

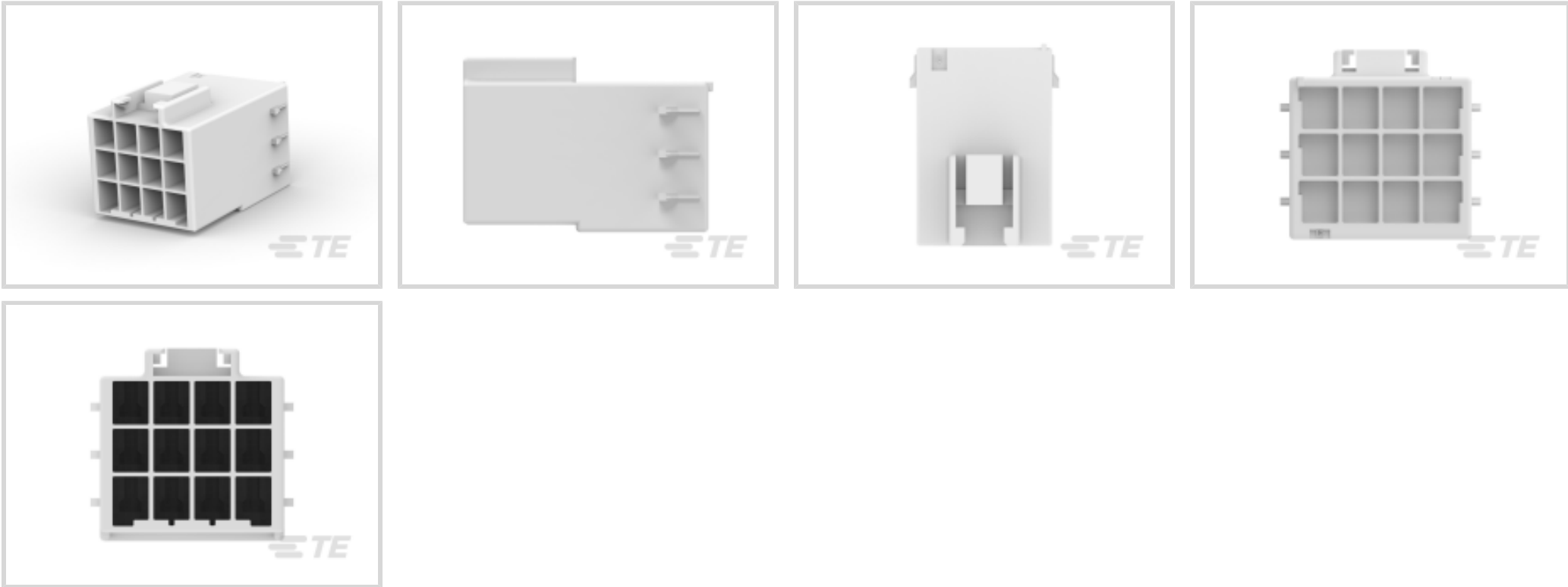


Power Double Lock

TE Internal #: 1903720-1
Housing, Receptacle, Wire-to-Wire, 12 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: **12**
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	12
Number of Rows	3

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	Panel Mount
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Housing Features

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

Dimensions

Connector Height	17.8 mm
Product Width	17.9 mm
Product Length	26.1 mm
Row-to-Row Spacing	4.6 mm[.181 in]

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	CSA, VDE
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	150
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	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 # 177905-1
POWER DBL LOCK PLUG HSG 12P



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



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

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 #177915-1 AMP POWER DBL LOCK REC (L)	TE Part #177916-1 AMP POWER DBL LOCK TAB (S)	TE Part #1-1123722-8 3.96 EP PLUG HSG 8P(NATURAL)	TE Part #1-1123722-5 3.96 EP PLUG HSG 5P(NATURAL)
TE Part #1-1123722-6 3.96 EP PLUG HSG 6P(NATURAL)	TE Part #1123721-2 ECONOMY POWER CONN REC CONT	TE Part #794956-1 VAL-U-LOK SKT BR SN 22-18AWG	TE Part #175150-2 AMP UNIVE. POWER CONN TAB CONT
TE Part #1123721-1 EP CONN. REC CONTACT	TE Part #NB14474001 VERSAFIT-3/8-0-FSP		

Documents

Product Drawings

PDL 3.96MM PITCH CAP HSG 12P(F)

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1903720-1_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1903720-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1903720-1_F.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](#)

[Application Specification](#)

English