

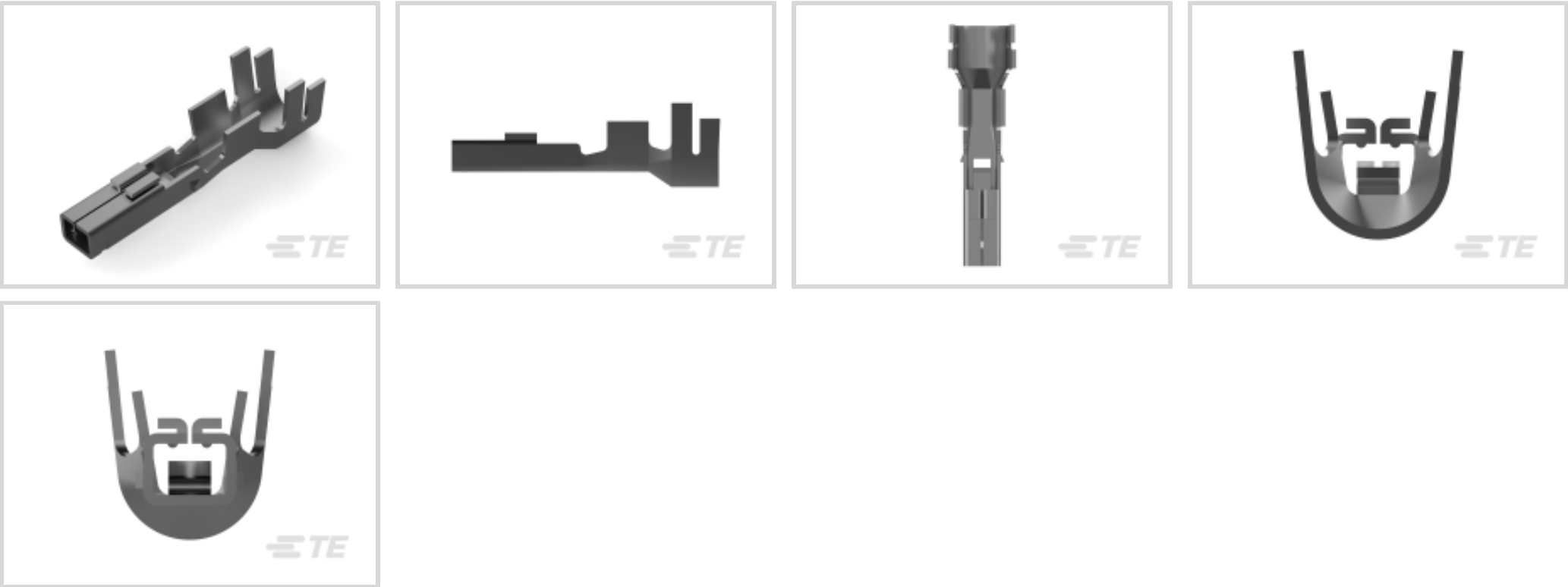


Power Double Lock

TE Internal #: 179593-1
Receptacle Contact, Tin, 300 VAC / 50 VAC, Locking Lance Contact Retention, 20 – 16 AWG Wire Size, .52 – 1.38 mm² Wire Size, Crimp, Power Double Lock

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts



Contact Type: **Receptacle**
Contact Mating Area Plating Material: **Tin**
Wire Contact Termination Area Plating Material: **Pre-Tin**
Operating Voltage: **50 VAC, 300 VAC**
Contact Retention Within Housing: **With**

Features

Product Type Features

Discrete Wire Type	Stranded
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Electrical Characteristics

Operating Voltage	50 VAC, 300 VAC
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Contact Features

Mating Tab Width	1.5 mm[.06 in]
Mating Tab Thickness	.5 mm[.02 in]
Wire Contact Termination Area Plating Thickness	.8 µm[31.49 µin]
Contact Mating Area Plating Material Thickness	.8 µm[31.49 µin]
Contact Orientation	Straight
Contact Type	Receptacle
Contact Mating Area Plating Material	Tin
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Retention Within Housing	With
Contact Base Material	Copper Alloy



Contact Current Rating (Max)	14 A
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Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable

Mechanical Attachment

Wire Insulation Support	With
Contact Retention Type Within Housing	Locking Lance

Dimensions

Compatible Insulation Diameter Range	1.8 – 3.1 mm [.071 – .12 in]
Wire Size	.52 – 1.38 mm²

Usage Conditions

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

Circuit Application	Power
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Packaging Features

Packaging Quantity	1000
Packaging Method	Bag

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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-P729
STD Temp Power Double Lock Plug



TE Part # 917354-1
AMP POWER D/LOCK PLUG HDR 12P



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



TE Part # 91569-1
CCII POWER DBL LOCK L REC TAB 20-16 ASSY

Also in the Series | Power Double Lock



Connector Contacts(24)



Connector Hardware(14)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(43)



Rectangular Power Connectors(240)

Customers Also Bought



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
[Application Specification](#)

English

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

Japanese

Agency Approvals
[UL Report](#)

English