



Power Double Lock

TE Internal #: 2005247-1

2 Position, Plug, Housing, Crimp, Wire-to-Wire, UL 94V-0, 3.96 mm [.156 in] Centerline, 1 Row, 300 VAC / 50 VAC, Wire & Cable, Power Double Lock

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors > Glow Wire Power Double Lock Plug



Connector Product Type: **Housing**
Connector & Housing Type: **Plug**
Termination Method to Wire & Cable: **Crimp**
Connector System: **Wire-to-Wire**
Contact Retention Within Housing: **Without**

[All Glow Wire Power Double Lock Plug \(54\)](#)

Features

Product Type Features

Compatible With Discrete Wire Type	Stranded
Connector Product Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	2
Number of Rows	1
Number of Power Positions	0
Number of Signal Positions	0

Electrical Characteristics

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Operating Voltage	50 VAC, 300 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Layout	Inline
Contact Retention Within Housing	Without
Contact Type	Receptacle

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 Material	PA 66

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

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	500
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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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 # 2005248-9
PDL 2P CAP 3.96 F/H (GWT) BLK



TE Part # 177898-1
POWER DBL LOCK PLUG HSG 2P

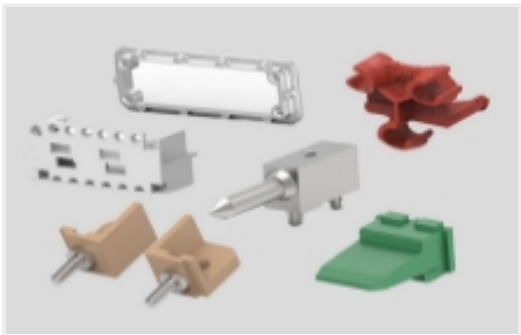


TE Part # 2005249-9
PDL 2P CAP 3.96 P/M(GWT) BLK

Also in the Series | Power Double Lock



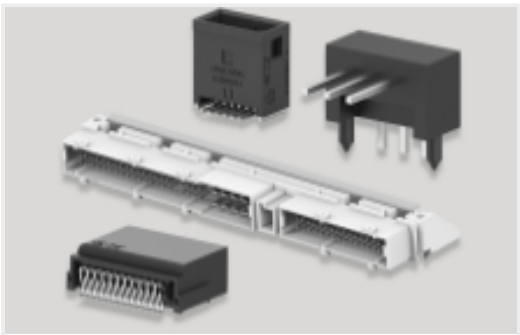
Connector Contacts(24)



Connector Hardware(13)



Insertion & Extraction Tools(2)



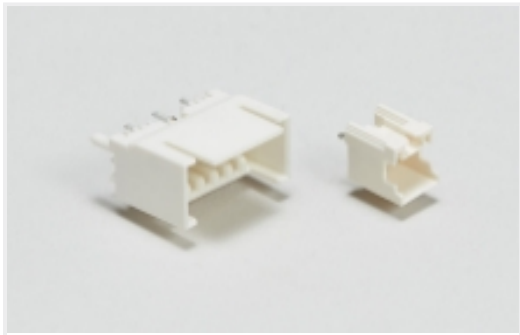
PCB Headers & Receptacles(43)



Power Contacts(24)



Rectangular Power Connectors(275)



Wire-to-Board Headers & Receptacles (43)

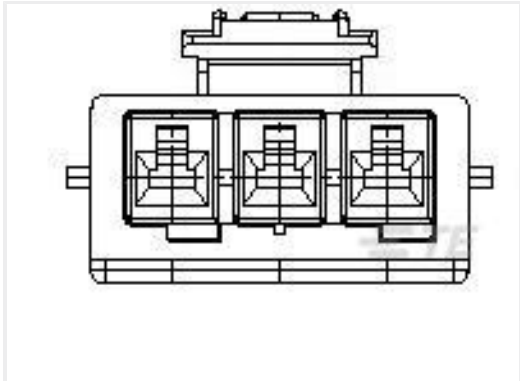
Customers Also Bought



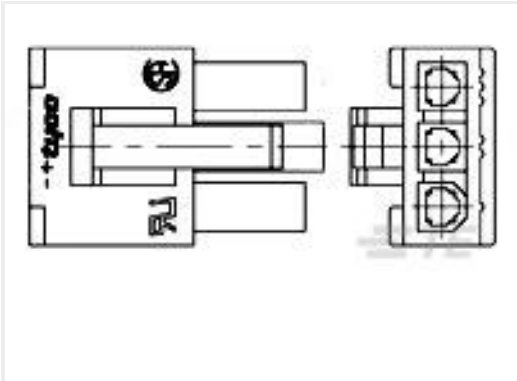
TE Part #177915-1
AMP POWER DBL LOCK REC (L)



TE Part #5-179464-1
POWER DBL LOCK CAP HSG F/H 3P (GWT)



TE Part #368571-1
PDL 3P PLUG 3.96(GWT) NAT



TE Part #2029112-3
3P RCPT SR VAL-U-LOK GW



TE Part #2296205-2
2P RCPT VAL-U-LOK GWT/V0



TE Part #2296205-8
8P RCPT VAL-U-LOK GWT/V0



TE Part #1-2381216-3
48POS,MCON 1.2,TAB HSG ASSY,SLD, COD J



TE Part #2385803-5
48POS,MCON 1.2,REC HSG ASSY,SLD, COD J



TE Part #2389098-1
2POS,MQS,TAB HSG,UNSLD,COD A



TE Part #2391298-1
28POS,NANOMQS,REC HSG,UNSLD, COD A,STD

Documents

Product Drawings

PDL 2P PLUG 3.96(GWT) NAT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2005247-1_B.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_2005247-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2005247-1_B.3d_stp.zip](#)

English

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Product Specifications

[Engineering Report](#)

English

Agency Approvals

[UL Report](#)

English