



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **24**

Number of Rows: **2**

Features

Product Type Features

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

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	24
Number of Rows	2
Board-to-Board Configuration	Parallel

Body Features

Primary Product Color	Black
-----------------------	-------

Contact Features

Contact Layout	Inline
Mating Square Post Dimension	.64 mm[.025 in]
	50 μin
PCB Contact Termination Area Plating Material Finish	Bright
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy

Contact Mating Area Plating Material	Gold
--------------------------------------	------

Contact Mating Area Plating Material Thickness	.762 μm [30 μin]
--	---

Contact Type	Pin
--------------	-----

Contact Current Rating (Max)	3 A
------------------------------	-----

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
--	-----------------

Termination Post & Tail Length	3.04 mm[.12 in]
--------------------------------	-----------------

Termination Method to Printed Circuit Board	Through Hole - Solder
---	-----------------------

Mechanical Attachment

Mating Retention	Without
------------------	---------

Mating Alignment	With
------------------	------

Mating Alignment Type	Guide Pin Slots
-----------------------	-----------------

PCB Mount Retention	Without
---------------------	---------

PCB Mount Alignment	Without
---------------------	---------

Connector Mounting Type	Board Mount
-------------------------	-------------

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
--------------------	----------------

Housing Material	Nylon - GF
------------------	------------

Dimensions

Connector Height	8.13 mm[.32 in]
------------------	-----------------

Row-to-Row Spacing	2.54 mm[.1 in]
--------------------	----------------

Stack Height	11.43 mm[.45 in]
--------------	------------------

PCB Thickness (Recommended)	1.57 mm[.062 in]
-----------------------------	------------------

Usage Conditions

Operating Temperature Range	-65 – 105 $^{\circ}\text{C}$ [-85 – 221 $^{\circ}\text{F}$]
-----------------------------	--

Operation/Application

Assembly Process Feature	None
--------------------------	------

Circuit Application	Signal
---------------------	--------

Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

Packaging Features

Packaging Quantity	48
--------------------	----

Packaging Type

Tube

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU

Not Compliant

EU ELV Directive 2000/53/EC

Compliant with Exemptions

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 2022 (224)

Candidate List Declared Against: JUNE 2022 (224)

SVHC > Threshold:

Pb (13% 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

BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.

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>

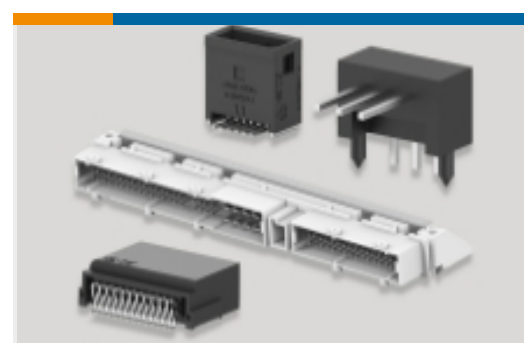
Also in the Series | AMPMODU Headers



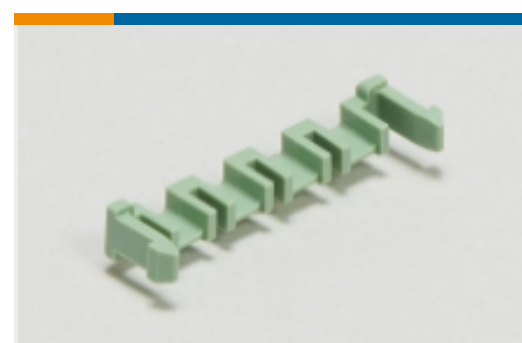
PCB Connector Mounting(1)



PCB Connector Shrouds(1)



PCB Headers & Receptacles(6830)



PCB Latches, Locks & Retainers(2)



Wire-to-Board Connector Assemblies & Housings(5)



Wire-to-Board Connector Contacts(66)

Documents

Product Drawings

24 MODII 2PC HDR DR SHRD

English

Datasheets & Catalog Pages

AMPMODU Interconnection System

AMPMODU Interconnection System

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English