

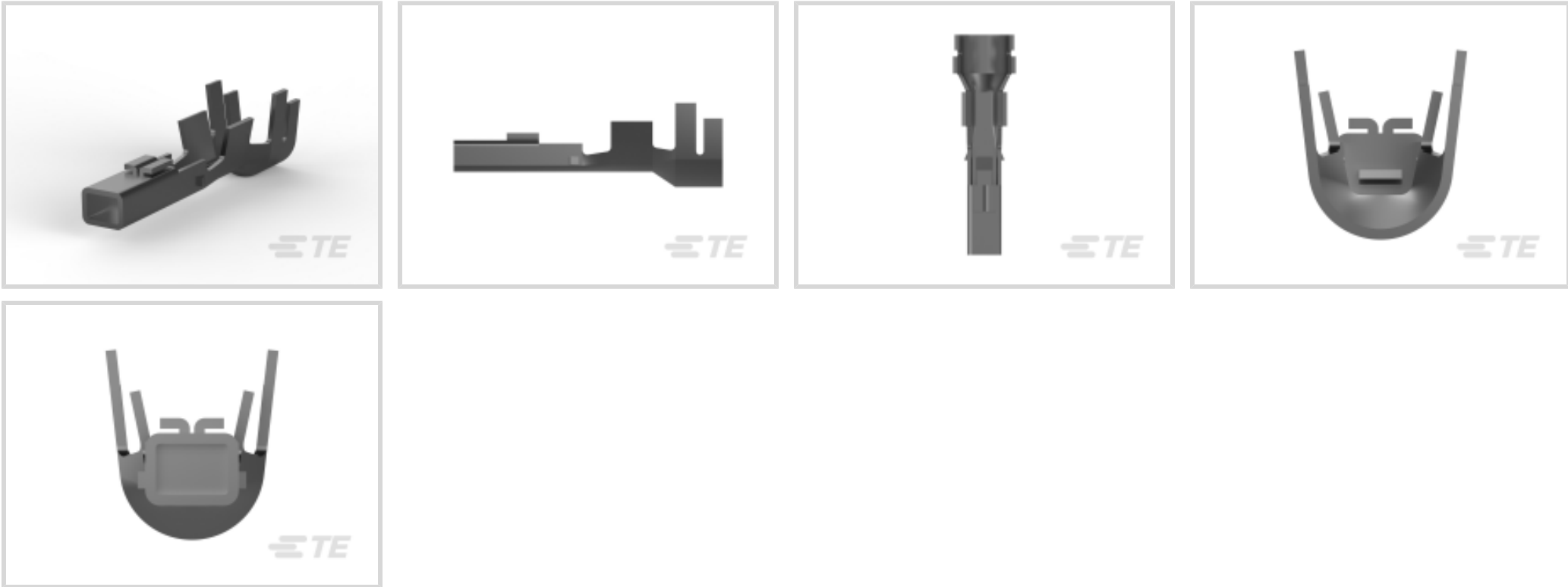


Power Double Lock

TE Internal #: 177915-1
Receptacle Contact, Tin, 300 VAC / 50 VAC, Locking Lance Contact Retention, 20 - 16 AWG Wire Size, .5 - 1.25 mm² Wire Size, Crimp, Power Double Lock

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts > Power Double Lock Receptacle



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**

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

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]
Wire Contact Termination Area Plating Material Finish	Matte
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

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	.5 - 1.25 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	4000
Packaging Method	Reel

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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free



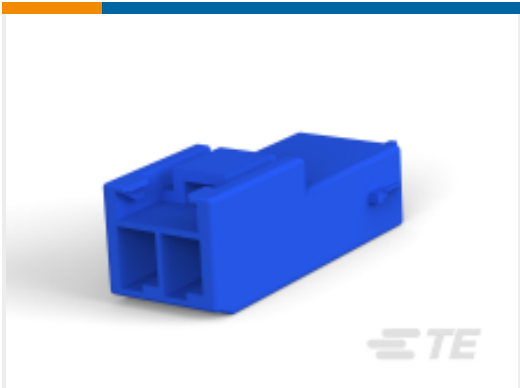
Solder Process Capability

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 # CAT-P87024-P729A Glow Wire Power Double Lock Plug	 TE Part # 917354-1 AMP POWER D/LOCK PLUG HDR 12P	 TE Part # 1-179466-5 AMP POWER DBL LOCK CAP HSG 6P Black
 TE Part # 2005248-6 PDL 2P CAP 3.96 F/H(GWT) BLU	 TE Part # CAT-P87024-C1701A Glow Wire Power Double Lock Cap	 TE Part # 2005249-9 PDL 2P CAP 3.96 P/M(GWT) BLK	 TE Part # 368588-6 PDL 6P CAP 3.96 D/R P/M(GWT) B
 TE Part # CAT-P87024-H342 STD Temp Power Double Lock Header	 TE Part # CAT-P87024-C1701 STD Temp Power Double Lock Cap	 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 # 91569-1
CCII POWER DBL LOCK L REC TAB 20-16 ASSY



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



TE Part # 1-179844-6
PDL 2P HDR 7.92 SR V/T ASSY BLU

Also in the Series | Power Double Lock



Connector Contacts(24)



Connector Hardware(14)



Insertion & Extraction Tools(2)



Rectangular Power Connectors(283)

Customers Also Bought



TE Part # 179465-1
AMP POWER DBL LOCK CAP HSG 4P



TE Part # 316768-1
STD Temp Power Double Lock Plug



TE Part # 1971786-1
PTL TAB CONTACT, 20 - 24 AWG



TE Part # 2005249-4
PDL 2P CAP 3.96 P/M(GWT) YEL



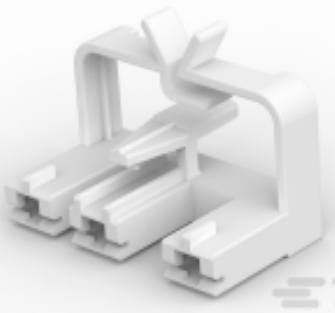
TE Part # 2013799-1
250 HSG. PL EX REC. BLACK



TE Part # 2-2133394-1
187 FASTON HSG.,REC.,1 POS, NATRUAL



TE Part # 63931-2
187 FASTON REC 22-18 AWG BR



TE Part # 2819193-1
187 FASTON HSG.,REC.,3 POS, NATRUAL



Documents

Product Drawings

AMP POWER DBL LOCK REC (L)

English

CAD Files

Customer View Model

ENG_CVM_CVM_177915-1_L.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_177915-1_L.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_177915-1_L.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.)

English

AMP POWER DOUBLELOCK CONNECTOR SERIES

English

Agency Approvals

UL Report

English