6-177904-1 ✔ ACTIVE

Power Double Lock

TE Internal #: 6-177904-1

10 Position, Plug, Housing, Crimp, Wire-to-Wire, UL 94V-0, 3.96 mm [.156 in] Centerline, 2 Row, 300 VAC, Wire & Cable, Power, Power Double Lock

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors > Glow Wire Power Double Lock Plug







Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

Termination Method to Wire & Cable: **Crimp**

Connector System: **Wire-to-Wire**

Contact Retention Within Housing: **Without**

All Glow Wire Power Double Lock Plug (54)

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	10
Number of Rows	2
Number of Power Positions	10
Number of Signal Positions	0

Electrical Characteristics

Operating Voltage	300 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Retention Within Housing	Without
Contact Type	Receptacle

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	3.96 mm[.156 in]
Housing Material	Nylon 6/6

Dimensions

Row-to-Row Spacing	4.6 mm[.181 in]

Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

Operation/Application

Circuit Application	Power

Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	GWT 750°C (Without Flame)

Packaging Features

Packaging Quantity	150
Packaging Method	Bag

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	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed 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 # CAT-P87024-T111
Power Double Lock Tab



TE Part # CAT-P87024-R2435
Power Double Lock Receptacle



TE Part # 177921-1
POWER D/LOCK PLATE 5P NATURAL

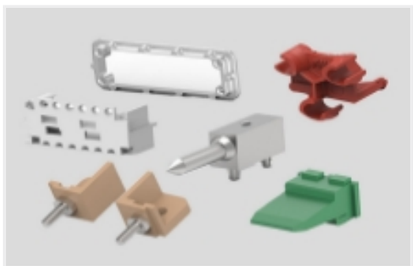


TE Part # 177912-1
POWER D/LOCK CAP HSG 10P NATU.

Also in the Series | Power Double Lock



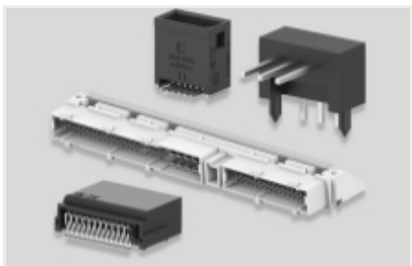
Connector Contacts(24)



Connector Hardware(13)



Insertion & Extraction Tools(2)



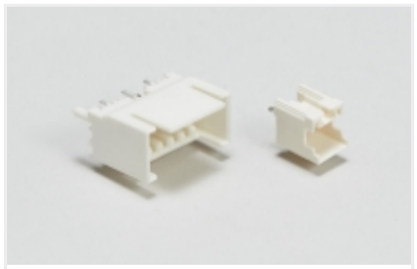
PCB Headers & Receptacles(43)



Power Contacts(24)

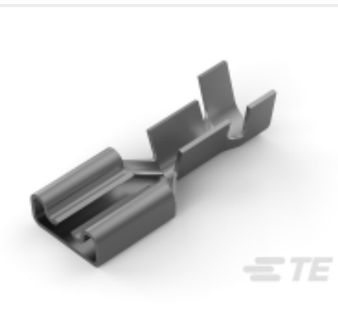


Rectangular Power Connectors(275)

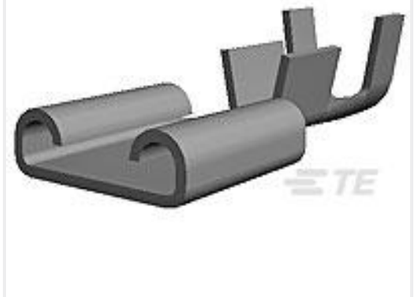


Wire-to-Board Headers & Receptacles (43)

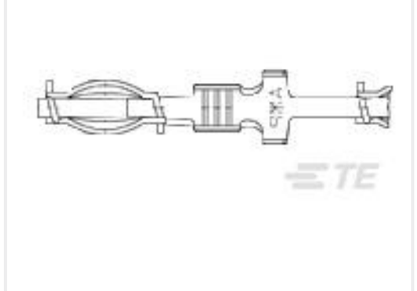
Customers Also Bought



TE Part #1-100605-2
250 FASTON,REC.,14-17AWG,PTPB



TE Part #2-160256-2
250 FASTON,REC.,17-14 AWG,TPBR



TE Part #170063-2
CLUSTER PIN REC



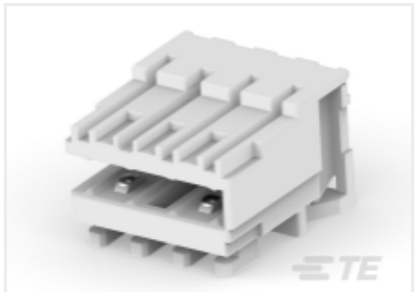
TE Part #CAT-T4827-T273
TIMER, RECEPTACLE AND TAB



TE Part #8-1241961-2
STD TIM HOUSING MKII 2POS



TE Part #3-1534798-3
AMP DUOPLUG MK2 CONNECTOR 3P SELECTIVE



TE Part #4-1534798-3
DUOPLUG MK II SELECTIVE LOADED



TE Part #2825340-1
PDL 2P PLUG HSG 3.96MM (GWT)

Documents

Product Drawings

POWER D/LOCK PLUG HSG 10P(GWT)

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-177904-1_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6-177904-1_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6-177904-1_H.3d_stp.zip

English

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

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (non U.S.)

English

AMP POWER DOUBLELOCK CONNECTOR SERIES

English

Agency Approvals

UL

English