

5-177913-1 ✓ ACTIVE



## Power Double Lock

TE Internal #: 5-177913-1

Housing, Cap, Wire-to-Wire, 12 Position, 3.96 mm [.156 in]

Centerline, Wire & Cable, UL 94V-0, Power Double Lock,

Rectangular Power Connectors

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors > STD Temp Power Double Lock Cap



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Cap**

Connector System: **Wire-to-Wire**

Number of Positions: **12**

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

[All STD Temp Power Double Lock Cap \(33\)](#)

## Features

### Packaging Features

Packaging Quantity	150
Packaging Method	Bag

### Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Cap
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Number of Positions	12
Number of Power Positions	12
Number of Signal Positions	0



Number of Rows	3
----------------	---

### Electrical Characteristics

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

### Contact Features

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

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

### Termination Features

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

### Mechanical Attachment

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

### Housing Features

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

Housing Color	Natural
---------------	---------

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

### Dimensions

Row-to-Row Spacing	4.6 mm [.181 in]
--------------------	------------------

### Usage Conditions

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

### Operation/Application

Circuit Application	Power
---------------------	-------

### Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

Glow Wire Rating	Standard Part - Not Glow Wire
------------------	-------------------------------

### Other

EU RoHS Compliance	Compliant
--------------------	-----------

EU ELV Compliance	Compliant
-------------------	-----------

### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed 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 # 5-177905-1  
POWER DBL LOCK PLUG HSG 12P (GWT)

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

TE Part # CAT-P87024-T111  
Power Double Lock Tab

TE Part # 177920-1  
POWER DBL LOCK PLATE 3.96MM 4POS

## Also in the Series | Power Double Lock

Connector Contacts(24)

Connector Hardware(14)

Insertion & Extraction Tools(2)

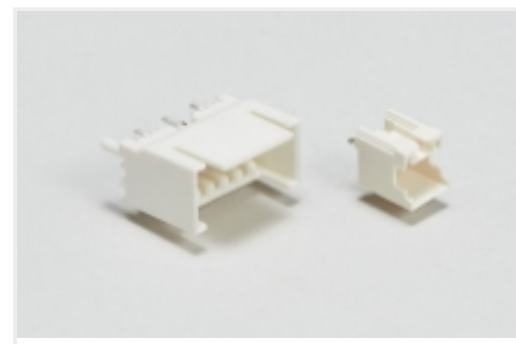
PCB Headers & Receptacles(43)



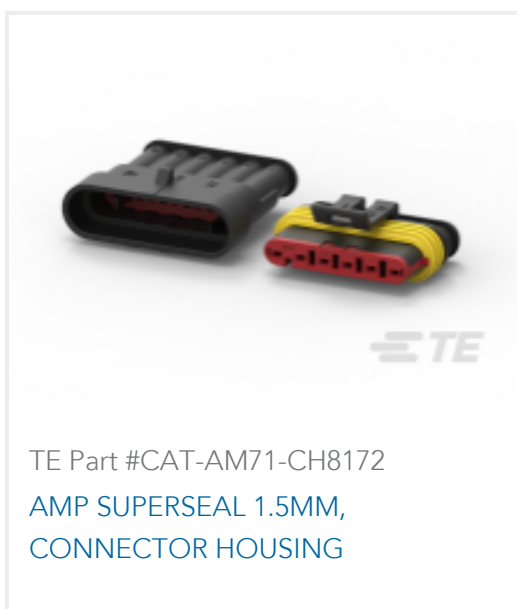
Power Contacts(24)



Rectangular Power Connectors(240)

Wire-to-Board Headers & Receptacles  
(43)

## Customers Also Bought

TE Part #DT04-2P  
REC, 2P, GRY, NTE Part #DT06-2S  
PLG, 2P, GRY, NTE Part #CAT-D487-W416  
Wedgelocks: DEUTSCH DTTE Part #CAT-D48-ST273  
DEUTSCH Solid ContactsTE Part #CAT-AM71-CH8172  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSINGTE Part #114017-ZZ  
SEALING PLUG, SIZE 12/16, WHTTE Part #281934-2  
SINGLE WIRE SEAL

## Documents

### Product Drawings

POWER DBL LOCK CAP HSG P/M 12P

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5-177913-1\\_AC.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-177913-1\\_AC.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-177913-1\\_AC.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.



---

**Product Specifications**

**Application Specification**

English

---

**Instruction Sheets**

**Instruction Sheet (non U.S.)**

English

**AMP POWER DOUBLELOCK CONNECTOR SERIES**

English

---

**Agency Approvals**

**CSA Certificate**

English