

1-1470108-2 ✓ ACTIVE

TE Internal #: 1-1470108-2

PCB Mount Header, Right Angle, Wire-to-Board, 12 Position, 2 mm

[.079 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder,

Signal, Natural

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Connectors > PCB Connectors > PCB Headers & Receptacles > AMP HPI 2.0 mm Headers



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

Number of Positions: **12**

Number of Rows: **2**

Centerline (Pitch): **2 mm [.079 in]**

PCB Mount Orientation: **Right Angle**

[All AMP HPI 2.0 mm Headers \(206\)](#)

Features

Product Type Features

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

Configuration Features

Connector Contact Load Condition	Fully Loaded
Number of Positions	12
Number of Rows	2
PCB Mount Orientation	Right Angle

Electrical Characteristics

Insulation Resistance	5000 M Ω
Operating Voltage	100 VDC



Body Features

Primary Product Color	Natural
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Contact Features

Contact Mating Area Length	3.5 mm[.138 in]
Mating Square Post Dimension	.5 mm[.02 in]
	100 µin
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Post & Tail Length	3 mm[.118 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Keyed
Mating Retention	Without
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without

Housing Features

Housing Material	Nylon 66
Centerline (Pitch)	2 mm[.079 in]

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
Row-to-Row Spacing	2 mm[.079 in]

Usage Conditions

Operating Temperature Range	-25 – 85 °C[-13 – 185 °F]
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Operation/Application



Circuit Application

Signal

Industry Standards

Approved Standards

CSA LR7189, UL E28476

UL Flammability Rating

UL 94V-0

Packaging Features

Packaging Type

Loose Piece

Other

Position Locations Omitted

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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU

Compliant with Exemptions

EU ELV Directive 2000/53/EC

Compliant

China RoHS 2 Directive MIIT Order No 32, 2016

Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2023 (235)

Candidate List Declared Against: JUNE 2023 (235)

SVHC > Threshold:

Pb (.5% in Component Part)

Article Safe Usage Statements:

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

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 240°C

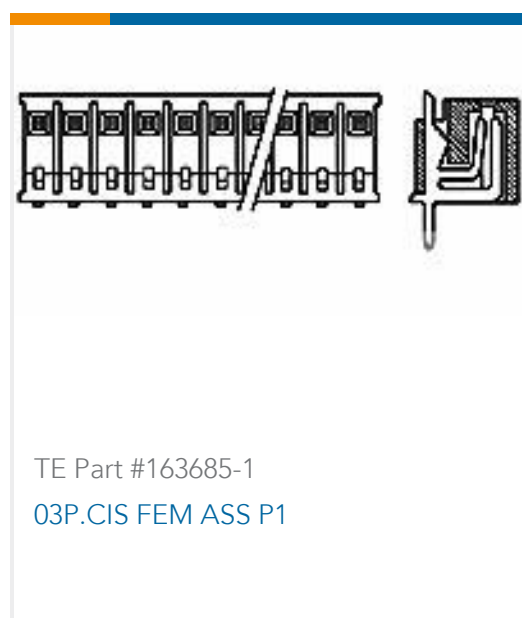
Product Compliance Disclaimer

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



Customers Also Bought



Documents

Product Drawings

[2.0MM PITCH HEADER,DIP 12P](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1-1470108-2_F.2d_dxf.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG_CVM_CVM_1-1470108-2_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1470108-2_F.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[AMPMODU_INTERCONNECTION_SYSTEM_SECTION3AND4](#)

English

[HPI Connectors QRG](#)

English

Product Specifications

[AMP 2.0mm PITCH EMIX Economic Metric Interconnect Series, Wire-To-Board System.](#)

English

[Application Specification](#)

English