



Power Double Lock

TE Internal #: 179846-1
Rectangular Power Connectors, Header, Receptacle, Wire-to-Board, 3 Position, .255 in [6.5 mm] Centerline, Printed Circuit Board, Power Double Lock

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



Rectangular Power Connector Type: **Header**
Connector & Housing Type: **Receptacle**
Connector System: **Wire-to-Board**
Number of Positions: **3**
Centerline (Pitch): **6.5 mm [.255 in]**

[All STD Temp Power Double Lock Header \(22\)](#)

Features

Product Type Features

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	3
PCB Mount Orientation	Vertical
Number of Power Positions	3
Number of Signal Positions	0
Number of Rows	1



Electrical Characteristics

Operating Voltage	300 VAC
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Contact Features

Contact Layout	Inline
Contact Current Rating (Max)	14 A
Contact Retention Within Housing	Without
Contact Type	Tab
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	1 μm[39.37 μin]
Contact Termination Area Plating Thickness	1 μm[39.37 μin]

Termination Features

Termination Post & Tail Length	3.8 mm[.148 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Post
Connector Mounting Type	Board Mount
Mating Retention	With
Mating Retention Type	Latch

Housing Features

Centerline (Pitch)	6.5 mm[.255 in]
Housing Color	Natural
Housing Material	Nylon 6/6 GF

Dimensions

Accepts Wire Insulation Diameter Range	3.1 mm
Width	9.4 mm
PCB Thickness (Recommended)	.06 mm[1.6 in]
Height	14.5 mm



Length	10.8 mm
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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
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	C22.2 No. 182.3, E28476
Agency/Standard	CNR, UL
VDE Tested	Yes

Packaging Features

Packaging Method	Box & Tray, Tray
Packaging Quantity	240

Other

For Use With	Contacts: 177914 or 177915, Plug
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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	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 # 179938-1
AMP POWER DBL LOCK PLUG HSG 3P

TE Part # 368570-9
PDL 3P PLUG 6.5(GWT) BLK

TE Part # 368570-2
PDL 3P PLUG 6.5(GWT) RED

Also in the Series | Power Double Lock

Connector Contacts(1)

Insertion & Extraction Tools(2)

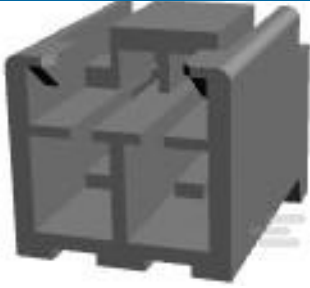
Power Contacts(23)

Rectangular Connector Locking(14)

Rectangular Power Connectors(284)

Customers Also Bought





TE Part #9-176975-1
AMP UNIVERSAL POWER PLG 2P PCB



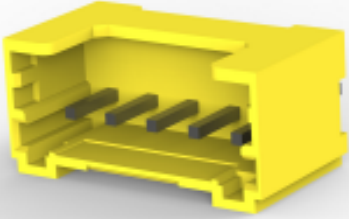
TE Part #179846-6
AMP POWER D/LOCK T/HDR ASSY 3P



TE Part #5-1376492-7
2.5 SMC HDR 7POS WHITE TAPE



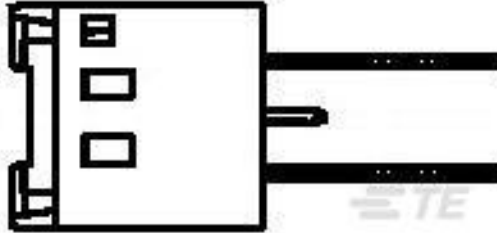
TE Part #3-176976-2
UNIV POWER HDR ASSY 3P RED



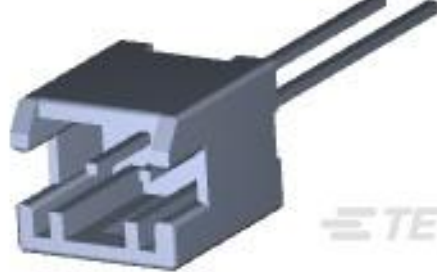
TE Part #3-1971032-5
5POS HEADER ASSEMBLY FOR GIC 2.0 EV



TE Part #5-1376492-6
2.5 SMC HDR 6POS WHITE TAPE



TE Part #1871845-3
GIC 2.5 ON TAPE HDR TIN VERSION 3P



TE Part #5-1376492-2
2.5 SMC HDR 2P WHITE TAPE

TE Part #1-1971032-6
6POS HEADER ASSEMBLY FOR GIC 2.0 EV

Documents

Product Drawings

AMP POWER D/LOCK T/HDR ASSY 3P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_179846-1_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_179846-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_179846-1_C.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

Product Specification

English

Product Environmental Compliance

MD_179846-1_08212018651_dmtec

English

MD_179846-1_08212018651_dmtec

English

Instruction Sheets

Instruction Sheet (non U.S.)

English

AMP POWER DOUBLELOCK CONNECTOR SERIES

English

Agency Approvals

UL Report

English

UL Report

English