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1775317-2

HPI.,2.5MM PITCH,V/T,SMT TYPE,2 POS



HPI

TE Internal #: **1775317-2**
TE Internal Description: **HPI.,2.5MM PITCH,V/T,SMT TYPE,2 POS**

PCB Connector Assembly Type : **PCB Mount Header**
PCB Mount Orientation : **Vertical**
Connector System : **Wire-to-Board**
Number of Positions : **2**
Centerline (Pitch) : **2.5 mm [.098 in]**

Similar Products

Compatible Parts & Tooling

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Product Drawings

HPI.,2.5MM PITCH,V/T,SMT TYPE,2 POS
HPI.,2.5MM PITCH,V/T,SMT TYPE,2 POS
(TIFF AVAILABLE) English

CAD Files

PCB Design
CAD Models from Ultra Librarian
3D PDF
3D_CVM_CVM_1775317-2_A.pdf 3D
Customer View Model
ENG_CVM_CVM_1775317-2_A.2d_dxf.zip
English
ENG_CVM_CVM_1775317-2_A.3d_igs.zip
English
ENG_CVM_CVM_1775317-2_A.3d_stp.zip
English

Datasheets & Catalog Pages

1-1773713-2_HIGH_PERFORMANCE_INTERCONNECT_QUICK_REFERRENCE_GUIDE_EN
ENG_DS_1-1773713-2_HPI_QRG_EN_0114_1-1773713-2HPI_Connectors_0114.pdf English

Product Specifications

Product Specification
S_108-57099_D.pdf English

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AMP 2.5mm Pitch HPI High Performance Interconnector(Low Cost) Wire-To-Board System

S_108-57099_D.tif English

AMP 2.5mm Pitch HPI High Performance Interconnect(Low Cost) Wire-To-Board

S_501-57057_A.tif English

Qualification Test Report

S_501-57057_A.pdf English

Agency Approvals

UL

ENG_AAD_UL_E28476_20001207__C.pdf English

UL Report

ENG_AAD_UL_CERT_ML_E186634_E28476_2000120_A.pdf English

Please review product documents or contact us for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

Product Type Features

PCB Connector Assembly Type : **PCB Mount Header**
Connector System : **Wire-to-Board**
Header Type : **Shrouded**
Sealable : **No**
Connector & Contact Terminates To : **Printed Circuit Board**
Wire/Cable Type : **Discrete Wire**

Configuration Features

Connector Contact Load Condition : **Fully Loaded**
PCB Mount Orientation : **Vertical**
Number of Positions : **2**
Number of Rows : **1**

Electrical Characteristics

Operating Voltage (VAC): **250**
Operating Voltage (VDC): **250**

Contact Features

Contact Base Material : **Brass**
PCB Contact Termination Area Plating Material : **Tin**
Contact Shape : **Square**
Contact Mating Area Plating Material : **Tin**
Contact Mating Area Plating Material Finish : **Matte**
Contact Mating Area Plating Material Thickness : **2 µm [80 µin]**
Contact Type : **Pin**
Contact Current Rating (Max) (A): **3**
PCB Contact Termination Area Plating Thickness (µm): **2**
PCB Contact Termination Area Plating Material Finish : **Matte**
Mating Post Length : **3.5 mm [.138 in]**
Contact Layout : **Inline**

Termination Features

Termination Method to Printed Circuit Board : **Surface Mount**
Termination Method to Wire & Cable : **Crimp**
Termination Post & Tail Length : **2 mm [.079 in]**
Terminations per Post (Max) : **3**

