

Power Double Lock

TE Internal #: 2005249-1

TE Internal Description: PDL 2P CAP 3.96 P/M(GWT) NAT

[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-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-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	50 VAC, 300 VAC
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Contact Features

Contact Layout	Inline
Contact Retention Within Housing	Without



Contact Type	Tab
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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

Panel Mount Feature	With
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Panel Mount Feature Type	Latches
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Connector Mounting Type	Panel Mount
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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	PA 66
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Dimensions

Height	9.94 mm
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Panel Thickness	.8 – 2 mm[.031 – .078 in]
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Length	26.1 mm
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Usage Conditions

Operating Temperature Range	-30 – 65 °C[-22 – 149 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Glow Wire Rating	GWT 750°C (Without Flame)
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Agency/Standard Number	C22.2 No. 182.3, UL 1977
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Agency/Standard	CNR, USR
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Packaging Features

Packaging Method	Bag
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Packaging Quantity	200
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Other

For Use With	Contacts: 177916 or 177917, Double Lock Plate 177918-1 or (GWT) 368590-1, Plug
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(GWT): 2005247

Product Compliance

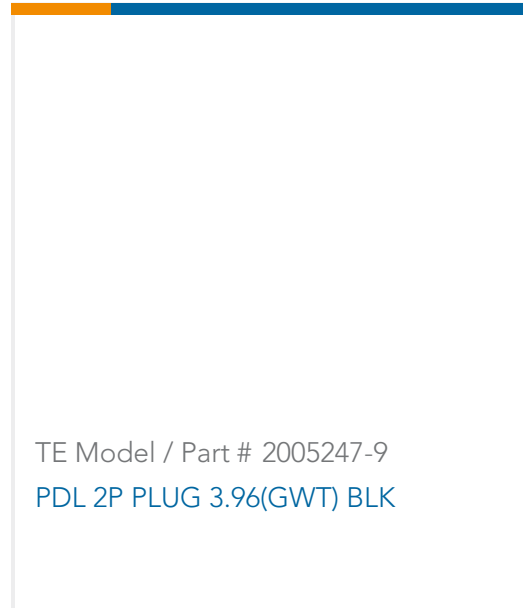
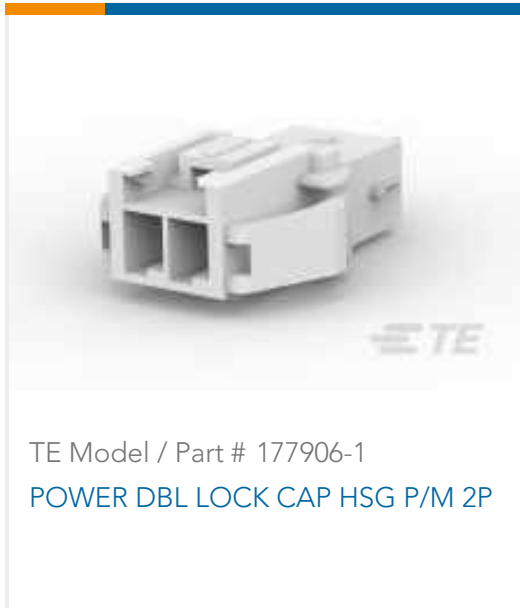
[For compliance documentation, visit the product page on TE.com>](#)

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: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

