

177899-1 ✓ ACTIVE



Power Double Lock

TE Internal #: 177899-1

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire / Wire-to-Board / 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 \(67\)](#)

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

Electrical Characteristics



Operating Voltage	300 VAC
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Contact Features

Contact Layout	Inline
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	Natural
Housing Material	Nylon 6/6

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

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	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: 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 # 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 # 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 # 179464-1
POWER DBL LOCK CAP HSG F/H 3P



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 (GWT)

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(1)



Insertion & Extraction Tools(2)



Power Contacts(23)




Rectangular Connector Locking(14)



Rectangular Power Connectors(284)

Customers Also Bought



TE Part #316768-1
STD Temp Power Double Lock Plug



TE Part #177914-1
AMP POWER DBL LOCK REC (S)



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



TE Part #316770-1
AMP POWER DBL LOCK 1P PLATE



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

Product Environmental Compliance

MD_177899-1_111620181045_dmtec

English

MD_177899-1_111620181045_dmtec

English

Instruction Sheets

Instruction Sheet (non U.S.)

English

AMP POWER DOUBLELOCK CONNECTOR SERIES



English

[Agency Approvals](#)

[CSA Certificate](#)

English