



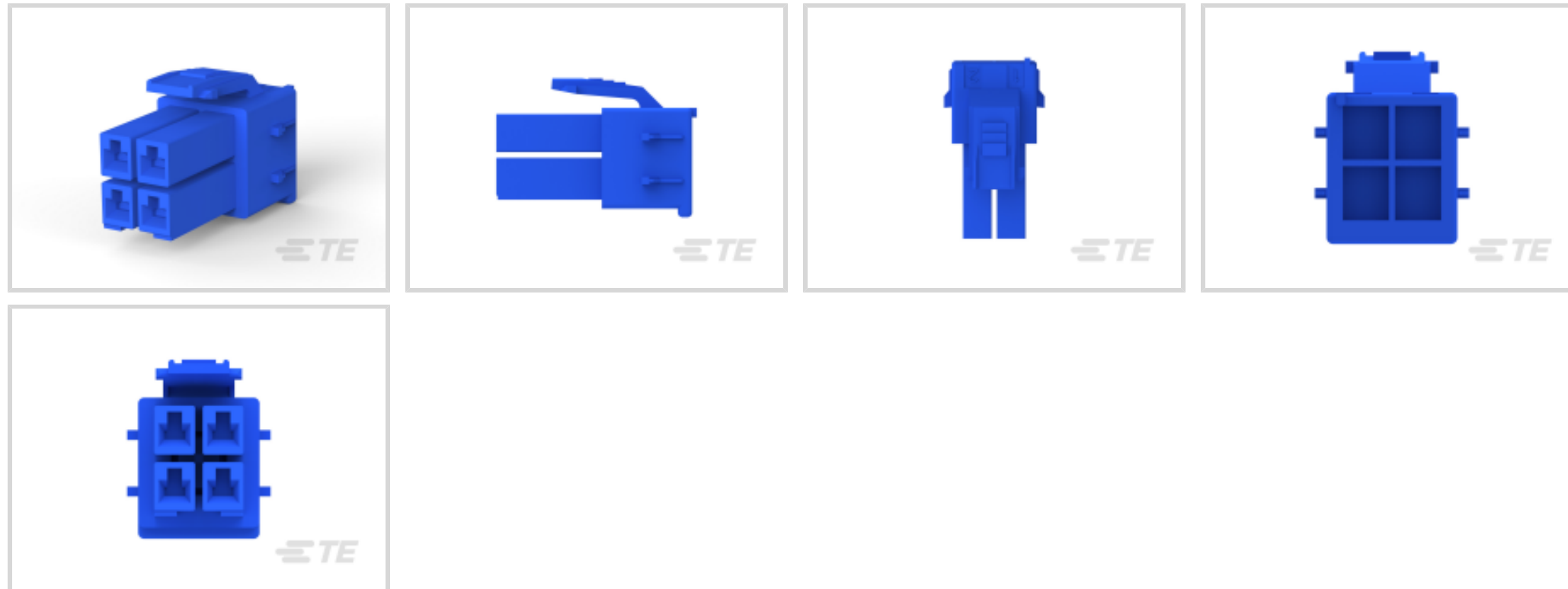
**Power Double Lock**

TE Internal #: 177900-6

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 4 Position, 3.96 mm [.156 in] Centerline, Wire & Cable, UL 94V-0, 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-Wire**

Number of Positions: **4**

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

[All STD Temp Power Double Lock Plug \(68\)](#)

**Features**

**Product Type Features**

|                                   |              |
|-----------------------------------|--------------|
| Rectangular Power Connector Type  | Housing      |
| Connector & Housing Type          | Plug         |
| Connector System                  | Wire-to-Wire |
| Sealable                          | No           |
| Connector & Contact Terminates To | Wire & Cable |

**Configuration Features**

|                            |   |
|----------------------------|---|
| Number of Positions        | 4 |
| Number of Power Positions  | 0 |
| Number of Signal Positions | 0 |
| Number of Rows             | 2 |

**Electrical Characteristics**

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



### Contact Features

|                                  |            |
|----------------------------------|------------|
| Contact Layout                   | Matrix     |
| Contact Retention Within Housing | Without    |
| Contact Type                     | Receptacle |

