

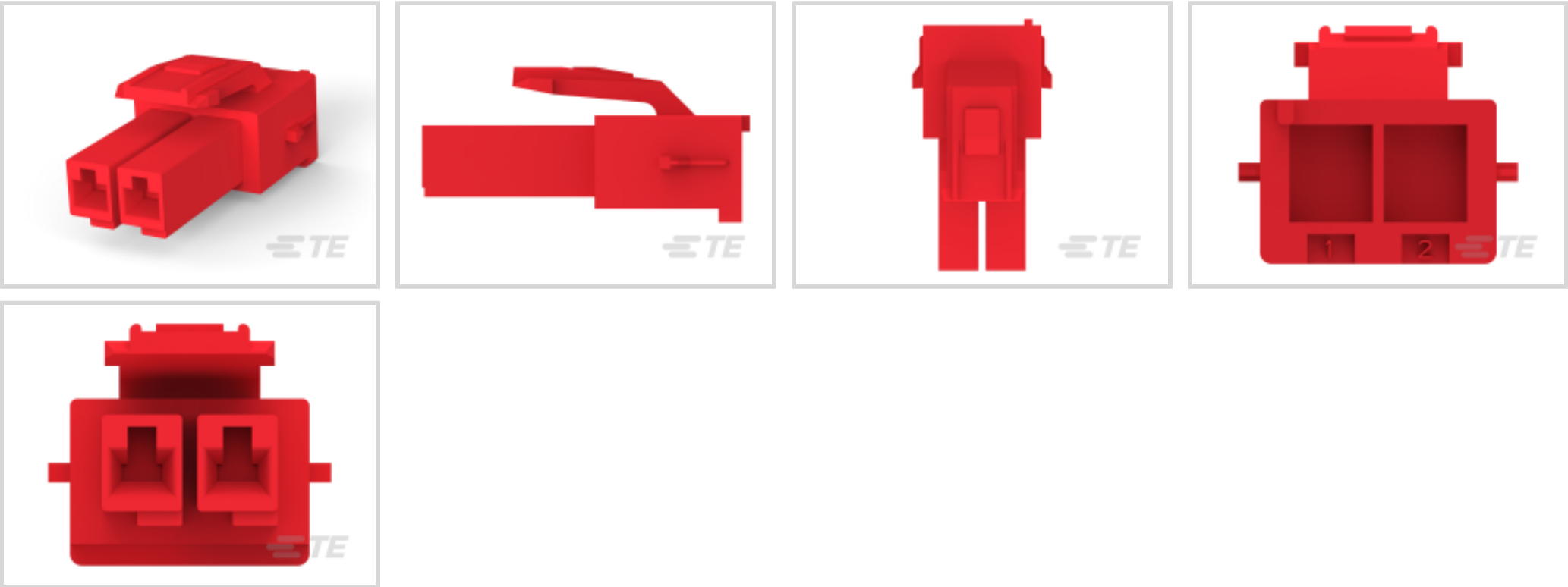


Power Double Lock

TE Internal #: 177898-2  
Rectangular Power Connectors, Housing, Plug, Wire-to-Board /  
Wire-to-Panel / Wire-to-Wire, 2 Position, .156 in [3.96 mm]  
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: **2**

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	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	300 VAC
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Contact Features

Contact Layout	Inline
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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
VDE Tested	Yes
Agency/Standard	CNR, USR

Packaging Features

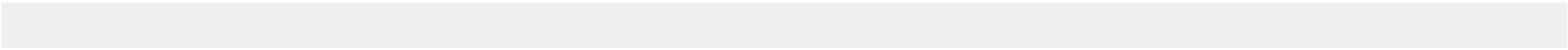
Packaging Method	Bag
Packaging Quantity	500

Other

For Use With	Cap: 177906, Contacts: 177914 or 177915, Contacts: 177916 or 177917, Header: 179838
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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 2022 (223) SVHC > Threshold: Not Yet Reviewed
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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>

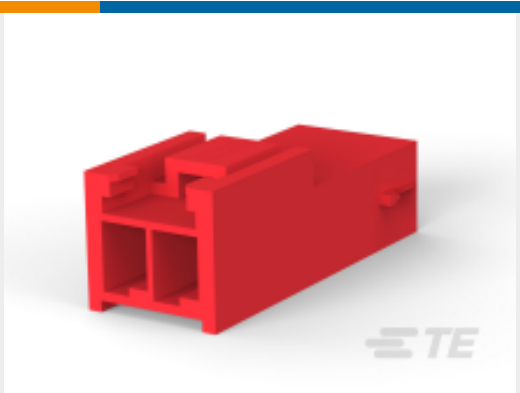
Compatible Parts




TE Part # CAT-P87024-R2435  
Power Double Lock Receptacle



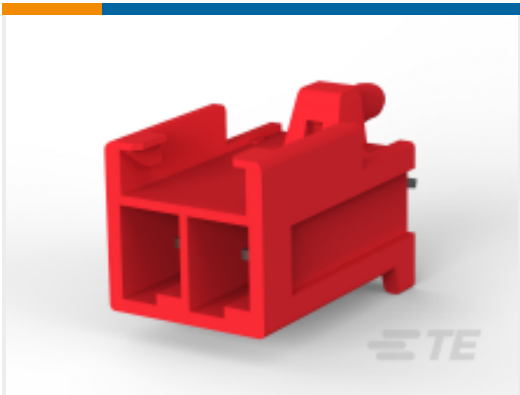
TE Part # 179593-1  
AMP POWER D/LOCK RECCONT. L/P




TE Part # 179463-2  
DBL LOCK CAP F/H 2P RED




TE Part # 179592-2  
POWER D/LOCK REC CONT. H/P L/P




TE Part # 179838-2  
AMP POWER D/LOCK T/HDR ASSY 2P



TE Part # 2005247-2  
PDL 2P PLUG 3.96(GWT) RED



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



TE Part # 179592-1  
AMP POWER D/LOCK REC CONT. L/P



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

TE Part # 179850-2  
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)

Customers Also Bought

TE Part #177909-1  
POWER DBL LOCK CAP HSG P/M 6P

TE Part #2005247-1  
PDL 2P PLUG 3.96(GWT) NAT

TE Part #177918-1  
POWER DBL LOCK PLATE 2P

TE Part #520987-1  
250 FASTON HSG. REC 4P BLACK

TE Part #5-179463-1  
POWER DBL LOCK CAP HSG F/H 2P (GWT)

TE Part #176774-5  
FF 250 PLUG HSG 3P NYLON NAT

TE Part #1743729-1  
FG TERMINAL

TE Part #2-1743068-1  
187 HSG. PL MKII REC. 5mm 3P NAT



Documents

Product Drawings

POWER DBL LOCK PLUG 2P RED

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_177898-2\_S.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_177898-2\_S.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_177898-2\_S.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

Product Specifications

Product Specification

English

Product Environmental Compliance

MD\_177898-2\_11012017338\_dmtec

English

MD\_177898-2\_11012017338\_dmtec

English

Instruction Sheets

Instruction Sheet (non U.S.)

English

AMP POWER DOUBLELOCK CONNECTOR SERIES



English

Agency Approvals

UL Report

English

UL Report

English