

177906-1 ✓ ACTIVE



## Power Double Lock

TE Internal #: 177906-1

Housing, Receptacle, Wire-to-Board / Wire-to-Panel / Wire-to-Wire,  
2 Position, Power Double Lock, Rectangular Power Connectors

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

Connector System: **Wire-to-Board, Wire-to-Panel, Wire-to-Wire**

Number of Positions: **2**

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

### Features

#### Product Type Features

Compatible With Discrete Wire Type	Stranded
Rectangular Power Connector Type	Housing
Connector & Housing Type	Receptacle
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 Power Positions	0
Number of Signal Positions	0
Number of Rows	1

#### Electrical Characteristics

Operating Voltage	300 VAC
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#### Contact Features

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Contact Layout	Inline
Contact Retention Within Housing	Without
Contact Type	Tab

#### Termination Features

Termination Method to Wire & Cable	Crimp
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#### Mechanical Attachment

Panel Mount Feature	With
Panel Mount Feature Type	Latches
Connector Mounting Type	Panel Mount

#### Housing Features

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

#### Dimensions

Panel Thickness (Recommended)	.8 – 2 mm[.031 – .078 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 E28476
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](https://www.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 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-P729  
STD Temp Power Double Lock Plug



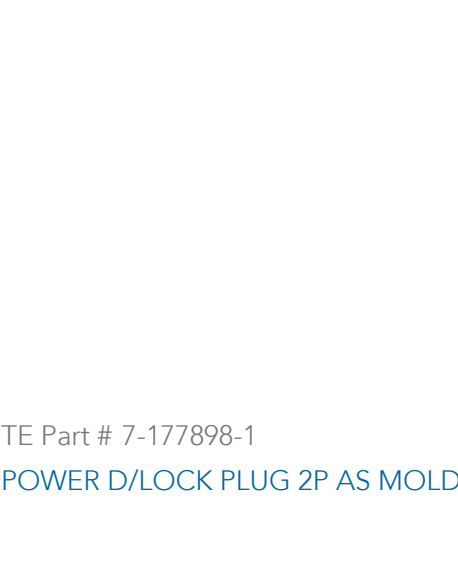
TE Part # CAT-P87024-T111  
Power Double Lock Tab



TE Part # 2005249-1  
PDL 2P CAP 3.96 P/M(GWT) NAT



TE Part # 5-177898-1  
POWER DBL LOCK PLUG HSG 2P (GWT)



TE Part # 7-177898-1  
POWER D/LOCK PLUG 2P AS MOLD

### Also in the Series | Power Double Lock



Connector Contacts(24)



Connector Hardware(14)



Insertion &amp; Extraction Tools(2)



Rectangular Power Connectors(283)

## Customers Also Bought

TE Part #177908-1  
STD Temp Power Double Lock CapTE Part #1971787-2  
PTL RECEPTACLE CONTACT, 2X18  
AWGTE Part #177903-1  
POWER DBL LOCK PLUG HSG 9PTE Part #177920-1  
POWER DBL LOCK PLATE 3.96MM  
4POSTE Part #9-146256-0  
80 MODII HDR DRST B/A .100CL LFTE Part #1969442-7  
EP 2.5 TPA Housing, 7 PosTE Part #1969588-2  
HSG, REC, FREE-HANGING, SINGLE  
ROW, EP2.5TE Part #7-1768397-0  
LBF-3274697A

## Documents

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_177906-1\\_W.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_177906-1\\_W.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_177906-1\\_W.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



## 1773458-5\_POWER\_DBL\_LOCK\_(PDL)\_CONNECTORS

English

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### Product Specifications

#### Application Specification

English

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### Instruction Sheets

#### Instruction Sheet (non U.S.)

English

#### AMP POWER DOUBLELOCK CONNECTOR SERIES

English

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### Agency Approvals

#### CSA Certificate

English