

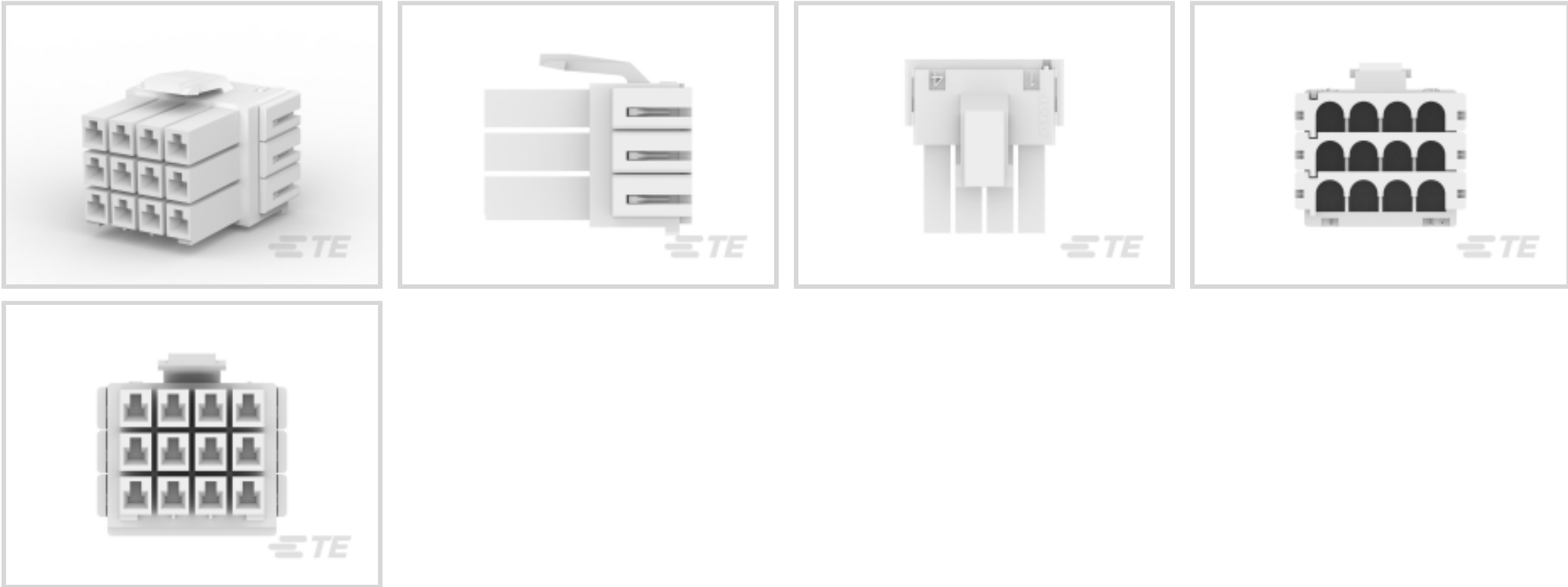


Power Double Lock

TE Internal #: 177905-1
Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 12
Position, .156 in [3.96 mm] Centerline, Wire & Cable, UL 94V-0,
Power Double Lock

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors > STD Temp Power Double Lock Plug



Rectangular Power Connector Type: **Housing**
Connector & Housing Type: **Plug**
Connector System: **Wire-to-Wire**
Number of Positions: **12**
Centerline (Pitch): **3.96 mm [.156 in]**

[All STD Temp Power Double Lock Plug \(68\)](#)

Features

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	12
Number of Rows	3

Electrical Characteristics

Operating Voltage	300 VAC
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Contact Features

Contact Layout	Matrix
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Contact Retention Within Housing	Without
Contact Type	Receptacle

Termination Features

Termination Method to Wire & Cable	Crimp
Wire/Cable Type	Discrete Wire
Wire Type	Stranded

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

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

Dimensions

Row-to-Row Spacing	4.6 mm[.181 in]
Height	13.8 mm
Accepts Wire Insulation Diameter Range	3.1 mm
Width	15.2 mm
Length	20.6 mm

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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Identification Marking

Circuit Identification Feature	With
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Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
VDE Tested	Yes
Agency/Standard	CSA, UL

Packaging Features

Packaging Method	Bag
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Packaging Quantity

120

Other

For Use With	Cap: 179467, Contacts: 177914 or 177915, Double Lock Plate, Header
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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 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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

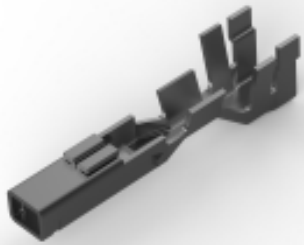
Product Compliance Disclaimer

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 # 177913-1 POWER DBL LOCK CAP HSG P/M 12P	 TE Part # CAT-P87024-R2435 Power Double Lock Receptacle	 TE Part # 177920-1 POWER DBL LOCK PLATE 3.96MM 4POS	 TE Part # 179593-1 AMP POWER D/LOCK RECONT. L/P 4POS
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TE Part # 179592-2
POWER D/LOCK REC CONT. H/P L/P



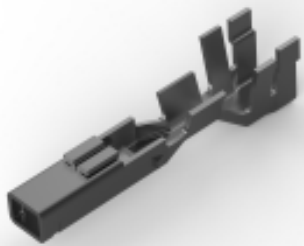
TE Part # 1903720-1
PDL 3.96MM PITCH CAP HSG 12P(F)



