



**Power Double Lock**

TE Internal #: 179593-1

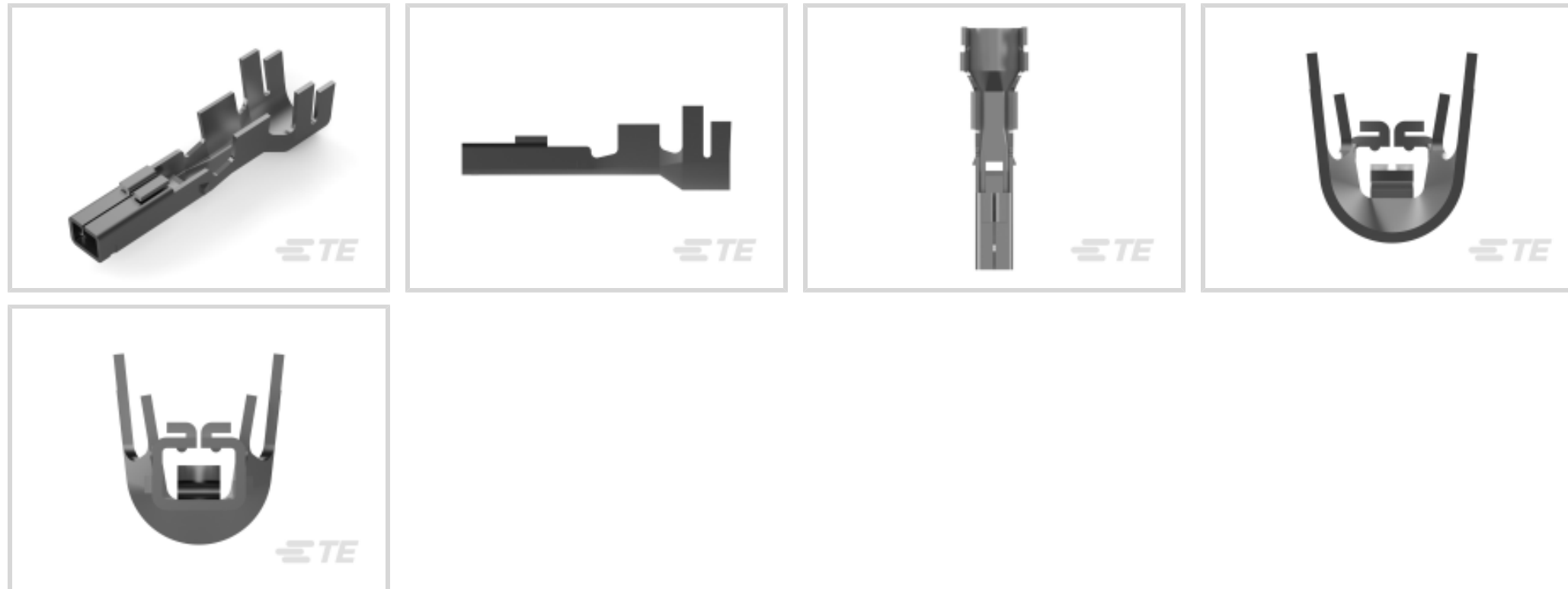
Power Contacts, Contact, 300 VAC / 50 VAC, Pre-Tin, 20 – 16 AWG

Wire Size, .52 – 1.38 mm<sup>2</sup> Wire Size, Wire-to-Wire, Wire & Cable,

Power Double Lock

[View on TE.com >](#)

Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

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

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

Wire Size: **.52 – 1.38 mm<sup>2</sup>**

**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
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Contact Orientation	Straight
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### Termination Features

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

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

Wire Size	.52 – 1.38 mm <sup>2</sup>
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Accepts Wire Insulation Diameter Range	1.8 – 3.1 mm [.071 – .12 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
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### Industry Standards

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

Packaging Method	Bag
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Packaging Quantity	1000
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### Other

Wire/Cable Type	Discrete Wire
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Wire Type	Stranded
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For Use With	Plug Housing
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Comment	Maximum insulation diameter is 2.8mm (.110) when Double Lock Plate is used.
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### Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2022  
(224)Candidate List Declared Against: JAN 2022  
(223)SVHC > Threshold:  
Not Yet Reviewed

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

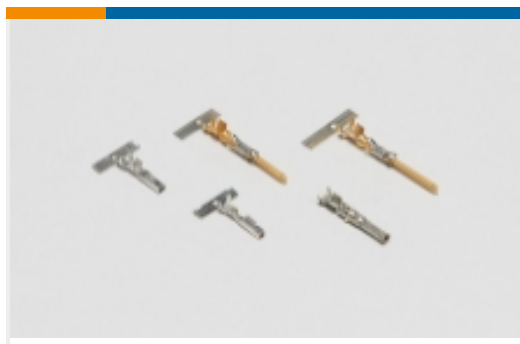
TE Part # CAT-P87024-P729  
STD Temp Power Double Lock PlugTE Part # 917354-1  
AMP POWER D/LOCK PLUG HDR 12PTE Part # 234912-1  
EXT TOOL FOR POWER DBL LOK RECTE Part # 91569-1  
CCII POWER DBL LOCK L REC TAB 20-16 ASSYTE Part # 91569-3  
CCII POWER DBL LOCK L REC TAB 20-16 HEADAlso in the Series | [Power Double Lock](#)



Connector Contacts(1)



Insertion & Extraction Tools(2)



Power Contacts(23)



Rectangular Connector Locking(14)



Rectangular Power Connectors(284)

### Customers Also Bought



TE Part #177908-1  
POWER DBL LOCK CAP HSG P/M 4P



TE Part #177903-1  
STD Temp Power Double Lock Plug



TE Part #177918-1  
Power Double Lock TPA



TE Part #2-84953-4  
1MM FPC HORZ.TOP CONT.ASSY 24P



TE Part #177906-1  
POWER DBL LOCK CAP HSG P/M 2P

### Documents

#### Product Drawings

[AMP POWER D/LOCK RECCONT. L/P](#)

English

#### CAD Files

[3D PDF](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_179593-1\\_C.3d\\_igs.zip](#)



English

Customer View Model

[ENG\\_CVM\\_179593-1\\_C.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_179593-1\\_C.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_179593-1\\_O.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_179593-1\\_O.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_179593-1\\_O.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

[Product Specification](#)

English

## Instruction Sheets

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

Japanese

## Agency Approvals

[UL Report](#)

English