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Mechanical Attachment	PCB Mount Retention Type : **Solder Peg** Mating Alignment : **With** Mating Alignment Type : **Polarization** PCB Mount Alignment : **Without** Mating Retention : **Without** PCB Mount Retention : **With** Connector Mounting Type : **Board Mount** Strain Relief : **Without** Contact Retention : **Without**
Housing Features	Centerline (Pitch) : **2.5 mm [.098 in]** Housing Color : **Natural** Housing Material : **PA 9T GF**
Dimensions	Wire Size (AWG): **26 – 22** Accepts Wire Insulation Diameter Range : **1 – 1.9 mm [.039 – .075 in]** PCB Thickness (Recommended) : **.8 mm [.031 – .063 in]** Length : **9.5 mm [.374 in]** Height : **6.4 mm [.252 in]** Width : **4.8 mm [.189 in]**
Usage Conditions	Operating Temperature Range : **-25 – 85 °C [-13 – 185 °F]**
Operation/Application	Circuit Application : **Signal**
Industry Standards	UL Flammability Rating : **UL 94V-0**
Packaging Features	Packaging Quantity : **500** Packaging Method : **Reel**
EU RoHS Directive 2011/65/EU	*This declaration covers EU Directive 2011/65/EU incl. Delegated Directive 2015/863/EU. The restrictions under 2015/863/EU apply as of 22 July 2021 for EEE categories 8 (medical devices) and 9 (monitoring and control equipment).*
EU ELV Directive 2000/53/EC	
China RoHS 2 Directive MIIT Order No 32, 2016	
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: **JAN 2019 (197)** Candidate List Declared Against: **JUN 2013 (144)**

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Halogen Content	
Solder Process Capability	Wave solder capable to 265°C
Statement of Compliance	Statement of Compliance pdf
Compliance Documents	There may be Environmental Compliance related documents on the DOCUMENTATION Tab
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.

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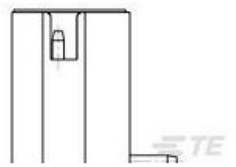
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WIRE-TO-BOARD HEADERS &...

1775317-2

HPI., 2.5MM PITCH, V/T, SMT TYPE, 2 POS



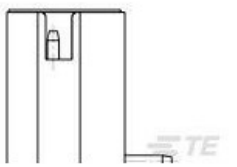
Non-Stocked

PCB Connector Assembly Type : **PCB Mount Header**
PCB Mount Orientation : **Vertical**
Connector System : **Wire-to-Board**
Number of Positions : **2**
Centerline (Pitch) : **2.5 mm**

WIRE-TO-BOARD HEADERS &...

1-1775317-4

HPI., 2.5MM PITCH, V/T, SMT TYPE, 14 POS



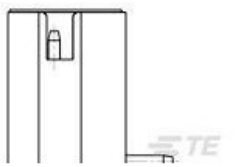
Non-Stocked

PCB Connector Assembly Type : **PCB Mount Header**
PCB Mount Orientation : **Vertical**
Connector System : **Wire-to-Board**
Number of Positions : **14**
Centerline (Pitch) : **2.5 mm**

WIRE-TO-BOARD HEADERS &...

1-1775317-3

HPI., 2.5MM PITCH, V/T, SMT TYPE, 13 POS



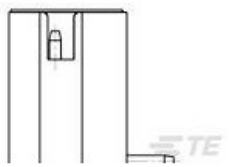
Non-Stocked

PCB Connector Assembly Type : **PCB Mount Header**
PCB Mount Orientation : **Vertical**
Connector System : **Wire-to-Board**
Number of Positions : **13**
Centerline (Pitch) : **2.5 mm**

WIRE-TO-BOARD HEADERS &...

1-1775317-2

HPI., 2.5MM PITCH, V/T, SMT TYPE, 12 POS



Non-Stocked

PCB Connector Assembly Type : **PCB Mount Header**
PCB Mount Orientation : **Vertical**
Connector System : **Wire-to-Board**
Number of Positions : **12**
Centerline (Pitch) : **2.5 mm**

Also in the Series | HPI



Wire-to-Board Connector Contacts (2)



Wire-to-Board Connector Housings (93)



Wire-to-Board Headers & Receptacles (136)

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