



Power Double Lock

TE Internal #: 179849-1
PCB Mount Header, Vertical, Wire-to-Board, 6 Position, 6.5 mm [.255 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, Power Double Lock

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Wire-to-Board**
Number of Positions: **6**
Number of Rows: **2**

Features

Product Type Features

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

Configuration Features

Number of Columns	3
Number of Loaded Positions	6
Number of Power Positions	6
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical



Number of Positions	6
Number of Rows	2

Electrical Characteristics

Operating Voltage	300 VAC
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Body Features

Primary Product Color	Natural
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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 (Sn)
Contact Type	Tab
Contact Current Rating (Max)	8 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



Mating Alignment Type	Polarization
PCB Mount Retention Type	Kinked
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)	6.5 mm[.255 in]

Dimensions

Row-to-Row Spacing	6.5 mm[.256 in]
Connector Width	17.3 mm[.681 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	14.6 mm[.575 in]
Connector Length	18.5 mm[.728 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power
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Industry Standards

Compatible With Agency/Standards Products	UL
Compatible With Approved Standards Products	UL 1977
Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	168
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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

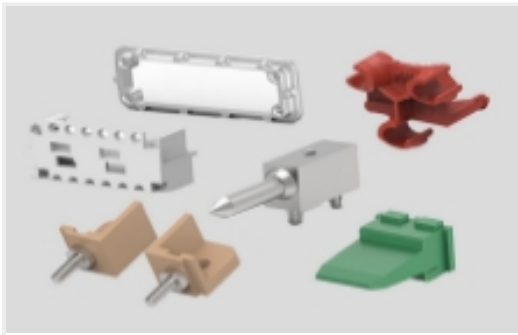
TE Part # 5-179862-1
AMP POWER D/LOCK PLUG HSG 6P (GWT)

TE Part # 179862-1
AMP POWER D/LOCK PLUG HSG 6P

Also in the Series | Power Double Lock



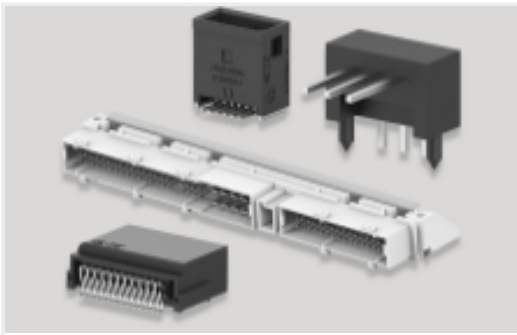
Connector Contacts(24)



Connector Hardware(14)



Insertion & Extraction Tools(2)



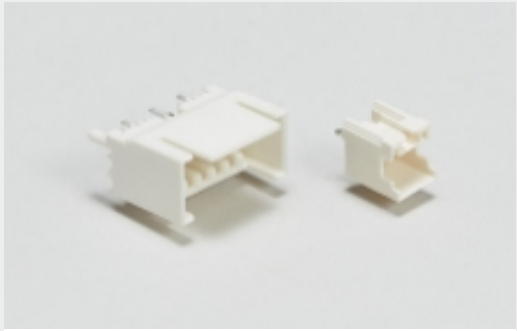
PCB Headers & Receptacles(43)



Power Contacts(24)



Rectangular Power Connectors(283)

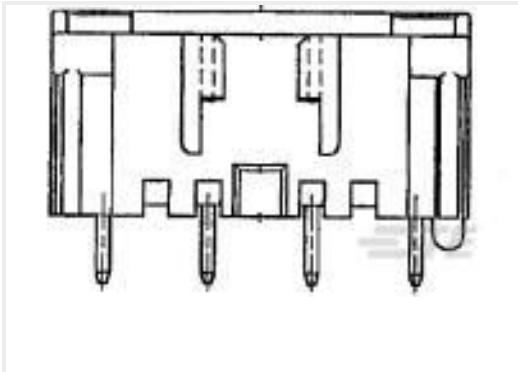


Wire-to-Board Headers & Receptacles (43)

Customers Also Bought



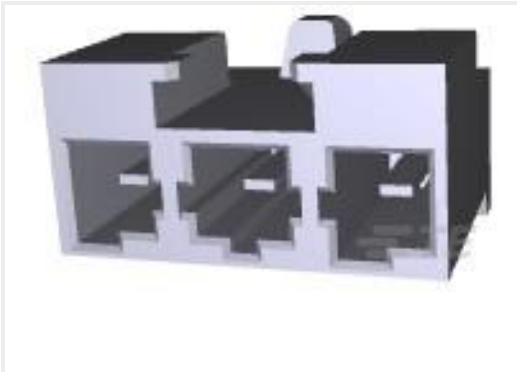
TE Part #1-2232532-2
2P, PL RAST 5 Tab Header,TH, Vertical



TE Part #353351-1
2.5 S.D.L HDR ASSY 4P STD 5MM



TE Part #1747996-1
GHC EYELET 12.4 2POS HEADER ASSY NATURAL



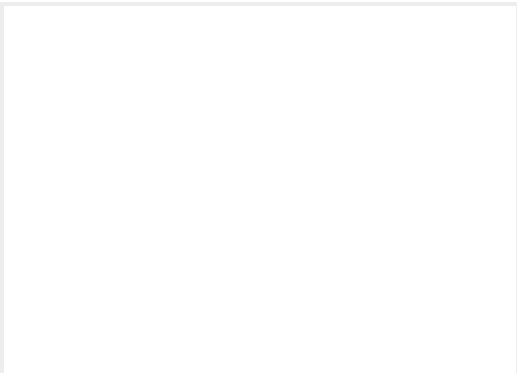
TE Part #179846-1
AMP POWER D/LOCK T/HDR ASSY 3P



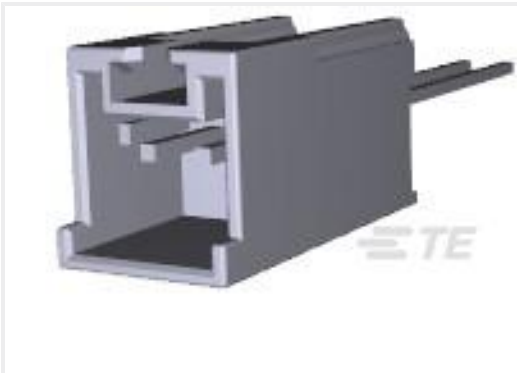
TE Part #1747996-2
GHC EYELET 12.4 2POS HEADER ASSY RED



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



TE Part #2405963-4
4P, RAST 5 HEADER, PL, SHROUDED W FEET



TE Part #917722-1
2.5 SIGNAL D/LOCK HDR ASSY 2P



TE Part #917724-1
2.5 S.D.LOCK HDR ASSY 4P H/PRO



TE Part #1-1123824-1
EP 1P HDR NATURAL

Documents



Product Drawings

AMP POWER D/LOCK T/HDR ASSY 6P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_179849-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_179849-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_179849-1_A.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

UL Report

English