880686-2 ✔ ACTIVE

MATE-N-LOK | Commercial MATE-N-LOK

TE Internal #: 880686-2

Tin (Sn), Socket Contact, 20 – 17 AWG, 250 VAC, .52 – 1.04 mm² Wire, Locking Lance Contact Retention, Crimp, Brass, Power, Commercial MATE-N-LOK

View on TE.com >

Connectors > Contacts > Connector Contacts







Contact Type: **Socket**

Contact Mating Area Plating Material: **Tin (Sn)**

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

Operating Voltage: **250 VAC**

Contact Retention Within Housing: **With**

Features

Product Type Features

Discrete Wire Type	Stranded

Electrical Characteristics

Operating Voltage	250 VAC

Contact Features

Contact Shape & Form	Round
Barrel Type	Open
Contact Type	Socket
Contact Mating Area Plating Material	Tin (Sn)
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Retention Within Housing	With
Contact Base Material	Brass
Contact Current Rating (Max)	17 A
Mating Pin Diameter	3.56 mm[.14 in]
Wire Contact Termination Area Plating Material Finish	Matte

Contact Orientation	Straight

Termination Features

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

Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
Wire Insulation Support	With

Dimensions

Wire Size	.52 – 1.04 mm²
Compatible Insulation Diameter Range	2 – 3.3 mm[.079 – .13 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Circuit Application	Power

Industry Standards

Compatible With Agency/Standards Products	CSA, UL
UL Flammability Rating	UL 94V-2

Packaging Features

Packaging Quantity	2500
Packaging Method	Reel

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

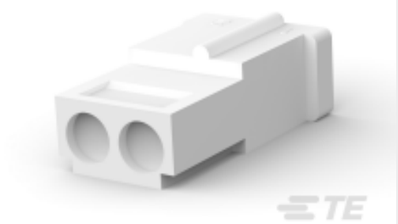
Solder Process Capability

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 # 1-480318-0
02P CMNL PLUG HSG F/H NATL



TE Part # 926102-1
2 POS M-N-L FEMALE HOUSING



TE Part # 1586305-1
09P .140 MNL PLUG BLK HT

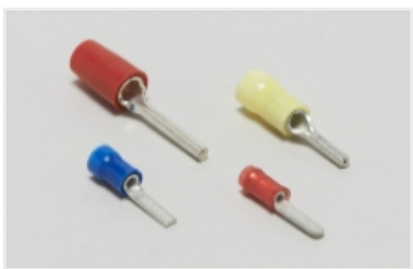


TE Part # 880684-2
.140 DIA PIN

Also in the Series | Commercial MATE-N-LOK



Connector Contacts(150)



Crimp Wire Pins, Tabs & Ferrules(2)



Power Contacts(146)



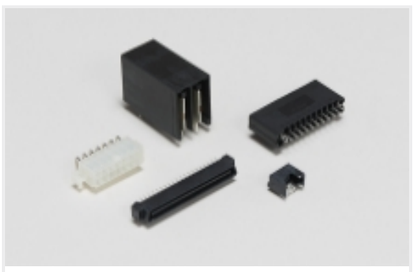
Rectangular Connector Housings(118)



Rectangular Power Connectors(181)



Standard Circular Connectors(2)



Standard Rectangular Connectors(126)

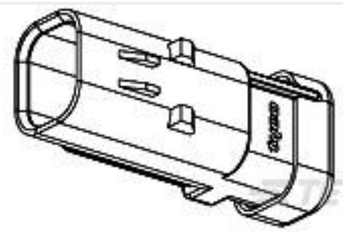
Customers Also Bought



TE Part #1011-241-0605
BKSHL, 6P, BLK, REC, ST, NW8.5/10/13



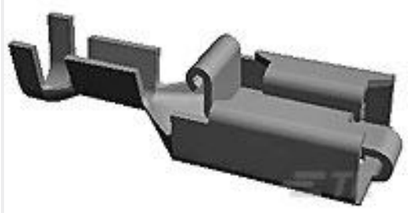
TE Part #735222-2
FF 250 REC 1.0-2.5 MM2 0.32X 19.30 BR



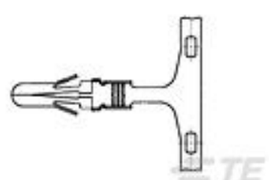
TE Part #776430-1
AS16,CAP ASSY,ST,03P,N SEAL,CODE A



TE Part #880310-1
2 WAY FF 250 HOUSING TAB NYLON 6.6 NAT



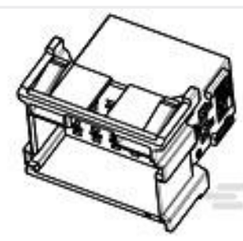
TE Part #880646-5
PL REC 0.5-1.0 MM2 0.40 X 52.32 PTPBR



TE Part #880685-2
.140 DIA PIN



TE Part #964326-1
SPT A REC 6.3 Contact SRC Sn



TE Part #1-967626-4
TAB HOUSING, 2,8MM 9 POS.



TE Part #444442-2
RELAY ADAPTOR

TE Part #9-2133757-0
2W ABS CABLE ASSY 12.700

Documents

Product Drawings

.140 DIA SOCKET

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_880686-2_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_880686-2_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_880686-2_D.3d_stp.zip

English

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Product Specifications

Application Specification

English