



Power Double Lock

TE Internal #: 177901-6
Housing, Plug, Wire-to-Wire, 6 Position, 3.96 mm [.156 in]
Centerline, Wire & Cable, UL 94V-0, Power Double Lock,
Rectangular Power Connectors

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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: **6**
Centerline (Pitch): **3.96 mm [.156 in]**

[All STD Temp Power Double Lock Plug \(66\)](#)

Features

Product Type Features

Compatible With Discrete Wire Type	Stranded
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	6
Number of Power Positions	0
Number of Signal Positions	0
Number of Rows	2

Electrical Characteristics

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Operating Voltage	300 VAC
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Contact Features

Contact Layout	Matrix
Contact Retention Within Housing	Without
Contact Type	Receptacle

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

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

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

Dimensions

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

Compatible With Agency/Standards Products	UL
Compatible With Approved Standards Products	UL 1977
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	200
Packaging Method	Bag

Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

EU RoHS Directive 2011/65/EU	Compliant
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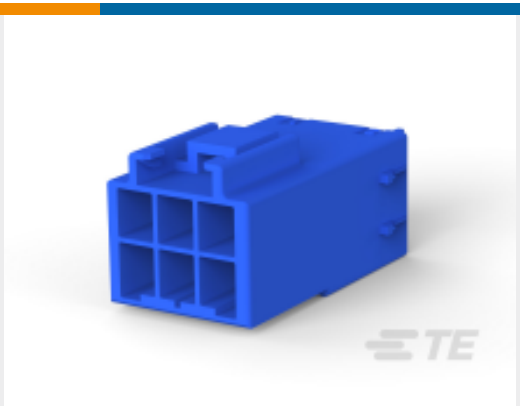


EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	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 # CAT-P87024-R2435 Power Double Lock Receptacle	 TE Part # 179593-1 AMP POWER D/LOCK RECONT. L/P	 TE Part # 179592-1 AMP POWER D/LOCK REC CONT. L/P	 TE Part # 179592-2 POWER D/LOCK REC CONT. H/P L/P
 TE Part # 179593-2 POWER D/LOCK REC CONT. H/P L/P	 TE Part # 177909-6 POWER DBL LOCK CAP HSG P/M 6P	 TE Part # 179466-6 AMP POWER DBL LOCK CAP HSG 6P	 TE Part # 179841-6 AMP POWER D/LOCK T/HDR ASSY 6P



TE Part # 179853-6
AMP POWER D/LOCK TAB HDR 6P V

Also in the Series | Power Double Lock

Connector Contacts(24)

Connector Hardware(14)

Insertion & Extraction Tools(2)

PCB Headers & Receptacles(43)

Rectangular Power Connectors(240)

Customers Also Bought

TE Part #DT04-2P
REC, 2P, GRY, N

TE Part #DT06-2S
PLG, 2P, GRY, N

TE Part #W2S
Wedgelocks: DEUTSCH DT

TE Part #0460-202-16141
DEUTSCH Solid Contacts

TE Part #282080-1
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING

TE Part #281934-2
SINGLE WIRE SEAL

TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



Documents

Product Drawings

POWER DBL LOCK PLUG HSG 6P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_177901-6_S.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_177901-6_S.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_177901-6_S.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

Application Specification

English

Instruction Sheets

Instruction Sheet (non U.S.)

English

AMP POWER DOUBLELOCK CONNECTOR SERIES

English

Agency Approvals

CSA Certificate

English