179840-1 ✔ ACTIVE

Power Double Lock

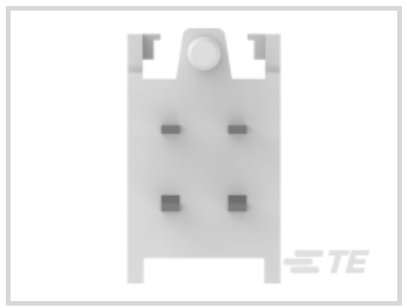
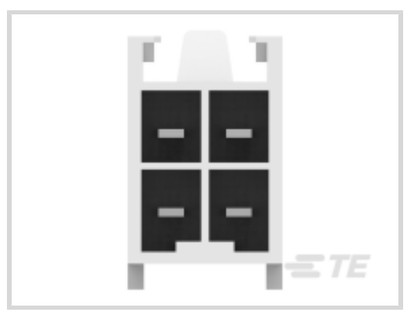
TE Internal #: 179840-1

PCB Mount Header, Vertical, Wire-to-Board, 4 Position, 3.96 mm [.156 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Power Double Lock

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Columns	2
Number of Loaded Positions	4
Number of Power Positions	4

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	4
Number of Rows	2

Electrical Characteristics

Operating Voltage	50 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.8 – 1.8 µm[31.49 – 70.86 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Size	1.5mm
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
Mating Tab Width	1.5 mm[.06 in]
Contact Shape & Form	Rectangular
PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
Contact Layout	Matrix
Contact Base Material	Copper Alloy
Mating Tab Thickness	.5 mm[.02 in]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	9 A

Termination Features

Rectangular Termination Post & Tail Width	1.1 mm[.043 in]
Rectangular Termination Post & Tail Thickness	.5 mm[.02 in]
Termination Post & Tail Length	3.8 mm[.15 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without

Mating Retention Type	Locking Latch
Mating Retention	With
PCB Mount Retention Type	Kinked
Mating Alignment Type	Polarization
PCB Mount Alignment Type	Boss
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Mating Entry Location	Top
Housing Material	Nylon 6/6 GF
Centerline (Pitch)	3.96 mm[.156 in]

Dimensions

Row-to-Row Spacing	4.6 mm[.181 in]
Connector Width	9.1 mm[.358 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	14.6 mm[.575 in]
Connector Length	14.8 mm[.582 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

Operation/Application

Circuit Application	Power

Industry Standards

Compatible With Agency/Standards Products	UL, VDE, CSA
Compatible With Approved Standards Products	UL E28476
Glow Wire Rating	GWT 750°C (Without Flame) According IEC 60335-1 Edition 06/2001
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	392

Packaging Method	Box

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	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

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-P729
STD Temp Power Double Lock Plug



TE Part # 2301329-1
PDL 4P PLUG 3.96MM,DR (GWT)

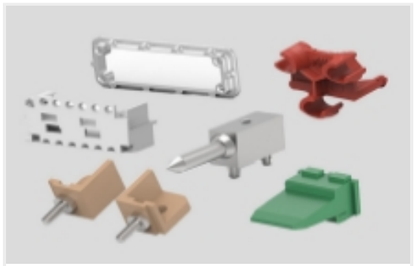


TE Part # 179839-9
AMP POWER D/LOCK T/HDR ASSY 3P

Also in the Series | Power Double Lock



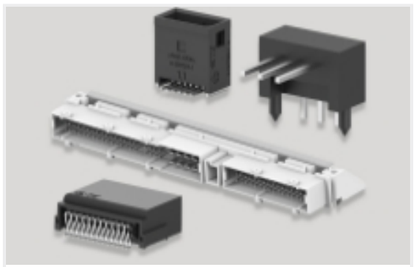
Connector Contacts(24)



Connector Hardware(14)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(43)



Rectangular Power Connectors(240)

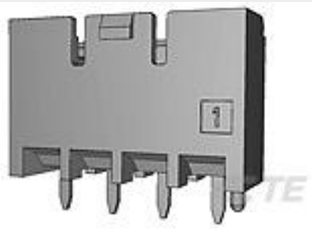
Customers Also Bought



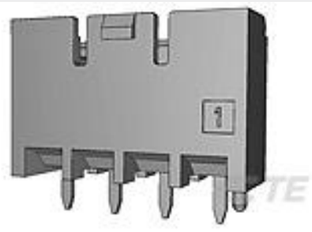
TE Part #177901-1
POWER DBL LOCK PLUG HSG 6P



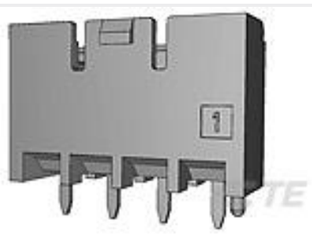
TE Part #1376386-1
5mm B-T-W Conn. 4P(2row) HDR A



TE Part #2-1376382-3
5mm B-T-W Conn. 2P HDR ASSEMBL



TE Part #1376382-1
5mm B-T-W Conn. 2P HDR ASSEMBL



TE Part #2-1376383-3
5MM B-T-W CONN. 3P HDR ASSEMBL



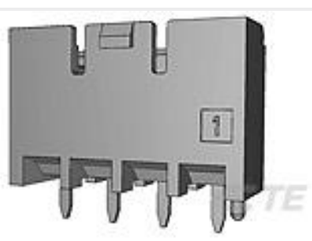
TE Part #179844-1
AMP POWER D/LOCK T/HDR ASSY 2P



TE Part #179840-6
AMP POWER D/LOCK T/HDR ASSY 4P



TE Part #1827391-1
GIC 3.3 HDR ASSY 4P



TE Part #1-1376382-2
5mm B-T-W Conn. 2P HDR ASSEMBL



TE Part #179846-1
AMP POWER D/LOCK T/HDR ASSY 3P

Documents

Product Drawings

AMP POWER D/LOCK T/HDR ASSY 4P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_179840-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_179840-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_179840-1_B.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

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (non U.S.)

English

AMP POWER DOUBLELOCK CONNECTOR SERIES

English

Agency Approvals

CSA Certificate

English