



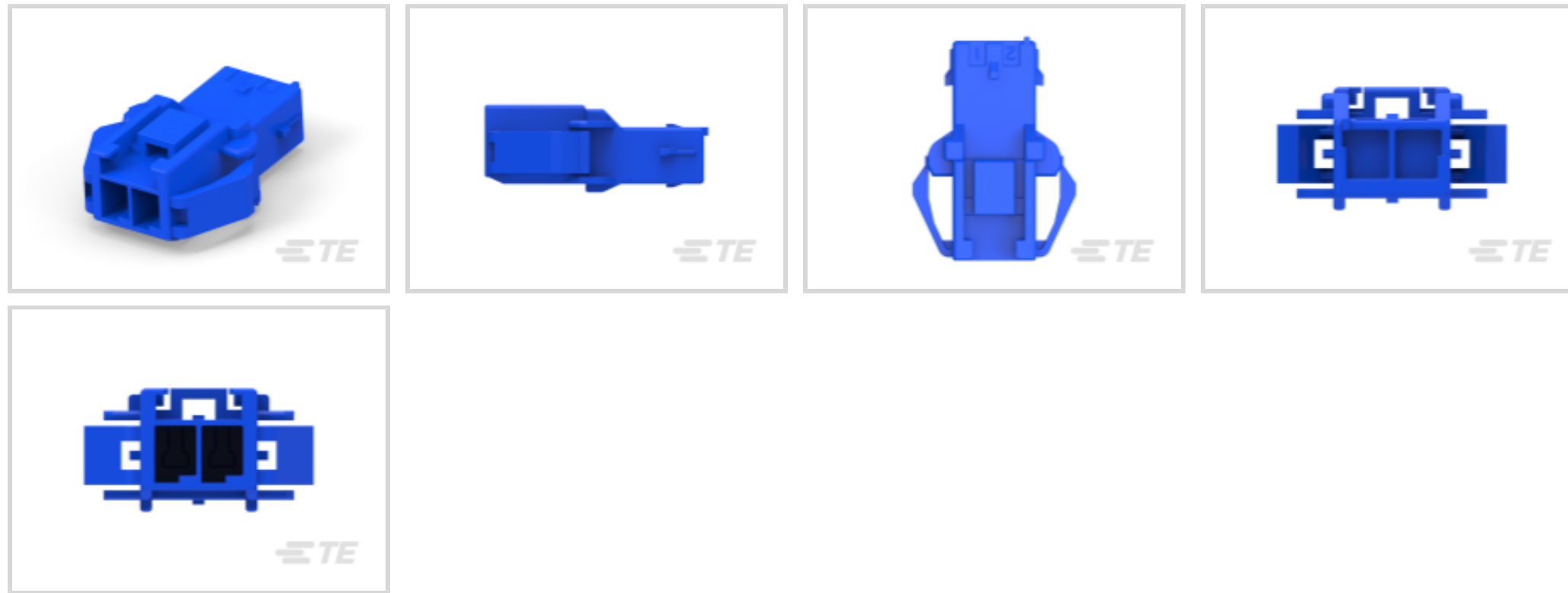
**Power Double Lock**

TE Internal #: 177906-6

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

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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 |
|-------------------|---------|

**Contact Features**

|  |  |
|--|--|
|  |  |
|--|--|



|                                  |         |
|----------------------------------|---------|
| Contact Layout                   | Inline  |
| Contact Retention Within Housing | Without |
| Contact Type                     | Tab     |

#### Termination Features

|                                    |       |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

#### 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      | Blue             |
| Housing Material   | Nylon 6/6        |

#### Dimensions

|                               |                           |
|-------------------------------|---------------------------|
| Panel Thickness (Recommended) | .8 – 2 mm[.031 – .078 in] |
|-------------------------------|---------------------------|

#### Usage Conditions

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

#### Operation/Application

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

#### Industry Standards

|                        |                               |
|------------------------|-------------------------------|
| Agency/Standard        | UL                            |
| Approved Standards     | 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 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<br>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-T111  
Power Double Lock Tab




TE Part # 177898-6  
POWER DBL LOCK PLUG HSG 2P



TE Part # 2005249-6  
PDL 2P CAP 3.96 P/M(GWT) BLU


### Also in the Series | Power Double Lock



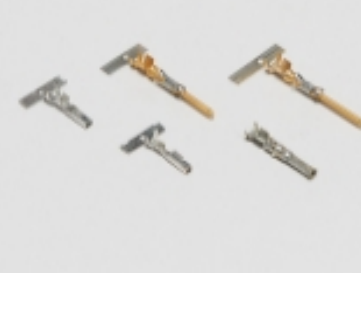
Connector Contacts(1)



Connector Hardware(14)



Insertion & Extraction Tools(2)



Power Contacts(23)



Rectangular Power Connectors(284)

## Customers Also Bought

TE Part #177908-1  
POWER DBL LOCK CAP HSG P/M 4PTE Part #177898-1  
STD Temp Power Double Lock PlugTE Part #177915-1  
AMP POWER DBL LOCK REC (L)TE Part #177907-1  
POWER DBL LOCK CAP P/M 3PTE Part #177906-1  
POWER DBL LOCK CAP HSG P/M 2P

## Documents

### Product Drawings

[POWER DBL LOCK CAP HSG P/M 2P](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_177906-6\\_V.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_177906-6\\_V.3d\\_igs.zip](#)

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Customer View Model

[ENG\\_CVM\\_CVM\\_177906-6\\_V.3d\\_stp.zip](#)

English

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**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