TE Internal #: 2-171826-3

PCB Mount Header, Horizontal, Wire-to-Board, 3 Position, 5 mm [. 197 in] Centerline, Partially Shrouded, Tin (Sn), Through Hole - Solder, Signal, Black

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: PCB Mount Header

PCB Mount Orientation: Horizontal Connector System: Wire-to-Board

Number of Positions: 3

Number of Rows: 1

Features

Product Type Features

PCB Connector Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Partially Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

PCB Mount Orientation	Horizontal
Number of Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC
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Body Features

Connector Profile	Low
Primary Product Color	Black

Contact Features

Contact Mating Area Plating Material Thickness	.8 μm[31.49 μin]
Mating Square Post Dimension	.64 mm[.025 in]



PCB Contact Termination Area Plating Material Thickness	.8 μm
Contact Shape & Form	Square
Contact Mating Area Length	7.5 mm[.295 in]
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Pin
Contact Current Rating (Max)	5 A
Termination Features	
Termination Post & Tail Length	3.6 mm[.142 in]
Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Through Hole - Solder
Mechanical Attachment	
Panel Mount Feature	Without
Mating Retention Type	Polarized Lock
Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Retention Type	Retention Solder Tails
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With
Housing Features	
Housing Material	6/6 Nylon
Centerline (Pitch)	5 mm[.197 in]
Dimensions	
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	6.7 mm[.264 in]
Connector Length	7.5 mm[.295 in]
Usage Conditions	
Operating Temperature Range	-20 - 95 °C[-4 - 203 °F]
Operation/Application	



Circuit Application	Signal
Industry Standards	
Compatible With Agency/Standards Products	UL
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	1000
Packaging Method	Bag, 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 2018 (181) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts





Customers Also Bought

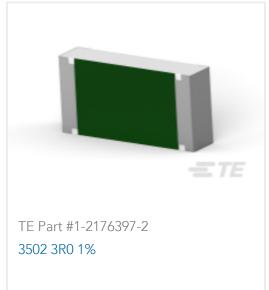




















Documents

Product Drawings

H-TYPE E.I.S.CONN. 3P ASSY

English

H-TYPE E.I.S.CONN. 3P ASSY

English

CAD Files

3D PDF

3D



Customer View Model

ENG_CVM_CVM_2-171826-3_Y3.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-171826-3_Y3.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-171826-3_Y3.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use

Datasheets & Catalog Pages

1-1773972-5_EIS_Connectors_Brochure

English

Product Specifications

Crimping of AMP El Series Connector Contacts

Japanese

Application Specification

Japanese

Agency Approvals

Agency Approval Document

English