### Termination Features

|                                    |               |
|------------------------------------|---------------|
| Termination Method to Wire & Cable | Crimp         |
| Wire/Cable Type                    | Discrete Wire |
| Wire Type                          | Stranded      |

### Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
|-------------------------|----------------------------|

### Housing Features

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

### Dimensions

|  |                  |
|--|------------------|
| Row-to-Row Spacing                     | 4.6 mm [.181 in] |
| Accepts Wire Insulation Diameter Range | 3.1 mm           |

### Usage Conditions

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

### Operation/Application

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

### Industry Standards

|                        |                               |
|------------------------|-------------------------------|
| UL Flammability Rating | UL 94V-0                      |
| Glow Wire Rating       | Standard Part - Not Glow Wire |
| VDE Tested             | Yes                           |
| Agency/Standard        | CSA, UL                       |

### Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Method   | Bag |
| Packaging Quantity | 300 |

### Other

|              |  |
|--------------|--|
| For Use With | Cap: 177908 or 179465, Contacts: 177914 or 177915, Double Lock Plate, Header |
|--------------|--|



## Product Compliance




[For compliance documentation, visit the product page on TE.com>](#)

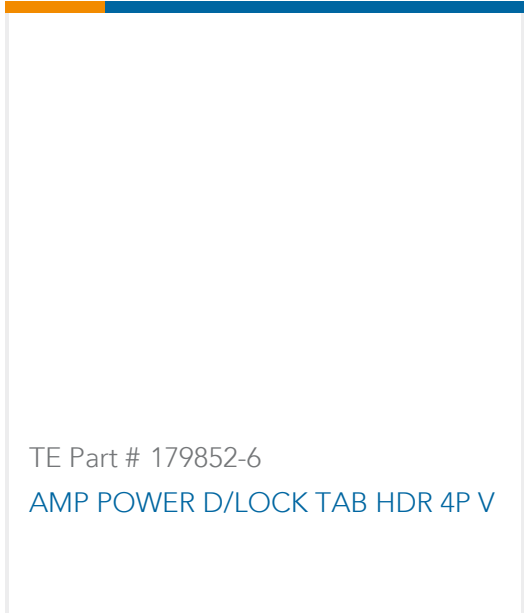
|   |   |
|---|---|
| EU RoHS Directive 2011/65/EU                  | Compliant   |
| EU ELV Directive 2000/53/EC                   | Compliant   |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold   |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2022 (224)<br>Candidate List Declared Against: JUNE 2022 (224)<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