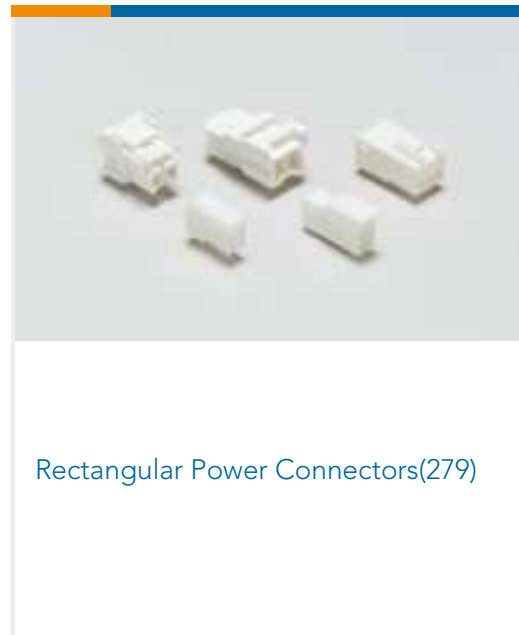
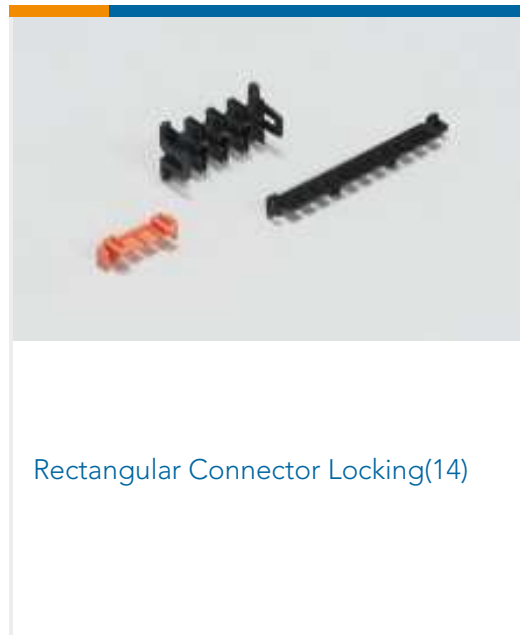
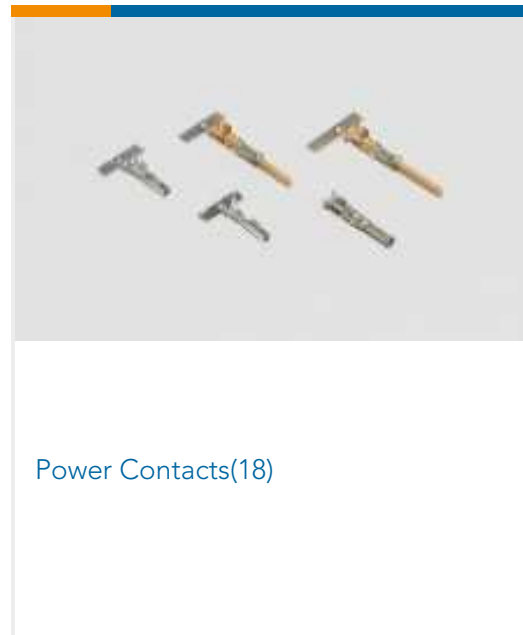
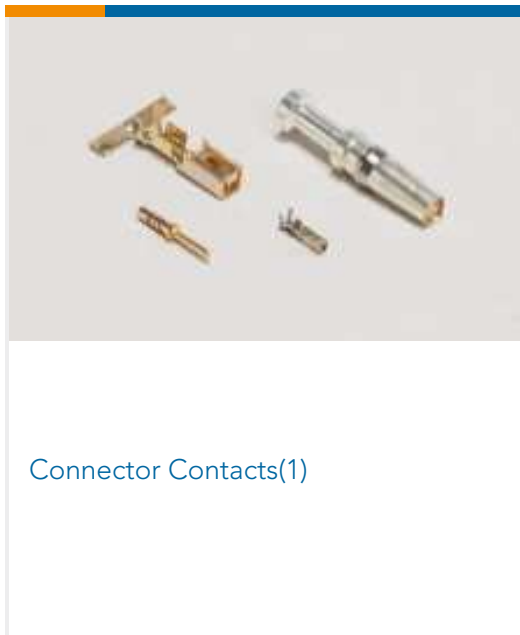
Product Compliance Disclaimer

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



Also in the Series | Power Double Lock



Customers Also Bought



Documents

Product Drawings

PDL 2P CAP 3.96 P/M(GWT) NAT

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_2005249-1_A_c-2005249-1-a.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2005249-1_A_c-2005249-1-a.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2005249-1_A_c-2005249-1-a.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[Product Compliance](#)

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English

Agency Approvals

[UL Report](#)

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