



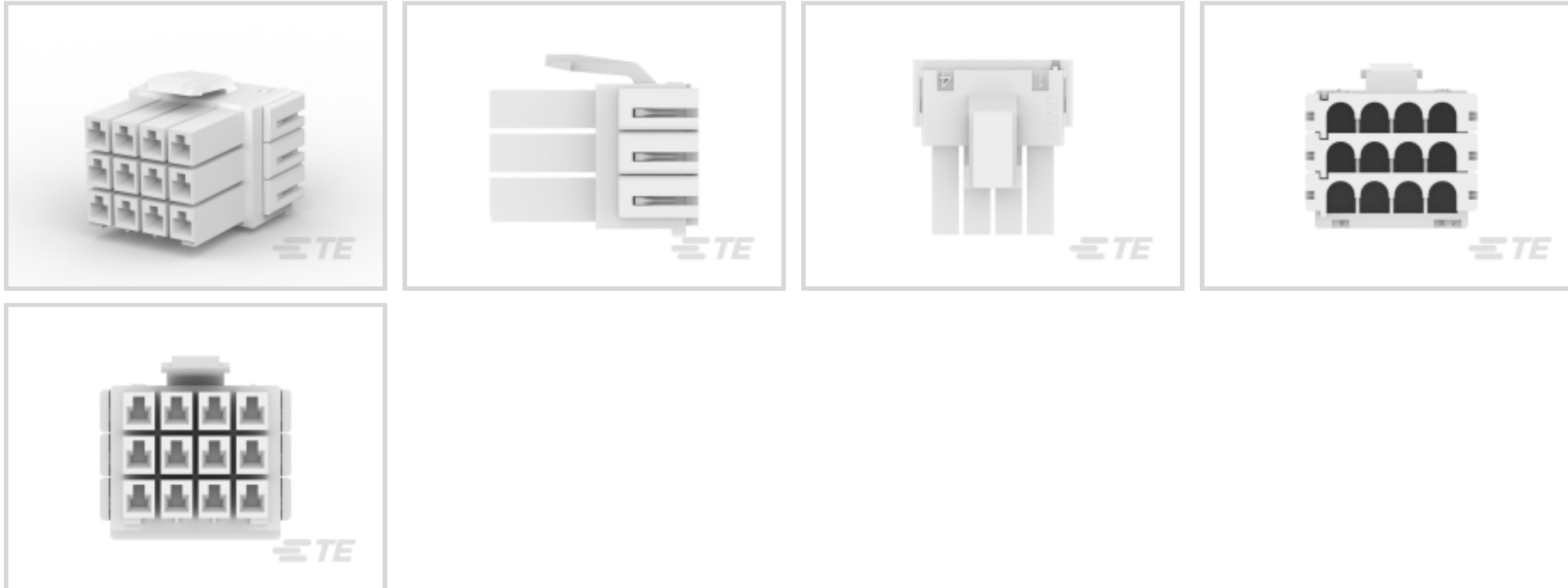
**Power Double Lock**

TE Internal #: 177905-1

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 12 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: **12**

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	12
Number of Rows	3

**Electrical Characteristics**

Operating Voltage	300 VAC
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**Contact Features**

Contact Layout	Matrix
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Contact Retention Within Housing	Without
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Contact Type	Receptacle
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### Termination Features

Termination Method to Wire & Cable	Crimp
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Wire/Cable Type	Discrete Wire
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Wire Type	Stranded
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### Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
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### Housing Features

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

Row-to-Row Spacing	4.6 mm [.181 in]
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Height	13.8 mm
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Accepts Wire Insulation Diameter Range	3.1 mm
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Width	15.2 mm
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Length	20.6 mm
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### 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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### Identification Marking

Circuit Identification Feature	With
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### Industry Standards

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

Packaging Method	Bag
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Packaging Quantity

120

**Other**

For Use With

Cap: 179467, 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**



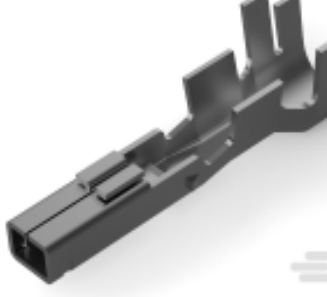
TE Part # 177913-1  
POWER DBL LOCK CAP HSG P/M 12P



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



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




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




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



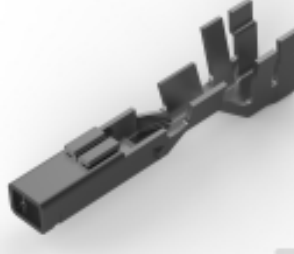
TE Part # 1903720-1  
PDL 3.96MM PITCH CAP HSG 12P(F)



TE Part # 179843-1  
AMP POWER D/LOCK T/HDR ASY 12P



TE Part # 2005255-1  
PDL 12P PLUG 3.96 T/R(GWT) NAT



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 # 1318808-1  
POWER DOUBLE LOCK 12P HDR

TE Part # 179855-1  
AMP POWER D/LOCK TAB HDR 12P 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 12P

English

CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_177905-1\\_N.2d\\_dxf.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_CVM\\_177905-1\\_N.3d\\_igs.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_CVM\\_177905-1\\_N.3d\\_stp.zip](#)

English

**3D PDF**

English

**Customer View Model**[ENG\\_CVM\\_177905-1\\_D.2d\\_dxf.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_177905-1\\_D.3d\\_igs.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_177905-1\\_D.3d\\_stp.zip](#)

English

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## 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

[CSA Certificate](#)

English