



Power Double Lock

TE Internal #: 917353-1
PCB Mount Header, Vertical, Wire-to-Board, 12 Position, 6.5 mm [.256 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: **12**
Number of Rows: **2**
Centerline (Pitch): **6.5 mm [.256 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	12
Number of Columns	6
Number of Loaded Positions	12
Connector Contact Load Condition	Fully Loaded
Number of Positions	12
Number of Rows	2



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	Matrix
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)	7 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)	6.5 mm[.256 in]

Dimensions

Connector Length	38 mm[1.496 in]
Connector Height	14.6 mm[.575 in]
Connector Width	17.3 mm[.681 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Row-to-Row Spacing	6.5 mm[.256 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	77
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 # 917354-1
AMP POWER D/LOCK PLUG HDR 12P

TE Part # 2-917354-1
POWER DBL LOCK PLUG 6.5 12P

TE Part # 6-917354-1
AMP POWER D/LOCK PLUG HSG 12P
NAT(GWT)

Also in the Series

Power Double Lock

Connector Contacts(24)

Connector Hardware(14)

Insertion & Extraction Tools(2)

PCB Headers & Receptacles(43)

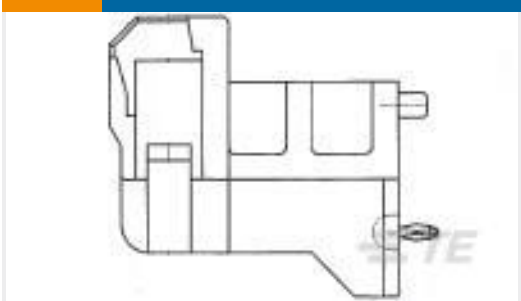


Rectangular Power Connectors(240)

Customers Also Bought



TE Part #1565476-1
025 16POS CAP ASSY V TIN



TE Part #6318372-1
SMARTEC CONN. H HDR ASSY



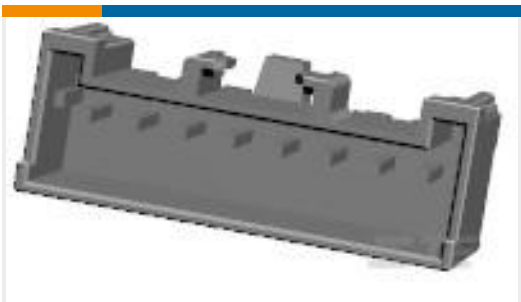
TE Part #917731-1
2.5 S.D.L P.HDR ASY 11P H/PRO.



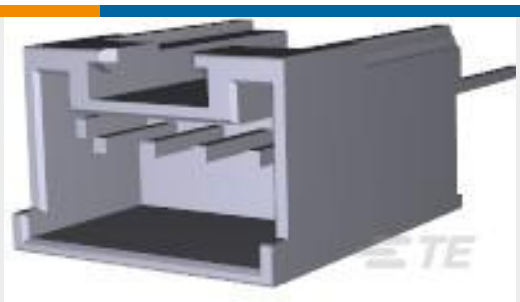
TE Part #316221-1
2.5S.D.L HI-PRO V 2P ON/TAPE



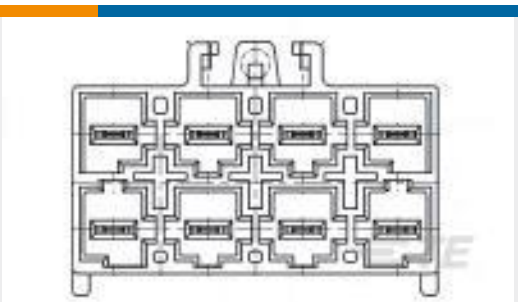
TE Part #316224-1
2.5 S.D.L HI-PRO V 5P ON/TAPE



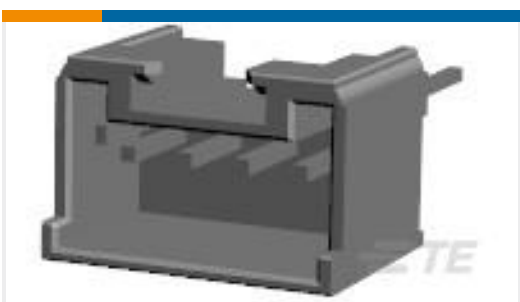
TE Part #917900-1
2.5 S.D.L STD V 8P HDR ON/TAPE



TE Part #316223-1
2.5 S.D.L HI-PRO V 4P ON/TAPE



TE Part #1827197-1
AMP PDL 6.5MM PITCH 8P ASS'Y



TE Part #917896-1
2.5 S.D L STD V 4P HDR ON/TAPE



TE Part #316222-1
2.5 S.D.L HI-PRO V 3P ON/TAPE

Documents

Product Drawings

AMP POWER D/LOCK T/HDR ASY 12P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_917353-1_E.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_917353-1_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_917353-1_E.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