

177900-6 ✓ ACTIVE



Power Double Lock

TE Internal #: 177900-6

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 4 Position, 3.96 mm [.156 in] Centerline, Wire & Cable, UL 94V-0, 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-Wire**

Number of Positions: **4**

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-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	4
Number of Power Positions	0
Number of Signal Positions	0
Number of Rows	2

Electrical Characteristics

Operating Voltage	300 VAC
-------------------	---------



Contact Features

Contact Layout	Matrix
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)
-------------------------	----------------------------

Housing Features

Centerline (Pitch)	3.96 mm [.156 in]
Housing Color	Blue
Housing Material	Nylon 6/6

Dimensions

Row-to-Row Spacing	4.6 mm [.181 in]
Accepts Wire Insulation Diameter Range	3.1 mm

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
---------------------	----------------

Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
VDE Tested	Yes
Agency/Standard	CSA, UL

Packaging Features

Packaging Method	Bag
Packaging Quantity	300

Other

For Use With	Cap: 177908 or 179465, Contacts: 177914 or 177915, Double Lock Plate, Header
--------------	--



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: JUNE 2022 (224) 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

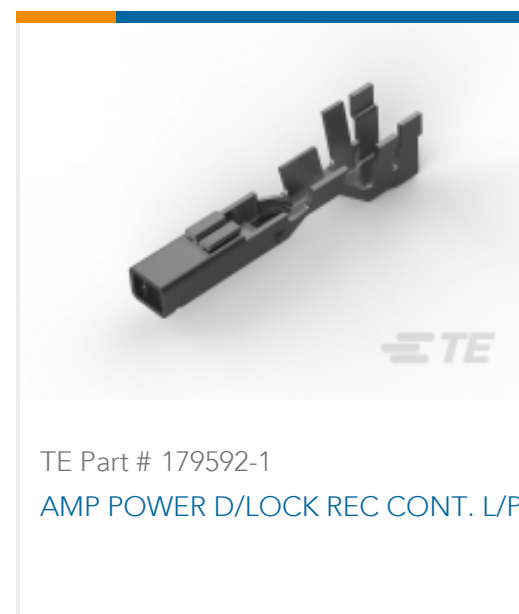
 <p>TE Part # CAT-P87024-R2435 Power Double Lock Receptacle</p>	 <p>TE Part # 179593-1 AMP POWER D/LOCK RECCONT. L/P</p>	 <p>TE Part # 179592-2 POWER D/LOCK REC CONT. H/P L/P</p>	 <p>TE Part # CAT-P87024-C1701 STD Temp Power Double Lock Cap</p>
--	--	--	--



TE Part # 179840-6
AMP POWER D/LOCK T/HDR ASSY 4P



TE Part # 1-368575-6
PDL 4P PLUG 3.96 D/R(GWT) BLU



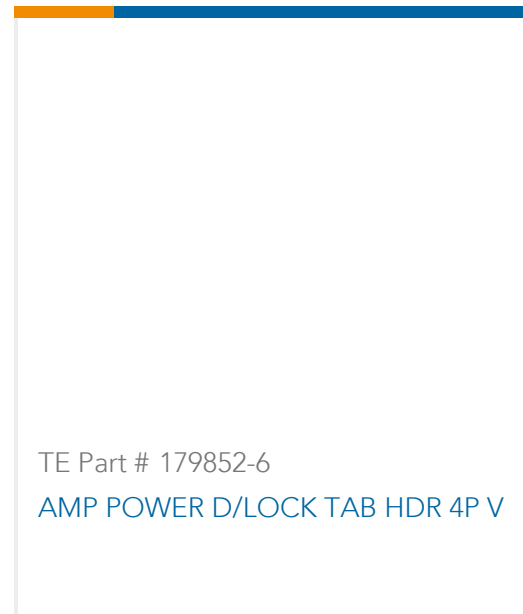
TE Part # 179592-1
AMP POWER D/LOCK REC CONT. L/P



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



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



TE Part # 179852-6
AMP POWER D/LOCK TAB HDR 4P V

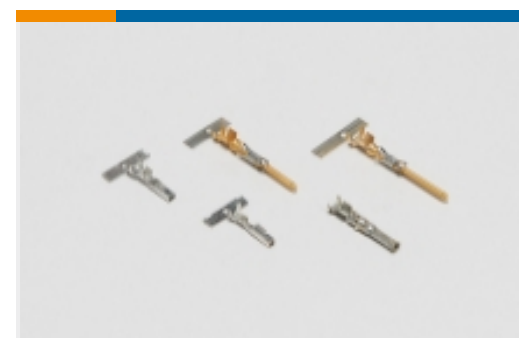
Also in the Series | Power Double Lock



Connector Contacts(1)



Insertion & Extraction Tools(2)



Power Contacts(23)



Rectangular Connector Locking(14)



Rectangular Power Connectors(284)

Documents

Product Drawings

[POWER DBL LOCK PLUG HSG 4P](#)

English

CAD Files

[Customer View Model](#)

[ENG_CVM_177900-6_F.3d_igs.zip](#)

English

**Customer View Model**[ENG_CVM_177900-6_F.3d_stp.zip](#)

English

Customer View Model[ENG_CVM_177900-6_F.2d_dxf.zip](#)

English

3D PDF

English

3D PDF

3D

Customer View Model[ENG_CVM_CVM_177900-6_S.2d_dxf.zip](#)

English

Customer View Model[ENG_CVM_CVM_177900-6_S.3d_igs.zip](#)

English

Customer View Model[ENG_CVM_CVM_177900-6_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

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

English

[AMP POWER DOUBLELOCK CONNECTOR SERIES](#)

English

Agency Approvals[UL Report](#)

English