

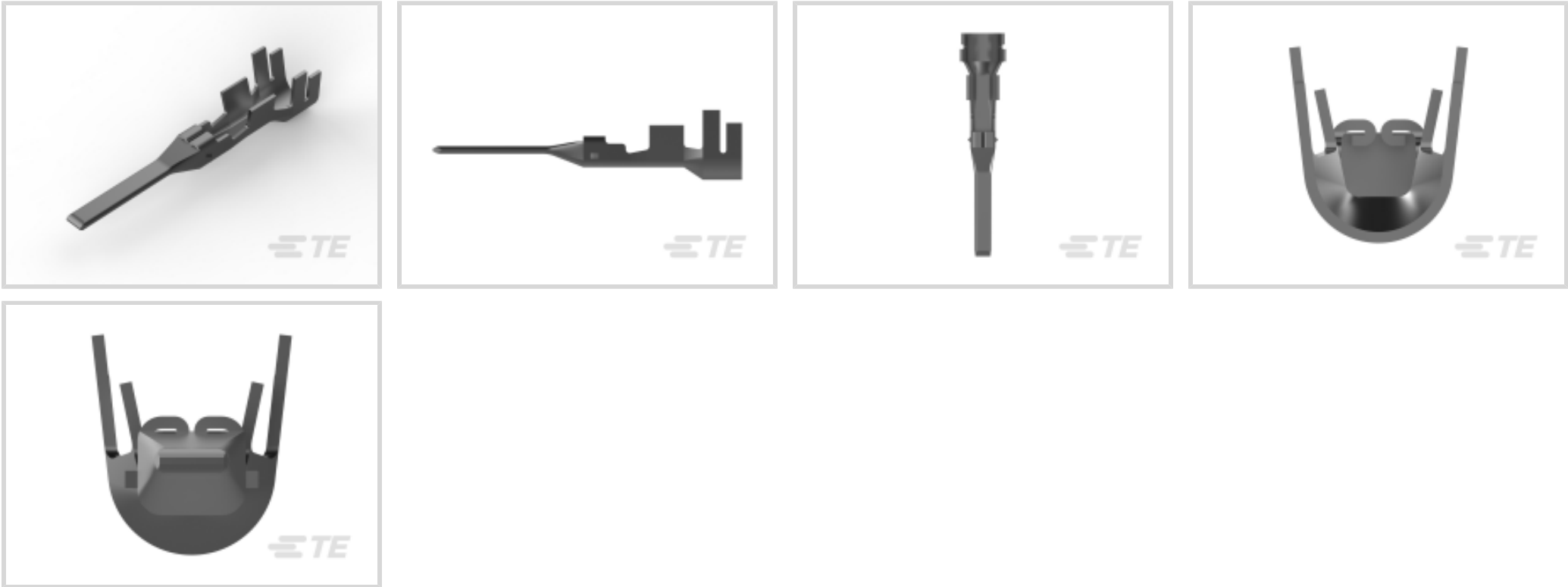


Power Double Lock

TE Internal #: 177917-1
Tab Contact, Tin, 300 VAC / 50 VAC, Locking Lance Contact Retention, 20 – 16 AWG Wire Size, .5 – 1.25 mm² Wire Size, Crimp, Power Double Lock

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts > Power Double Lock Tab



Contact Type: **Tab**
Contact Mating Area Plating Material: **Tin**
Wire Contact Termination Area Plating Material: **Pre-Tin**
Operating Voltage: **50 VAC, 300 VAC**
Contact Retention Within Housing: **With**

[All Power Double Lock Tab \(4\)](#)

Features

Product Type Features

Discrete Wire Type	Stranded
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Packaging Features

Packaging Quantity	4000
Packaging Method	Reel

Dimensions

Compatible Insulation Diameter Range	1.8 – 3.1 mm[.071 – .12 in]
Wire Size	.5 – 1.25 mm²

Mechanical Attachment

Wire Insulation Support	Without
Contact Retention Type Within Housing	Locking Lance

Contact Features

Contact Orientation	Straight
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Contact Mating Area Plating Material Thickness	.8 µm[31.49 µin]
Wire Contact Termination Area Plating Material Finish	Matte
Mating Tab Width	1.5 mm[.06 in]
Mating Tab Thickness	.5 mm[.02 in]
Wire Contact Termination Area Plating Thickness	.8 µm[31.49 µin]
Contact Type	Tab
Contact Mating Area Plating Material	Tin
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Retention Within Housing	With
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	14 A

Electrical Characteristics

Operating Voltage	50 VAC, 300 VAC
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Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable

Usage Conditions

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

Circuit Application	Power
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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

