



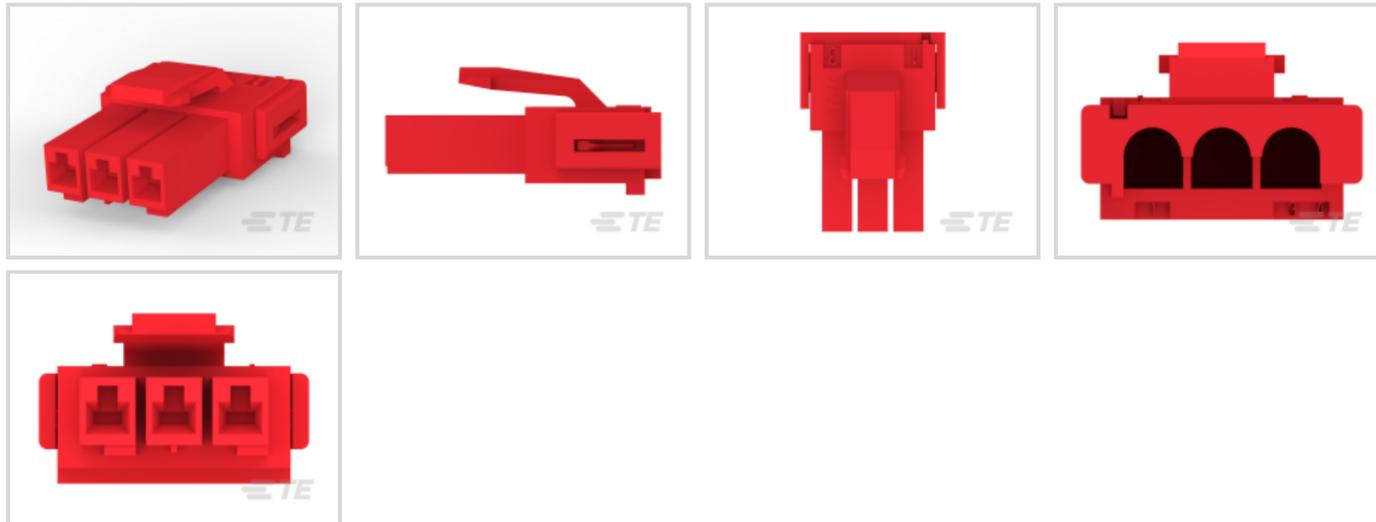
**Power Double Lock**

TE Internal #: 177899-2

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire / Wire-to-Panel / Wire-to-Board, 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 \(68\)](#)

**Features**

**Product Type Features**

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
Wire/Cable Type	Discrete Wire
Wire Type	Stranded

### Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
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### Housing Features

Centerline (Pitch)	3.96 mm [.156 in]
Housing Color	Red
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

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	C22.2 No. 182.3, UL 1977
Agency/Standard	CNR, USR

### Packaging Features

Packaging Method	Bag
Packaging Quantity	400

### Other

For Use With	Cap: 177907 or 179464, Contacts: 177914 or 177915, Double Lock Plate 177919-1, Header: 179839, Header: 179844 (3 pos./ 2 circuit)
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### Product Compliance



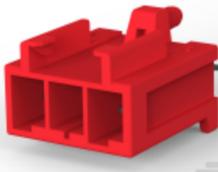
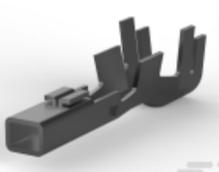
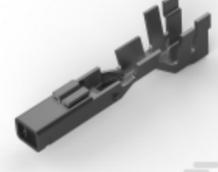
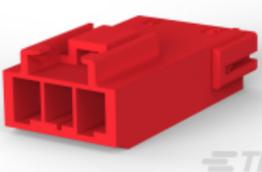
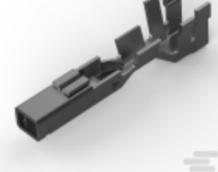
[For compliance documentation, visit the product page on TE.com>](#)

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) Candidate List Declared Against: JAN 2021 (211) 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 # 179844-2 AMP POWER D/LOCK T/HDR ASSY 2P</p>	 <p>TE Part # CAT-P87024-R2435 Power Double Lock Receptacle</p>	 <p>TE Part # 179593-1 AMP POWER D/LOCK RECCONT. L/P</p>	 <p>TE Part # 179592-2 POWER D/LOCK REC CONT. H/P L/P</p>
 <p>TE Part # 368571-2 PDL 3P PLUG 3.96(GWT) RED</p>	 <p>TE Part # 177907-2 DBL CAP P/M 3P RED</p>	 <p>TE Part # 179464-2 DBL LOCK CAP F/H 3P RED</p>	 <p>TE Part # 179592-1 AMP POWER D/LOCK REC CONT. L/P</p>



TE Part # 179593-2  
POWER D/LOCK REC CONT. H/P L/P



TE Part # 1-179844-2  
PDL 2P HDR 7.92 SR V/T ASSY RED

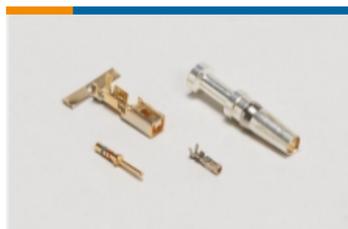


TE Part # 179851-2  
AMP POWER D/LOCK TAB HDR 3P V



TE Part # 5-179851-2  
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)

## Documents

### Product Drawings

**POWER DBL LOCK PLUG 3P RED**

English

### CAD Files

**3D PDF**

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_177899-2\\_P.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_177899-2\\_P.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_177899-2\\_P.3d\\_stp.zip](#)

English



By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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### Datasheets & Catalog Pages

[SOFT\\_SHELL\\_PIN\\_AND\\_SOCKET\\_CONNECTORS\\_CATALOG](#)

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