Conditions

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

Operation/Application

Circuit Application	Power

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

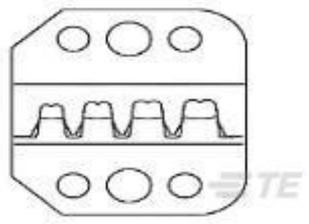
Compatible Parts



TE Part # 90547-1
ASSY PRO-CRIMPER UNIV M-N-L



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



TE Part # 90547-2
PROCRIMPER DIE ASSY UNIV MNL



TE Part # 91508-1
CCII UNML UNML II PIN SKT 20-18 ASSY



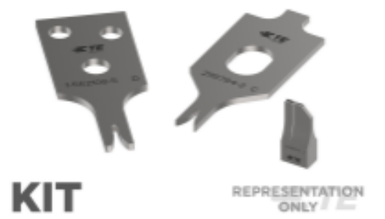
TE Part # 2266669-1
OCEAN_2.0_Applicator-S-090F200F-RSM



TE Part # 2266669-2
OCEAN_2.0_Applicator-S-090F200F-RSA



TE Part # 2305570-1
Strip Terminal Cutter-Side Feed-No Crimp



TE Part # 7-2266669-7
OCEAN_2.0_SPARE_PART_KIT-090F200F

Also in the Series | Universal MATE-N-LOK



Circular Power Connectors(2)



Connector Caps & Covers(34)



Connector Contacts(209)



Connector Hardware(12)



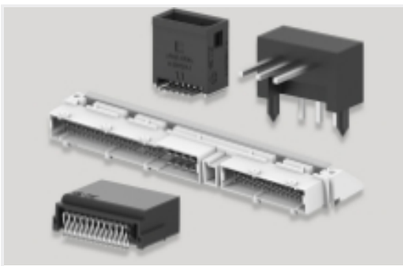
Connector Seals & Cavity Plugs(27)



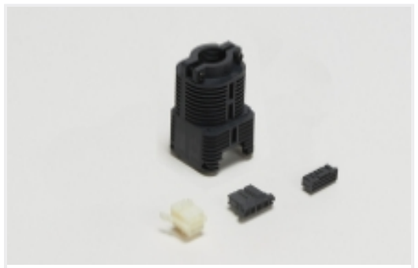
Connector Strain Relief(7)



Insertion & Extraction Tools(4)



PCB Headers & Receptacles(284)



Rectangular Connector Housings(1)



Rectangular Power Connectors(370)



Standard Circular Connectors(1)

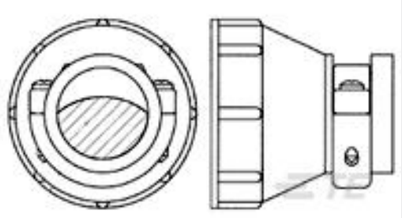
Customers Also Bought



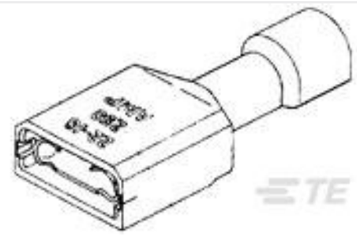
TE Part #1658670-1
PIN CONTACT,22 DF,STRIP,22-28



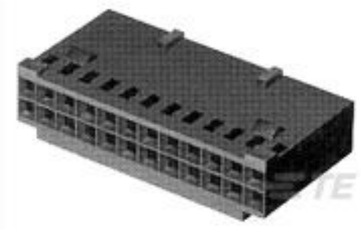
TE Part #TAA751A1611-002
M12A5-MS-PVC-1.0M



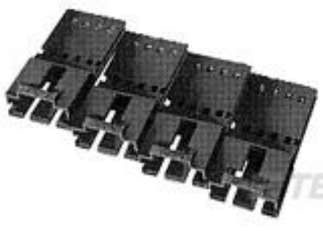
TE Part #208945-7
SZ 22 UNASSM KIT,CMC



TE Part #3-520408-2
ULTRA-FAST 250 ASY REC 16-14 AWG TPBR



TE Part #4-87631-2
50 MODIV HSG DR MRKD .100 POL



TE Part #103653-3
04 MTE SHRD PIN HSG SR LATCH



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



TE Part #5-212502-1
RECEPT ASSY,9C4,AMPLIMITE



TE Part #1558673001
100G1121-0.60-0/9-0

Documents

Product Drawings

UMNL II PIN PHBZ, PRE-TIN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_770005-3_AA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_770005-3_AA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_770005-3_AA.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