



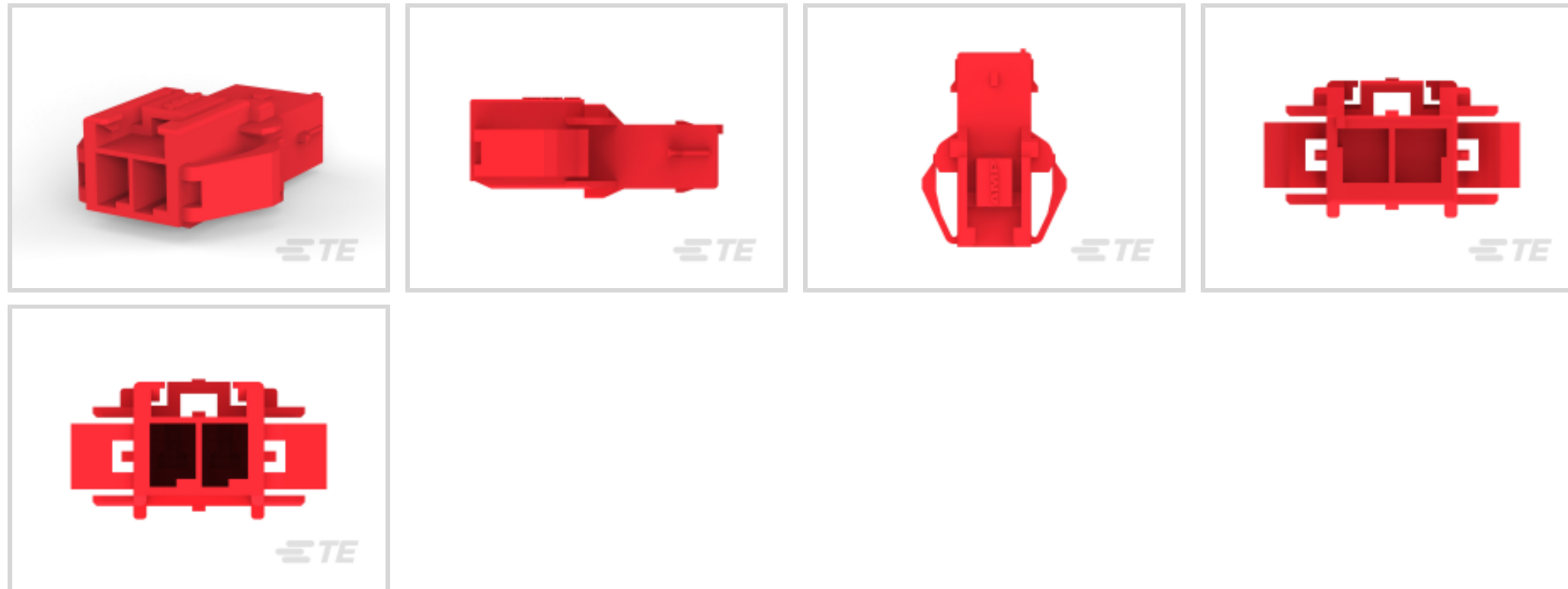
Power Double Lock

TE Internal #: 177906-2

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Panel / Wire-to-Board / Wire-to-Wire, 2 Position, Power Double Lock

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

Connector System: **Wire-to-Board, Wire-to-Panel, Wire-to-Wire**

Number of Positions: **2**

Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Receptacle
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 Power Positions	0
Number of Signal Positions	0
Number of Rows	1

Electrical Characteristics

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

Contact Features

Contact Layout	Inline
----------------	--------



Contact Retention Within Housing	Without
----------------------------------	---------

Contact Type	Tab
--------------	-----

Termination Features

Termination Method to Wire & Cable	Crimp
------------------------------------	-------

Wire/Cable Type	Discrete Wire
-----------------	---------------

Wire Type	Stranded
-----------	----------

Mechanical Attachment

Panel Mount Feature	With
---------------------	------

Panel Mount Feature Type	Latches
--------------------------	---------

Connector Mounting Type	Panel Mount
-------------------------	-------------

Housing Features

Centerline (Pitch)	3.96 mm [.156 in]
--------------------	-------------------

Housing Color	Red
---------------	-----

Housing Material	Nylon 6/6
------------------	-----------

Dimensions

Panel Thickness	.8 – 2 mm [.031 – .078 in]
-----------------	----------------------------

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
------------------	-------------------------------

Agency/Standard Number	E28476
------------------------	--------

Agency/Standard	UL
-----------------	----

Packaging Features

Packaging Method	Bag
------------------	-----

Packaging Quantity	200
--------------------	-----

Other

For Use With	Contacts: 177916 or 177917, Double Lock Plate 177918-1, Plug: 177898
--------------	--

Product Compliance

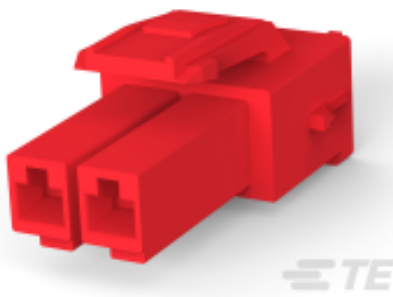

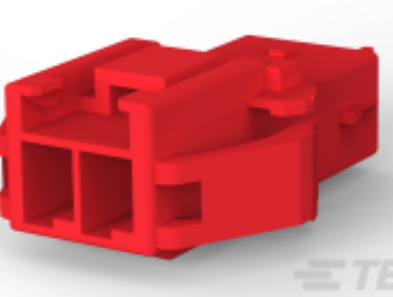
[For compliance documentation, visit the product page on TE.com>](#)

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 # 177898-2 POWER DBL LOCK PLUG 2P RED</p>	 <p>TE Part # CAT-P87024-T111 Power Double Lock Tab</p>	 <p>TE Part # 2005249-2 PDL 2P CAP 3.96 P/M(GWT) RED</p>
--	--	---

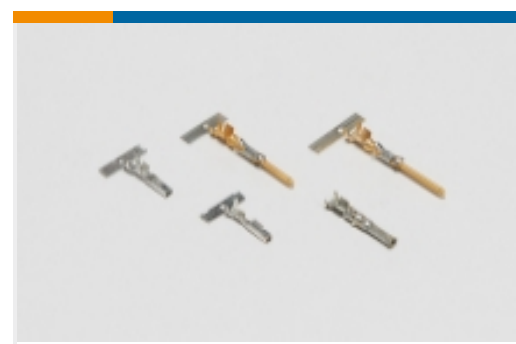
Also in the Series | [Power Double Lock](#)



Connector Contacts(1)



Insertion & Extraction Tools(2)



Power Contacts(23)



Rectangular Connector Locking(14)



Rectangular Power Connectors(284)

Documents

Product Drawings

[POWER DBL LOCK CAP P/M 2P RED](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_177906-2_V.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_177906-2_V.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_177906-2_V.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



Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Instruction Sheets

Instruction Sheet (non U.S.)

English

AMP POWER DOUBLELOCK CONNECTOR SERIES

English

Agency Approvals

CSA Certificate

English