



Power Double Lock

TE Internal #: 177899-1
Rectangular Power Connectors, Housing, Plug, Wire-to-Board /
Wire-to-Wire / Wire-to-Panel, 3 Position, 3.96 mm [.156 in]
Centerline, Power Double Lock

[View on TE.com >](#)

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-Board, Wire-to-Panel, Wire-to-Wire**

Number of Positions: **3**

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-Board, Wire-to-Panel, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	3
Number of Power Positions	0
Number of Signal Positions	0
Number of Rows	1

Electrical Characteristics

--	--



Operating Voltage	300 VAC
-------------------	---------

Contact Features

Contact Layout	Inline
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 Color	Natural
Housing Material	Nylon 6/6

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
---------------------	----------------

Industry Standards

Compatible With Agency/Standards Products	CNR, USR
Compatible With Approved Standards Products	CSA/C22.2 No. 182.3-M1987, UL 1977
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	400
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: JAN 2024
(240)
Candidate List Declared Against: JAN 2024
(240)
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

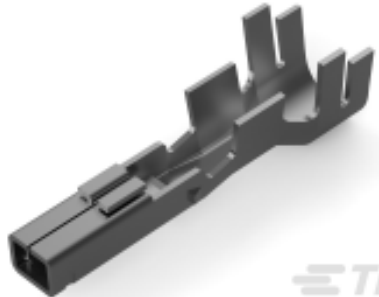
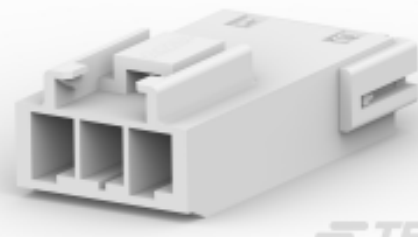
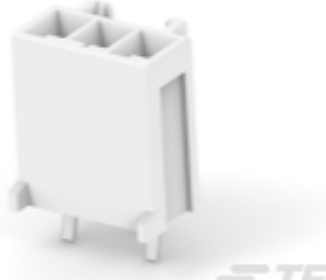
Product Compliance Disclaimer

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-H342 STD Temp Power Double Lock Header	 TE Part # 368571-1 PDL 3P PLUG 3.96(GWT) NAT	 TE Part # CAT-P87024-R2435 Power Double Lock Receptacle	 TE Part # 177907-1 POWER DBL LOCK CAP P/M 3P
 TE Part # 179593-1 AMP POWER D/LOCK RECCONT. L/P	 TE Part # 179464-1 POWER DBL LOCK CAP HSG F/H 3P	 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

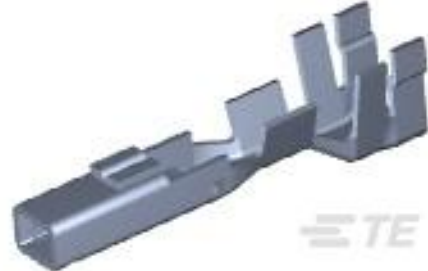
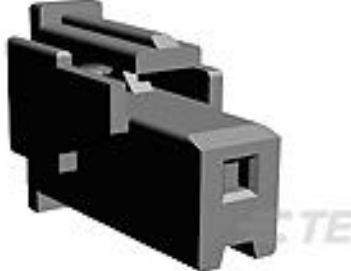


 TE Part # 179593-2 POWER D/LOCK REC CONT. H/P L/P	 TE Part # 5-177907-1 POWER DBL LOCK CAP P/M 3P(GWT)	 TE Part # 5-179464-1 POWER DBL LOCK CAP HSG F/H 3P (GWT)	 TE Part # 1-179844-1 PDL 2P HDR 7.92 SR V/T ASSY NAT
 TE Part # 179851-1 AMP POWER D/LOCK TAB HDR 3P V	 TE Part # 5-179851-1 AMP POWER D/LOCK TAB HDR 2P V	 TE Part # 5-179851-9 AMP POWER D/LOCK TAB HDR 2P V	

Also in the Series | Power Double Lock

 Connector Contacts(24)	 Connector Hardware(14)	 Insertion & Extraction Tools(2)	 Rectangular Power Connectors(283)
---	---	--	--

Customers Also Bought

 TE Part # 179465-1 AMP POWER DBL LOCK CAP HSG 4P	 TE Part # 177901-1 POWER DBL LOCK PLUG HSG 6P	 TE Part # 177914-1 AMP POWER DBL LOCK REC (S)	 TE Part # 521368-1 ULTRA-POD 250 ASSY REC 22-18 AWG BR
 TE Part # 3-1123823-1 EP IP PLUG BLUE	 TE Part # 4-1123823-1 EP 1P PLUG RED	 ANVIL, COMBINATION	 TE Part # 63931-2 187 FASTON REC 22-18 AWG BR



Documents

Product Drawings

POWER DBL LOCK PLUG HSG 3P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_177899-1_P.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_177899-1_P.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_177899-1_P.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