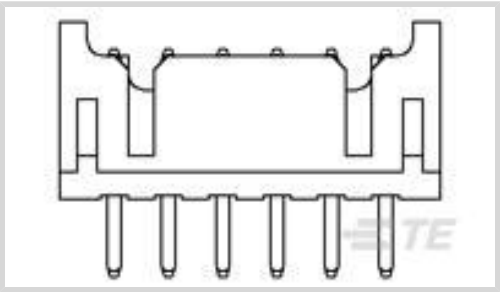




Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **16**

Number of Rows: **2**

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

PCB Mount Orientation: **Vertical**

Features

Product Type Features

Connector System	Wire-to-Board
Header Type	Fully Shrouded
Connector & Contact Terminates To	Printed Circuit Board
PCB Connector Assembly Type	PCB Mount Header

Configuration Features

Board-to-Board Configuration	Parallel
Connector Contact Load Condition	Fully Loaded
Number of Positions	16
Number of Rows	2
PCB Mount Orientation	Vertical

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	750 VAC
Insulation Resistance	5000 MΩ
Operating Voltage	100 VDC

Body Features

Primary Product Color	Natural
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Contact Features

Contact Mating Area Length	3 mm[.1 in][.138 in]
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Mating Square Post Dimension	.5 mm[.02 in]
	100 µin
Contact Layout	Inline
Contact Mating Area Plating Material Thickness	2.54 µm[100 µin]
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
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 PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Housing Material	High Temperature Thermoplastic
Centerline (Pitch)	2 mm[.079 in]

Dimensions

Connector Height	6.5 mm
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
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Industry Standards



Compatible With Approved Standards Products	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Bag, Carton
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Other

Position Locations Omitted	0
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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: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not lead free process capable

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 # 1470106-1
2.0mm Pitch Crimp Contact

TE Part # 2-111626-5
016 2MM 30DP FT

TE Part # 1-1470107-6
2.0MM PITCH CRIMP HOUSING 16P

Also in the Series | AMPMODU 2 mm

Connector Contacts(27)

PCB Headers & Receptacles(10387)

Wire-to-Board Connector Assemblies & Housings(202)

Customers Also Bought

TE Part #292132-3
CT P/HDR BOX V 3P NAT

TE Part #1-1123723-9
3.96 EP HDR ASSY 9P(NATURAL)

TE Part #1470106-1
2.0mm Pitch Crimp Contact

TE Part #1-292207-5
MINI CT SGL DIP V 15P NAT

TE Part #1-292207-1
MINI CT SGL DIP V 11P NAT

TE Part #1-292207-2
MINI CT SGL DIP V 12P NAT

TE Part #1-292207-4
MINI CT SGL DIP V 14P NAT

TE Part #292227-5
1.5 MINI CT SGL H SMT W BOSS 5

TE Part #5-747909-2
15 Rcpt Solder Cup, Gold Flash

TE Part #183079-1
FREE HANG.13-9STD. SEX SRS 1



Documents

Product Drawings

2.0mm Pitch Header,Dip 16p

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-1470109-6_E.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1470109-6_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1470109-6_E.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

Product Specification

English

Product Specification

English