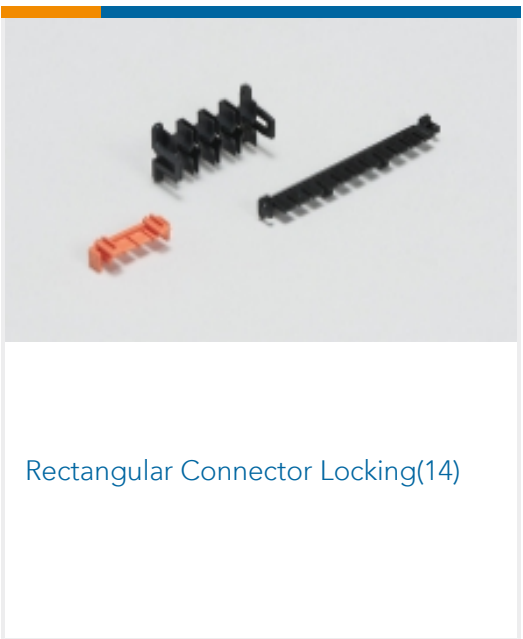
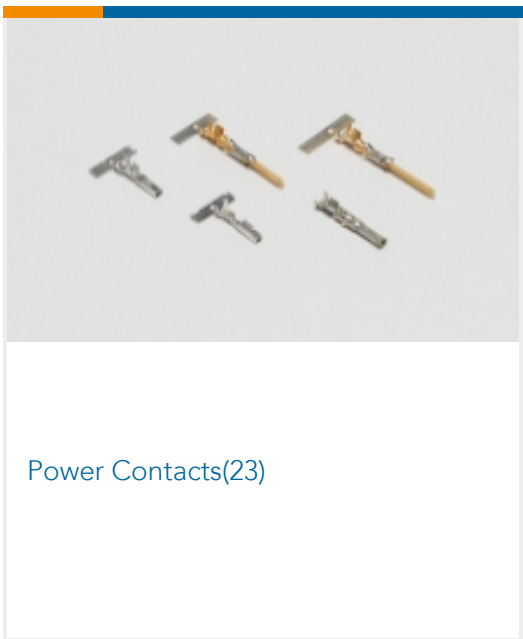
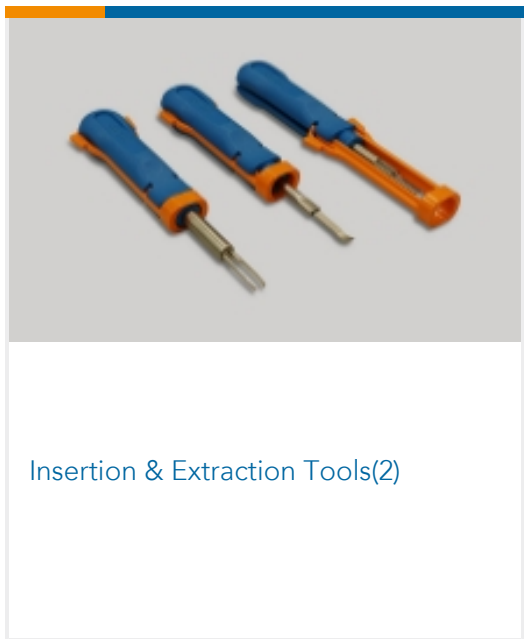
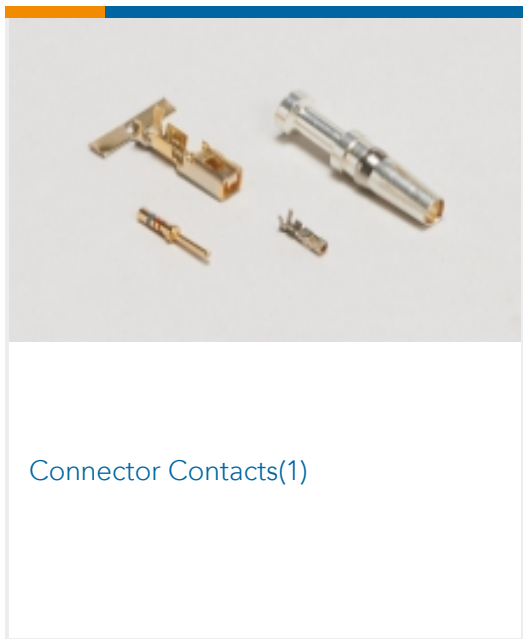
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

|  |  |  |  |
|--|--|--|--|
|  <p>TE Part # CAT-P87024-R2435<br/>Power Double Lock Receptacle</p> |  <p>TE Part # 179593-1<br/>AMP POWER D/LOCK RECCONT. L/P</p> |  <p>TE Part # 179592-2<br/>POWER D/LOCK REC CONT. H/P L/P</p> |  <p>TE Part # CAT-P87024-C1701<br/>STD Temp Power Double Lock Cap</p> |
|--|--|--|--|



Also in the Series | **Power Double Lock**



Documents

**Product Drawings**

**POWER DBL LOCK PLUG HSG 4P**

English

**CAD Files**

Customer View Model

**ENG\_CVM\_177900-6\_F.3d\_igs.zip**

English

**Customer View Model**[ENG\\_CVM\\_177900-6\\_F.3d\\_stp.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_177900-6\\_F.2d\\_dxf.zip](#)

English

**3D PDF**

English

**3D PDF**

3D

**Customer View Model**[ENG\\_CVM\\_CVM\\_177900-6\\_S.2d\\_dxf.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_CVM\\_177900-6\\_S.3d\\_igs.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_CVM\\_177900-6\\_S.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**[Product Specification](#)

English

**Instruction Sheets**[Instruction Sheet \(non U.S.\)](#)

English

[AMP POWER DOUBLELOCK CONNECTOR SERIES](#)

English

**Agency Approvals**[CSA Certificate](#)

English