647662-1 ✔ ACTIVE

Economy Power

TE Internal #: 647662-1

Tin (Sn), Socket Contact, 250 VAC, 250 VDC, .3 – .89 mm² Wire, Locking Lance Contact Retention, Discrete Wire, Crimp, Phosphor Bronze, Economy Power

View on TE.com >

Connectors > Contacts > Connector Contacts







Contact Type: **Socket**

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

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

Operating Voltage: **250 VDC**

Features

Configuration Features

Compatible With Wire & Cable Type	Discrete Wire

Electrical Characteristics

Contact Resistance	20 mΩ
Operating Voltage	250 VDC

Contact Features

Barrel Type	Open
Contact Length	10.6 mm[.417 in]
Contact Type	Socket
Contact Mating Area Plating Material	Tin (Sn)
Wire Contact Termination Area Plating Material	Tin
Contact Retention Within Housing	With
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	8 A

Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Printed Circuit Board

Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance

Dimensions

Wire Size	.3 – .89 mm²
Compatible Insulation Diameter Range	1.7 – 3 mm[.066 – .118 in]

Usage Conditions

Operating Temperature Range	-25 – 105 °C[-13 – 221 °F]

Operation/Application

For Multiple Crimp	No
Circuit Application	Power

Packaging Features

Packaging Quantity	4000
Packaging Method	Box

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 # 2151113-1
OCEAN_2.0_APPLICATOR-S-070F102F-RSM

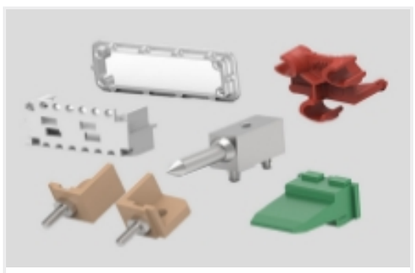


TE Part # 2151113-2
OCEAN_2.0_APPLICATOR-S-070F102F-RSA

Also in the Series | Economy Power



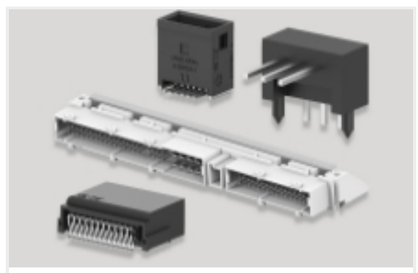
Connector Contacts(15)



Connector Hardware(2)



Insertion & Extraction Tools(1)



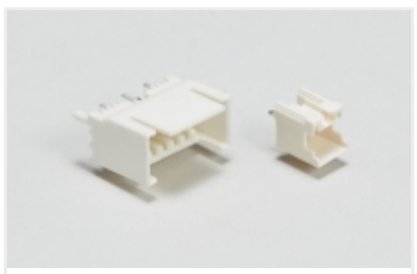
PCB Headers & Receptacles(483)



Power Contacts(9)



Rectangular Power Connectors(581)



Wire-to-Board Headers & Receptacles (483)

Customers Also Bought



TE Part #60650-1
250 FASTON FLAG REC 18-14 AWG BR



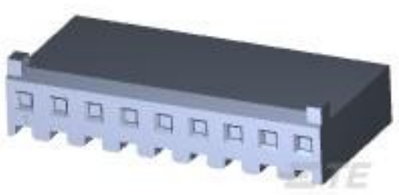
TE Part #63127-1
250 FASTON REC 22-18 AWG BR



TE Part #176498-1
POSITIVE LOCK 187 (4.8 MM) HOUSING



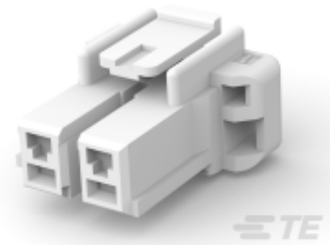
TE Part #3-647449-1
SL156 RCPT,SPCL LUBE, LF



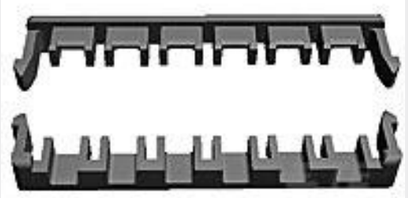
TE Part #770849-9
09P SL156 HSG W/LCK RMP & TABS



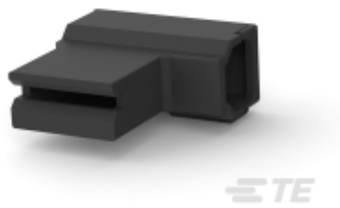
TE Part #794537-1
09P UMNL PLUG HSG 150C BLK



TE Part #CAT-P8704-P729
STD Temp Power Key Plug



TE Part #1376397-1
5MM POWER KEY D/L PLATE GREEN



TE Part #1969657-1
250 FASTON HSG.,FLAG,REC.,1 POS, BLACK

Documents

Product Drawings

EP CONN CONT LUBRICANT SPCL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_647662-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_647662-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_647662-1_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

Application Specification

Japanese

Application Specification

English