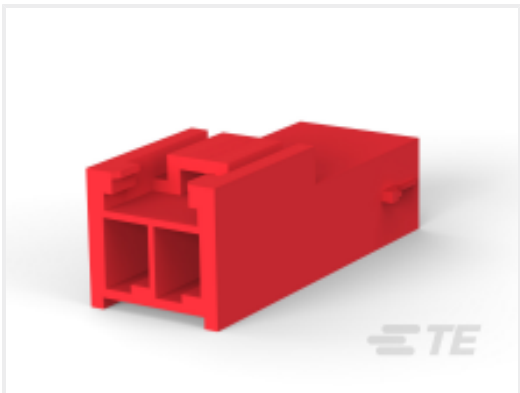


Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

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 # CAT-P87024-C1701 STD Temp Power Double Lock Cap	 TE Part # CAT-P87024-P729A Glow Wire Power Double Lock Plug	 TE Part # 177907-1 POWER DBL LOCK CAP P/M 3P	 TE Part # 177906-1 POWER DBL LOCK CAP HSG P/M 2P
 TE Part # 179463-2 DBL LOCK CAP F/H 2P RED	 TE Part # 179464-1 POWER DBL LOCK CAP HSG F/H 3P	 TE Part # 179466-1 AMP POWER DBL LOCK CAP HSG 6P	 TE Part # 316769-1 POWER D/LOCK CAP HSG 1P NATURA
 TE Part # 179463-1 POWER DBL LOCK CAP HSG F/H 2P	 TE Part # 1-179466-5 AMP POWER DBL LOCK CAP HSG 6P Black	 TE Part # 1903720-1 PDL 3.96MM PITCH CAP HSG 12P(F	 TE Part # 1903486-1 AMP PDL 6.5MM PITCH CAP HSG 4P



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



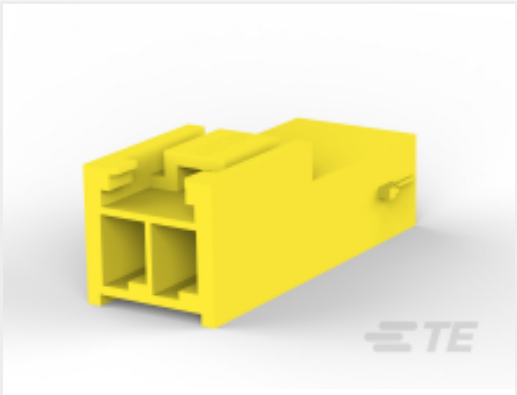
TE Part # 5-179467-1
AMP POWER DBL LOCK CAP HSG 8P (GWT)



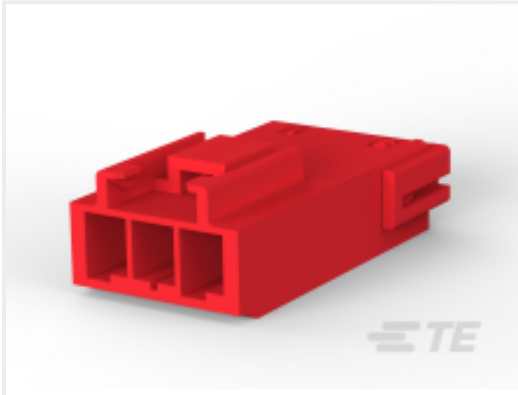
TE Part # 368588-6
PDL 6P CAP 3.96 D/R P/M(GWT) B



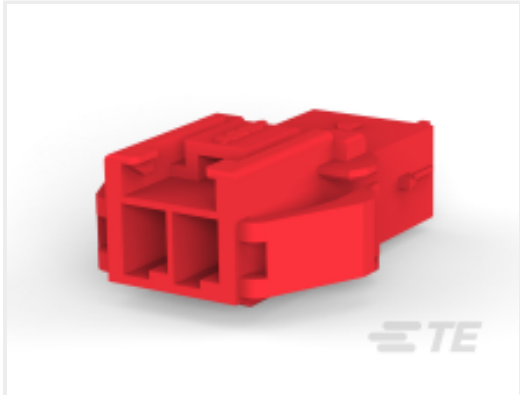
TE Part # CAT-P87024-P729
STD Temp Power Double Lock Plug



TE Part # 179463-4
AMP POWER DBL LOCK HSG 2P



TE Part # 179464-2
DBL LOCK CAP F/H 3P RED



TE Part # 177906-2
POWER DBL LOCK CAP P/M 2P RED



TE Part # 179466-4
AMP POWER DBL LOCK CAP HSG 6P

Also in the Series | **Power Double Lock**



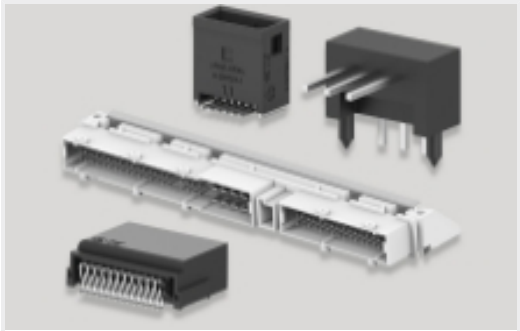
Connector Contacts(24)



Connector Hardware(14)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(43)



Rectangular Power Connectors(240)

Customers Also Bought



TE Part #177908-1
STD Temp Power Double Lock Cap



TE Part #177900-1
STD Temp Power Double Lock Plug



TE Part #177914-1
AMP POWER DBL LOCK REC (S)



TE Part #179466-1
AMP POWER DBL LOCK CAP HSG 6P



TE Part #1827387-1
GIC 3.3 PLUG HOUSING 8P



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



TE Part #462373-1
CRIMPER *MOD*

Documents

Product Drawings

AMP POWER DBL LOCK TAB (L)

English

CAD Files

Customer View Model

ENG_CVM_CVM_177917-1_K.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_177917-1_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_177917-1_K.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

Engineering Report

English

Engineering Report

English

Instruction Sheets

Instruction Sheet (non U.S.)

English

AMP POWER DOUBLELOCK CONNECTOR SERIES

English



[Agency Approvals](#)

[UL Report](#)

English