

5-177901-1 ✓ ACTIVE



Power Double Lock

TE Internal #: 5-177901-1

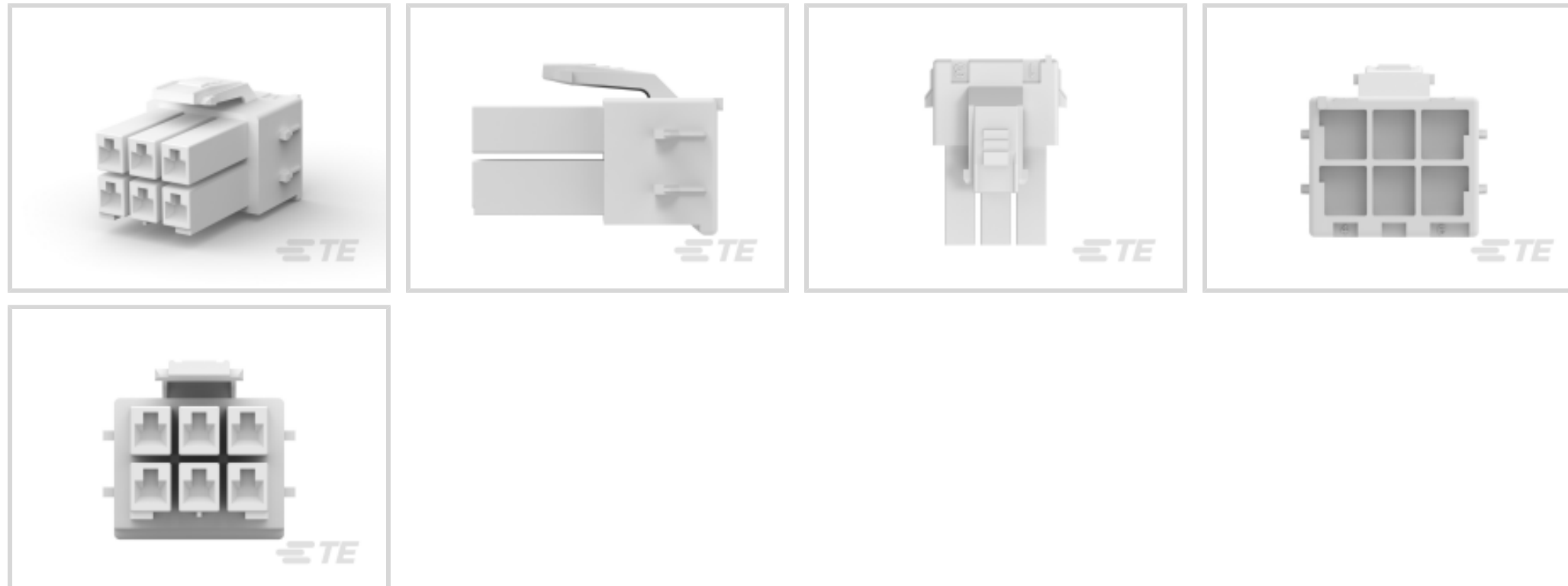
Housing, Plug, Wire-to-Wire, 6 Position, 3.96 mm [.156 in]

Centerline, Wire & Cable, UL 94V-0, Power Double Lock,

Rectangular Power Connectors

[View on TE.com >](#)

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



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Wire**

Number of Positions: **6**

Centerline (Pitch): **3.96 mm [.156 in]**

[All Glow Wire Power Double Lock Plug \(55\)](#)

Features

Packaging Features

Packaging Quantity 200

Packaging Method Bag

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 6

Number of Power Positions 6

Number of Signal Positions 0



Number of Rows	2
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Electrical Characteristics

Operating Voltage	300 VAC
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Contact Features

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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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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Usage Conditions

Operating Temperature Range	-30 – 105 °C [-22 – 221 °F]
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Operation/Application

Circuit Application	Power
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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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Other

EU RoHS Compliance	Compliant
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EU ELV Compliance	Compliant
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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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 reviewed for solder process capability


