



Power Double Lock

TE Internal #: 177904-1
Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 10 Position, .156 in [3.96 mm] Centerline, Wire & Cable, UL 94V-0, Power Double Lock

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors > STD Temp Power Double Lock Plug



Rectangular Power Connector Type: **Housing**
Connector & Housing Type: **Plug**
Connector System: **Wire-to-Wire**
Number of Positions: **10**
Centerline (Pitch): **3.96 mm [.156 in]**

[All STD Temp Power Double Lock Plug \(68\)](#)

Features

Product Type Features

Rectangular Power Connector 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

Electrical Characteristics

Operating Voltage	300 VAC
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Contact Features

Contact Layout	Matrix
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Contact Retention Within Housing	Without
Contact Type	Receptacle

Termination Features

Termination Method to Wire & Cable	Crimp
Wire/Cable Type	Discrete Wire
Wire Type	Stranded

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

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

Dimensions

Row-to-Row Spacing	4.6 mm[.181 in]
Height	9.2 mm
Accepts Wire Insulation Diameter Range	3.1 mm
Width	10.6 mm
Length	20.6 mm

Usage Conditions

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

Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
VDE Tested	Yes
Agency/Standard	CSA, UL

Packaging Features

Packaging Method	Bag
Packaging Quantity	150

Other

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For Use With	Cap: 179467, Contacts: 177914 or 177915, Double Lock Plate
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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 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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

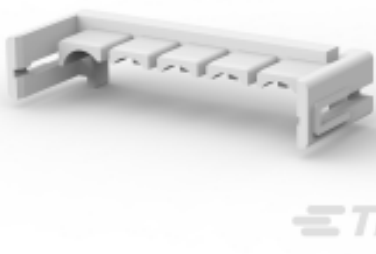
Product Compliance Disclaimer

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 # 177912-1 POWER D/LOCK CAP HSG 10P NATU.	 TE Part # CAT-P87024-R2435 Power Double Lock Receptacle	 TE Part # 179593-1 AMP POWER D/LOCK RECCONT. L/P	 TE Part # 179592-2 POWER D/LOCK REC CONT. H/P L/P
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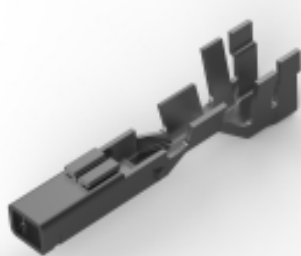




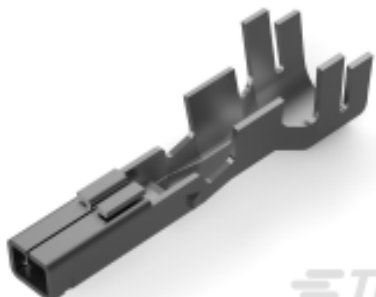
TE Part # 177921-1
POWER D/LOCK PLATE 5P NATURAL



TE Part # CAT-P87024-C1701A
Glow Wire Power Double Lock Cap



TE Part # 179592-1
AMP POWER D/LOCK REC CONT. L/P



TE Part # 179593-2
POWER D/LOCK REC CONT. H/P L/P

Also in the Series | Power Double Lock



Connector Contacts(1)



Insertion & Extraction Tools(2)



Power Contacts(23)



Rectangular Connector Locking(14)



Rectangular Power Connectors(284)

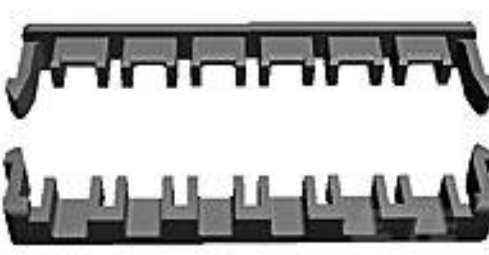
Customers Also Bought



TE Part #177913-1
STD Temp Power Double Lock Cap



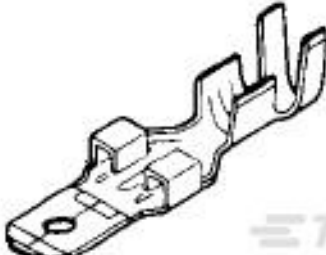
TE Part #177905-1
STD Temp Power Double Lock Plug



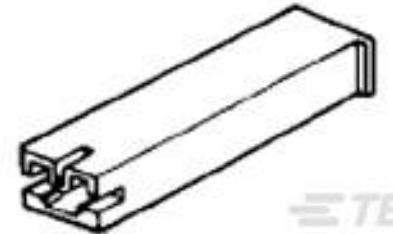
TE Part #1376394-1
5MM POWER KEY D/L PLATE GREEN



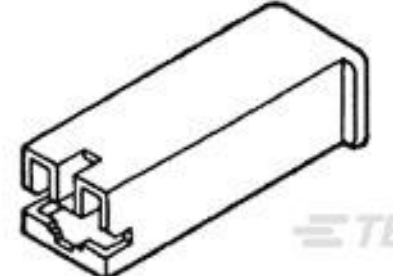
TE Part #177920-1
POWER DBL LOCK PLATE 3.96MM 4POS



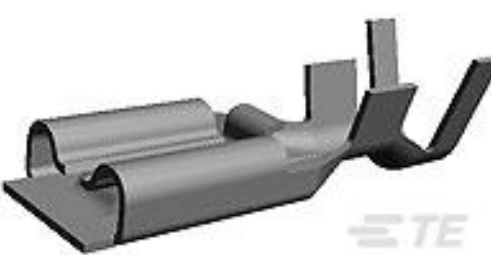
TE Part #175179-1
187 PL MII TAB. 22-16 AWG PTBR



TE Part #172074-1
187 HSG. PLMKII REC. NAT



TE Part #2-172076-1
250 HSG. PL MKII REC. NAT



TE Part #175032-1
PL 187 REC 26-20 AWG 0.30 X 14.0 SS



Documents

Product Drawings

POWER D/LOCK PLUG HSG 10P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_177904-1_J.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_177904-1_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_177904-1_J.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_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Product Specification

English

Product Environmental Compliance

MD_177904-1_06062018813_dmtec

English

MD_177904-1_06062018813_dmtec

English

Instruction Sheets

Instruction Sheet (non U.S.)

English

AMP POWER DOUBLELOCK CONNECTOR SERIES

English

Agency Approvals

UL Report

English