



Power Double Lock

TE Internal #: 1971600-1  
Housing, Receptacle, Wire-to-Wire, 8 Position, 3.96 mm [.156 in]  
Centerline, Wire & Cable, UL 94V-0, Power Double Lock,  
Rectangular Power Connectors

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**  
Connector & Housing Type: **Receptacle**  
Connector System: **Wire-to-Wire**  
Number of Positions: **8**  
Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

Compatible With Discrete Wire Type	Stranded
Rectangular Power Connector Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	8
Number of Rows	2

Electrical Characteristics

Operating Voltage	300 VAC
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Contact Features

Contact Layout	Matrix
Contact Retention Within Housing	Without



Contact Type	Tab
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Termination Features

Termination Method to Wire & Cable	Crimp
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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]
Housing Color	Natural
Housing Material	PA 66

Dimensions

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

Compatible With Agency/Standards Products	CNR, USR
Compatible With Approved Standards Products	CSA/C22.2 No. 182.3-M1987, UL 1977
UL Flammability Rating	UL 94V-0
Glow Wire Rating	GWT 750°C (Without Flame)

Packaging Features

Packaging Quantity	100
Packaging Method	Bag

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 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 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 # 179467-1  
AMP POWER DBL LOCK CAP HSG 8P

## Also in the Series | Power Double Lock

Connector Contacts(24)

Connector Hardware(14)

Insertion & Extraction Tools(2)

Rectangular Power Connectors(283)

## Customers Also Bought



TE Part #368576-1  
PDL 6P PLUG 3.96 D/R(GWT) NAT

TE Part #1971786-1  
PTL TAB CONTACT, 20 - 24 AWG

TE Part #1-2133346-0  
250 FASTON HSG.,REC.,1 POS, NATURAL

TE Part #8-735075-0  
250 FASTON HSG. REC. 1P NATURAL

TE Part #2232723-1  
PTL MFBL RECPT CONTACT, 16-19 AWG, 2X22

TE Part #1-881623-1  
FASTON 187 REC 0.5-1.0MM2 0.32X13.97 BR

TE Part #453802-4  
CRIMPER, WIRE-.070 WIDE F

TE Part #6-573447-4  
INSULATION CRIMPER

Documents

Product Drawings

POWER DBL LOCK CAP HSG 8P(GWT)

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1971600-1\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1971600-1\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1971600-1\_B.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

1971600-1

Housing, Receptacle, Wire-to-Wire, 8 Position, 3.96 mm [.156 in] Centerline, Wire & Cable, UL 94V-0, Power Double Lock, Rectangular Power Connectors



Agency Approvals  
Agency Approval Document  
English