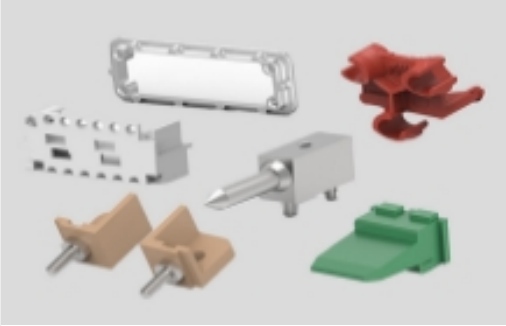

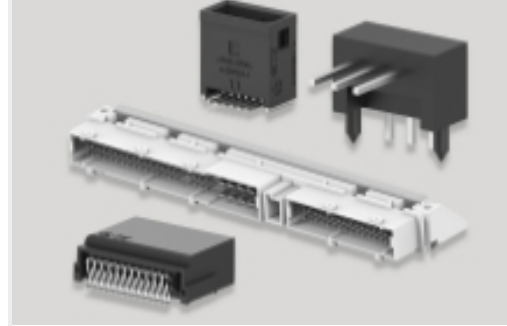
Product Compliance Disclaimer

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

 <p>TE Part # 177909-1 POWER DBL LOCK CAP HSG P/M 6P</p>	 <p>TE Part # CAT-P87024-R2435 Power Double Lock Receptacle</p>	 <p>TE Part # 177919-1 POWER DBL LOCK PLATE 3P</p>	 <p>TE Part # CAT-P87024-T111 Power Double Lock Tab</p>
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Also in the Series | Power Double Lock

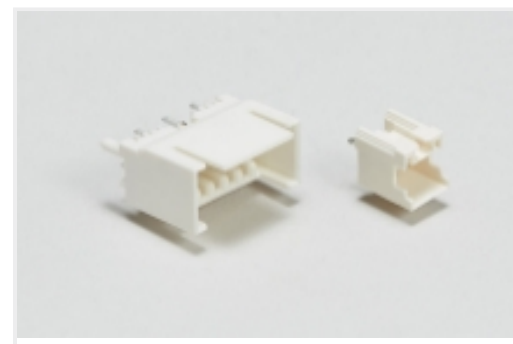
 <p>Connector Contacts(24)</p>	 <p>Connector Hardware(14)</p>	 <p>Insertion & Extraction Tools(2)</p>	 <p>PCB Headers & Receptacles(43)</p>
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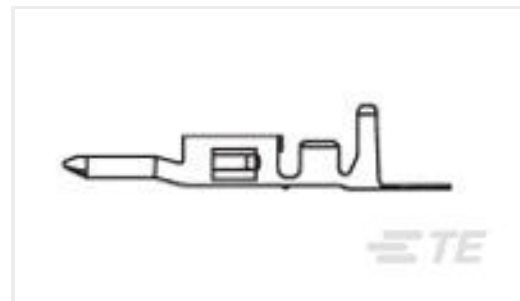
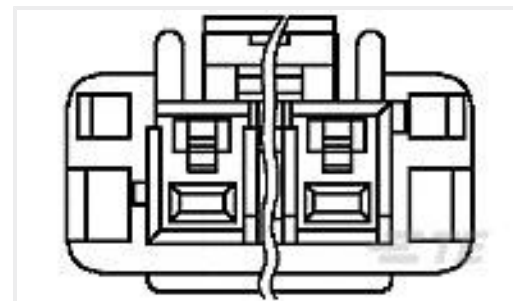
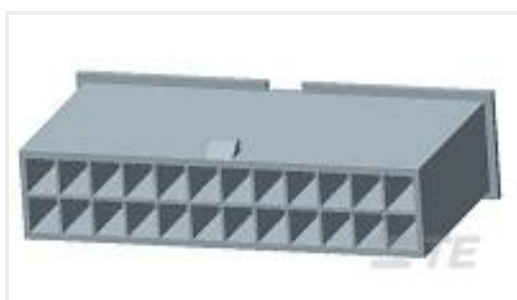
Power Contacts(24)



Rectangular Power Connectors(240)

Wire-to-Board Headers & Receptacles
(43)

Customers Also Bought

TE Part #1586849-1
03P UMNL CAP HSG NATL, GWTE Part #2238016-1
VAL-U-LOK PIN BR SN 18-22AWGTE Part #1586856-1
02P UMNL CAP HSG, GWTE Part #1969608-4
4P VAL-U-LOK TPA 22-18 AWGTE Part #521225-2
ULTRA-POD 187 ASSY REC 20-16
AWG TPBRTE Part #350700-1
UMNL SPLIT PIN PTPBRTE Part #1376391-1
5MM POWER KEY 6P PLUG HSG NUTTE Part #3-647449-1
SL156 RCPT, SPCL LUBE, LFTE Part #2296206-8
8P FH PLUG VAL-U-LOK FH GWT/V0TE Part #520988-3
ULTRA-POD 250 ASSY REC 22-18
AWG TPBR

Documents

Product Drawings

[POWER DBL LOCK PLUG HSG 6P\(GWT\)](#)

English

CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG_CVM_CVM_5-177901-1_T.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_5-177901-1_T.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-177901-1_T.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

Agency Approvals

[CSA Certificate](#)

English