

Power Double Lock

TE Internal #: 917745-1

PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 13 mm [.511 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Power Double Lock

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Connectors > PCB Connectors > PCB Headers & Receptacles



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

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

Number of Positions: **3**

Number of Rows: **1**

Centerline (Pitch): **13 mm [.511 in]**

Features

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 Power Positions	2
Number of Columns	3
Number of Loaded Positions	2
Connector Contact Load Condition	Selectively Loaded
Number of Positions	3
Number of Rows	1



PCB Mount Orientation	Vertical
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Electrical Characteristics

Operating Voltage	300 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Size	1.5mm
PCB Contact Termination Area Plating Material Thickness	1 μm[39.37 μin]
Contact Layout	Inline
Mating Tab Width	1.5 mm[.06 in]
Mating Tab Thickness	.5 mm[.02 in]
Contact Underplating Material Thickness	.8 – 1.8 μm[31.49 – 70.86 μin]
Contact Mating Area Plating Material Thickness	1 μm[39.37 μin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Rectangular
Contact Mating Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	14 A

Termination Features

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

Mechanical Attachment

PCB Mount Alignment Type	Boss
Mating Alignment Type	Polarization
Mating Retention	With
Panel Mount Feature	Without



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

Housing Features

Mating Entry Location	Top
Housing Material	Nylon 6/6 GF
Centerline (Pitch)	13 mm[.511 in]

Dimensions

Connector Length	18.5 mm[.728 in]
Connector Height	14.6 mm[.575 in]
Connector Width	10.8 mm[.425 in]
PCB Thickness (Recommended)	1.6 mm[.063 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

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	240
Packaging Method	Box

Other

Position Locations Omitted	2
Number of Blocked Positions	1

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 # 179938-1
AMP POWER DBL LOCK PLUG HSG 3P

Also in the Series | Power Double Lock

Connector Contacts(24)

Connector Hardware(14)

Insertion & Extraction Tools(2)

PCB Headers & Receptacles(43)

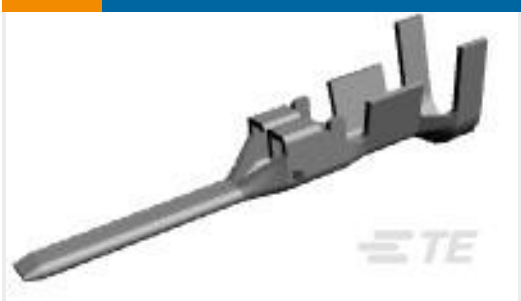


[Rectangular Power Connectors\(240\)](#)

Customers Also Bought



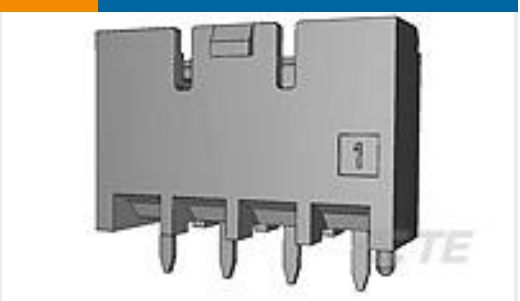
TE Part #DT04-3P-E005
[REC, 3P, BLK, N, CAP](#)



TE Part #1565080-1
[GRACE INERTIA 3.5 TAB CONTACT\(L\)](#)



TE Part #179838-1
[AMP POWER D/LOCK T/HDR ASSY 2P](#)



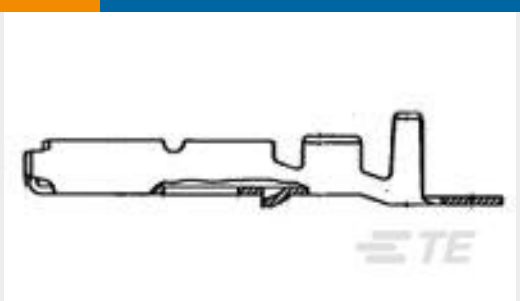
TE Part #1376385-1
[5mm B-T-W Conn. 6P HDR ASSEMBL](#)



TE Part #1376383-1
[5mm B-T-W Conn. 3P HDR ASSEMBL](#)



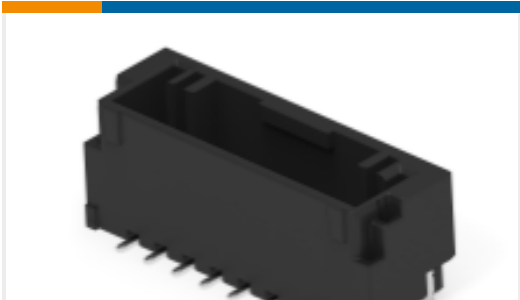
TE Part #4-1971905-6
[PLUG HOUSING 12POS,KEYING-D, NEW GIC3.3](#)



TE Part #172773-1
[MIC MK-2 REC B TYPE](#)



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



TE Part #2-2360547-8
[SGI 1.5 HDR, 8P, VT, Key B, Black](#)



TE Part #1-2426397-3
[SGI 1.5 PLUG HSG, 6P, KEY B, RED](#)

Documents

Product Drawings

[AMP POWER D/L TAB HDR ASY 2P V](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_917745-1_C.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_917745-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_917745-1_C.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_917745-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_917745-1_B.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_917745-1_B.2d_dxf.zip](#)

English

[3D PDF](#)

English

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Datasheets & Catalog Pages

[SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG](#)

English

Product Specifications

[Application Specification](#)

English