177898-1 ✔ ACTIVE

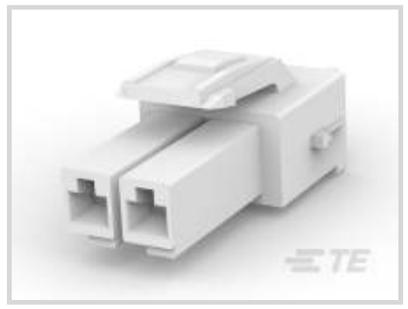
Power Double Lock

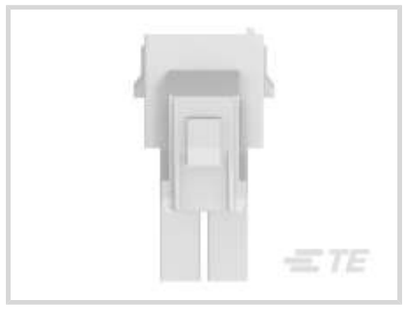
TE Internal #: 177898-1

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire / Wire-to-Board / Wire-to-Panel, 2 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: **2**

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

All STD Temp Power Double Lock Plug (67)

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	2
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

Agency/Standard	CNR, USR
Approved Standards	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	500
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 2023 (235) Candidate List Declared Against: JAN 2023 (233)

	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 # 179838-1
AMP POWER D/LOCK T/HDR ASSY 2P

TE Part # 2005247-1
PDL 2P PLUG 3.96(GWT) NAT

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

TE Part # 177906-1
POWER DBL LOCK CAP HSG P/M 2P

TE Part # 179593-1
AMP POWER D/LOCK RECCONT. L/P

TE Part # 179463-1
POWER DBL LOCK CAP HSG F/H 2P

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

TE Part # 2238096-1
AMP POWER DBL LOCK CONN, REC. CONTACT

TE Part # 176282-3
UP, FREE HANGING CAP HSG 2POS

TE Part # 176282-5
UP, FREE HANGING CAP HSG 2POS

TE Part # 176282-7
UP, FREE HANGING CAP HSG 2POS

TE Part # 176282-8
UP, FREE HANGING CAP HSG 2POS

TE Part # 179850-1
AMP POWER D/LOCK TAB HDR 2P V

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 #177908-1
STD Temp Power Double Lock Cap

TE Part #177900-1
STD Temp Power Double Lock Plug

TE Part #177915-2
AMP POWER DBL LOCK REC

TE Part #177916-1
AMP POWER DBL LOCK TAB (S)

TE Part #177906-2
POWER DBL LOCK CAP P/M 2P RED

TE Part #170120-1
MATE-N-LOK SOCKET 2

Documents

Product Drawings

POWER DBL LOCK PLUG HSG 2P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_177898-1_S.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_177898-1_S.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_177898-1_S.3d_stp.zip

English

Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance Document

English

Product Compliance Document

English

Instruction Sheets

Instruction Sheet (non U.S.)

English

AMP POWER DOUBLELOCK CONNECTOR SERIES

English

Agency Approvals

CSA Certificate

English