

177914-1 ✓ ACTIVE



## Power Double Lock

TE Internal #: 177914-1

Power Contacts, Contact, 300 VAC / 50 VAC, Pre-Tin, 26 – 22 AWG

Wire Size, .14 – .34 mm<sup>2</sup> Wire Size, Wire-to-Wire, Wire & Cable,

Power Double Lock

[View on TE.com >](#)

Connectors > Power Connectors > Power Contacts > Power Double Lock Receptacle



Power Contact Type: **Contact**

Operating Voltage: **50 VAC, 300 VAC**

Contact Mating Area Plating Material: **Pre-Tin**

Wire Size: **.14 – .34 mm<sup>2</sup>**

[All Power Double Lock Receptacle \(6\)](#)

## Features

### Product Type Features

Power Contact Type	Contact
Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

### Electrical Characteristics

Operating Voltage	50 VAC, 300 VAC
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### Contact Features

Contact Mating Area Plating Material	Pre-Tin
Contact Current Rating (Max)	14 A
Contact Type	Receptacle
Contact Retention Within Housing	With
Mating Tab Width	1.5 mm[.06 in]
Mating Tab Thickness	.5 mm[.02 in]
Contact Base Material	Copper Alloy



Contact Mating Area Plating Material Thickness	.8 μm[31.49 μin]
Wire Contact Termination Area Plating Thickness	.8 μm[31.49 μin]
Wire Contact Termination Area Plating Material	Pre-Tin
Wire Contact Termination Area Plating Material Finish	Matte
Contact Orientation	Straight

### Termination Features

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

Contact Retention Type Within Housing	Locking Lance
Connector Mounting Type	Cable Mount (Free-Hanging)
Wire Insulation Support	With

### Dimensions

Wire Size	.14 – .34 mm <sup>2</sup>
Accepts Wire Insulation Diameter Range	1.3 – 2 mm[.051 – .079 in]

### Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
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### Operation/Application

Circuit Application	Power
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### Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
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### Packaging Features

Packaging Method	Reel
Packaging Quantity	5000

### Other

Wire/Cable Type	Discrete Wire
Wire Type	Stranded
For Use With	Plug Housing

### 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: JAN 2022 (223) Candidate List Declared Against: JAN 2022 (223) 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-P729 STD Temp Power Double Lock Plug</p>	 <p>TE Part # 917354-1 AMP POWER D/LOCK PLUG HDR 12P</p>	 <p>TE Part # 1-179466-5 AMP POWER DBL LOCK CAP HSG 6P Black</p>	 <p>TE Part # 2305570-1 TERMINAL CUTTER, SIDE FEED</p>
 <p>TE Part # CAT-P87024-P729A Glow Wire Power Double Lock Plug</p>	 <p>TE Part # CAT-P87024-C1701A Glow Wire Power Double Lock Cap</p>	 <p>TE Part # 2005249-9 PDL 2P CAP 3.96 P/M(GWT) BLK</p>	 <p>TE Part # 368588-6 PDL 6P CAP 3.96 D/R P/M(GWT) B</p>




TE Part # CAT-P87024-H342  
STD Temp Power Double Lock Header



TE Part # CAT-P87024-C1701  
STD Temp Power Double Lock Cap



TE Part # 91567-1  
CCII POWER DBL LOCK S REC TAB  
26-22 ASSY



TE Part # 2005248-6  
PDL 2P CAP 3.96 F/H(GWT) BLU



TE Part # 234912-1  
EXT TOOL FOR POWER DBL LOK REC



TE Part # 5-179464-1  
POWER DBL LOCK CAP HSG F/H 3P  
(GWT)



TE Part # 1-179840-1  
PDL 4P HDR 3.96 DR V/T ASSY NAT



TE Part # 1-179840-4  
PDL 4P HDR 3.96 DR V/T ASSY YEL



TE Part # 1-179840-6  
PDL 4P HDR 3.96 DR V/T ASSY BLU



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




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




TE Part # 1-179844-4  
PDL 2P HDR 7.92 SR V/T ASSY YEL

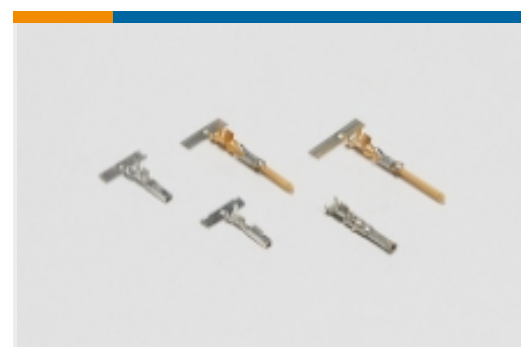
Also in the Series | **Power Double Lock**




Connector Contacts(1)



Insertion & Extraction Tools(2)



Power Contacts(23)



Rectangular Connector Locking(14)



Rectangular Power Connectors(280)

Customers Also Bought





TE Part #316092-1  
2.5 SIGNAL D/LOCK CAP HSG 8P



TE Part #917704-1  
Signal Double Lock TPA



TE Part #179463-1  
POWER DBL LOCK CAP HSG F/H 2P



TE Part #1746076-1  
2.5SDL DBL 14P HSG NAT



TE Part #1-1971030-2  
2POS Plug Housing for GIC 2.0 EV



TE Part #1827386-1  
GIC 3.3 PLUG HOUSING 6P



TE Part #1-1376477-2  
2.5MM PITCH SIGNAL MATE CONN



TE Part #175032-1  
PL 187 REC 26-20 AWG 0.30 X 14.0 SS

## Documents

### Product Drawings

#### AMP POWER DBL LOCK REC (S)

English

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_177914-1\\_H.2d\\_dxf.zip](#)

English

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_177914-1\\_H.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_177914-1\\_H.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

### Product Specifications

#### Application Specification

English



### Product Environmental Compliance

[MD\\_177914-1\\_032020181239\\_dmtec](#)

English

[MD\\_177914-1\\_032020181239\\_dmtec](#)

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

[UL Report](#)

English