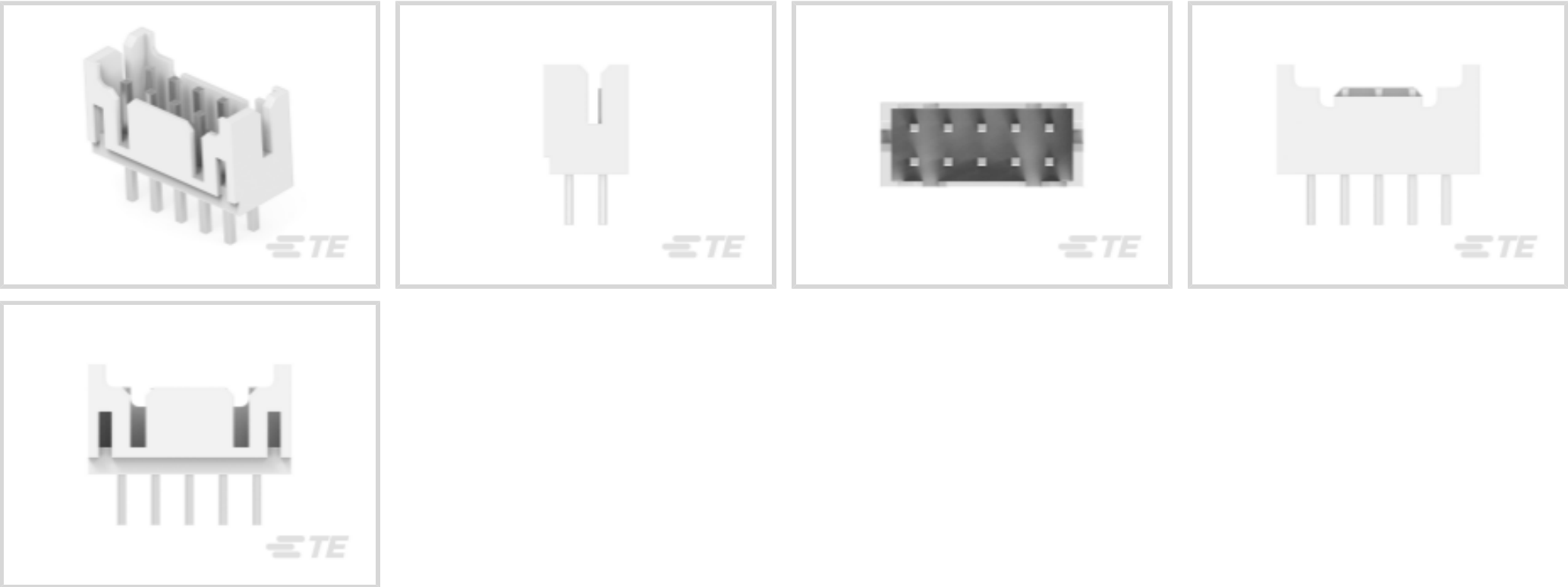




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **10**

Number of Rows: **2**

Features

Product Type Features

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

Configuration Features

Connector Contact Load Condition	Fully Loaded
Board-to-Board Configuration	Parallel
PCB Mount Orientation	Vertical
Number of Positions	10
Number of Rows	2

Electrical Characteristics

Operating Voltage	100 VDC
Insulation Resistance	5000 MΩ



Dielectric Withstanding Voltage (Max)	750 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Mating Area Plating Material Thickness	2.54 μm[100 μin]
Mating Square Post Dimension	.5 mm[.02 in]
	100 μin
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	3 mm[.1 in][.138 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)	3 A

Termination Features

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

Mechanical Attachment

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

Housing Features

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

Dimensions

Row-to-Row Spacing	2 mm[.079 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	6.5 mm



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 Quantity	450
Packaging Method	Bag, Carton

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	Out of Scope
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 2025 (247) 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 # 2-1470209-8
RCPT,2MM,10P,VRT MT,8AU,2.6ST

TE Part # 7-1470209-8
RCPT,2MM,10P,VRT MT,30AU,2.6ST

TE Part # 1470106-1
2.0mm Pitch Crimp Contact

TE Part # 1-111626-7
10, 2MM, 30 DP, LEAD FREE

TE Part # 1-1470107-0
2.0MM PITCH CRIMP HOUSING 10P

Also in the Series | AMPMODU 2 mm

Board-to-Board Headers & Receptacles(8160)

Connector Contacts(27)

PCB Headers & Receptacles(8190)

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

Wire-to-Board Headers & Receptacles (1037)

Customers Also Bought





TE Part #2-1445097-2
MICRO MNL HDR ASSY S/ROW AU LF



TE Part #487769-4
006 HOUSING FFC RCPT 100CL SR



TE Part #206852-8
CPC RECPT ASSEMBLY SIZE 11-9



TE Part #3-2176344-2
CRGCQ 1206 150K 5%



TE Part #1735183-1
SAS PLUG 15+7+7P,0.96mm OFFSET



TE Part #2-1445098-8
MICRO MNL HDR ASSY S/ROW AU LF



TE Part #T2020012008-000
DDF-0.75



TE Part #207486-5
SIZE 23-16 RECEPT,CPC,W/SEAL



TE Part #1-1445022-0
MICRO MNL RFECEPT HSG SINGLE R



TE Part #1-87631-9
24 MODIV HSG COMP DR .100 POL

Documents

Product Drawings
2.0mm Pitch Header,Dip 10p
English

CAD Files
Customer View Model
ENG_CVM_CVM_1-1470109-0_E.2d_dxf.zip
English
3D PDF
3D
Customer View Model
ENG_CVM_CVM_1-1470109-0_E.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_1-1470109-0_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