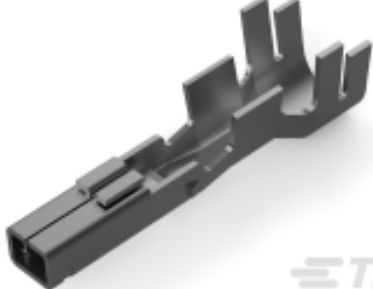
TE Part # 179843-1
AMP POWER D/LOCK T/HDR ASY 12P



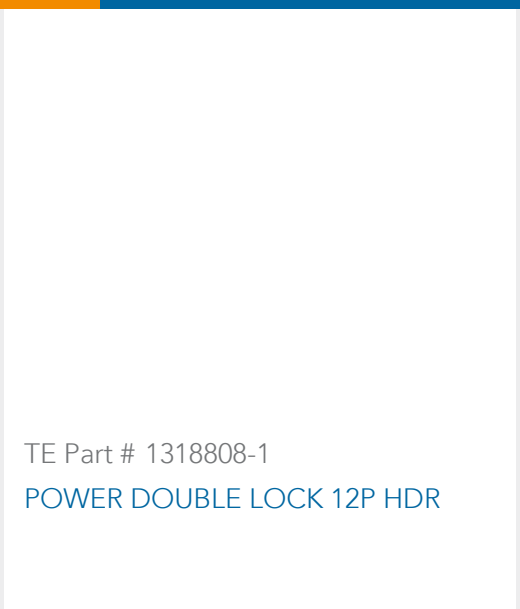
TE Part # 2005255-1
PDL 12P PLUG 3.96 T/R(GWT) NAT



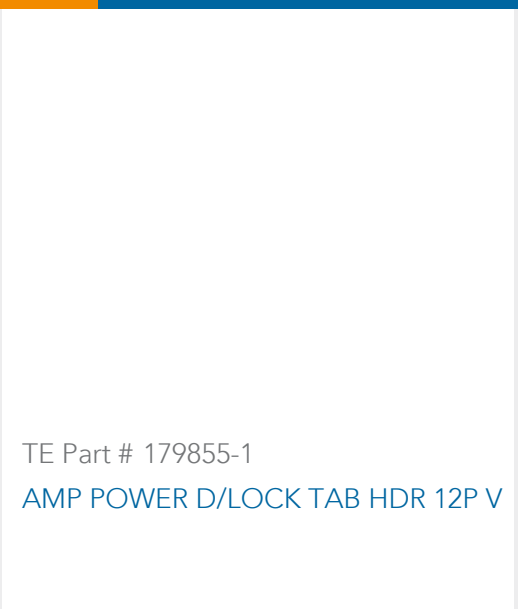
TE Part # 179592-1
AMP POWER D/LOCK REC CONT. L/P



TE Part # 179593-2
POWER D/LOCK REC CONT. H/P L/P



TE Part # 1318808-1
POWER DOUBLE LOCK 12P HDR



TE Part # 179855-1
AMP POWER D/LOCK TAB HDR 12P V

Also in the Series | Power Double Lock



Connector Contacts(1)



Insertion & Extraction Tools(2)



Power Contacts(23)



Rectangular Connector Locking(14)



Rectangular Power Connectors(284)

Customers Also Bought



TE Part #177909-1
POWER DBL LOCK CAP HSG P/M 6P



TE Part #177901-1
STD Temp Power Double Lock Plug



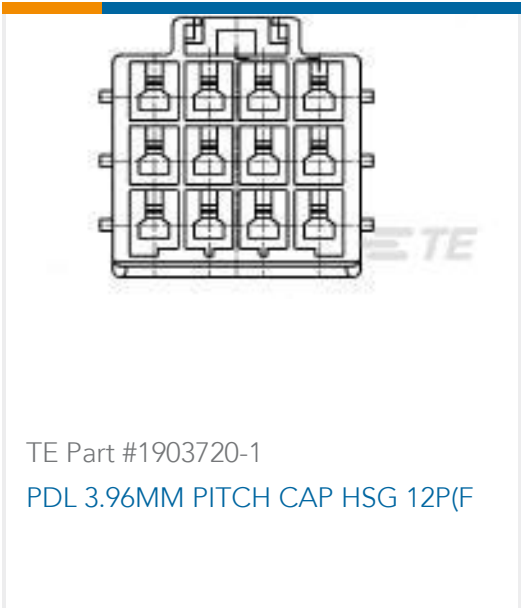
TE Part #177919-1
POWER DBL LOCK PLATE 3P



TE Part #179592-2
POWER D/LOCK REC CONT. H/P L/P



TE Part #176284-9
AMP UNIVERSAL POWER CAP 4P



TE Part #1903720-1
PDL 3.96MM PITCH CAP HSG 12P(F)



TE Part #179594-1
Power Double Lock Tab



TE Part #179593-2
POWER D/LOCK REC CONT. H/P L/P

Documents

Product Drawings

POWER DBL LOCK PLUG HSG 12P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_177905-1_N.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_177905-1_N.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_177905-1_N.3d_stp.zip

English

3D PDF

English

Customer View Model

ENG_CVM_177905-1_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_177905-1_D.3d_igs.zip

English

Customer View Model

ENG_CVM_177905-1_D.3d_stp.zip

English

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Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Product Specification

English



Product Environmental Compliance

[TE Material Declaration](#)

English

Instruction Sheets

[Instruction Sheet \(non U.S.\)](#)

English

AMP POWER DOUBLELOCK CONNECTOR SERIES

English

Agency Approvals

[UL Report](#)

English