

TE Internal #: 103414-1
PCB Mount Header, Vertical, Board-to-Board, 3 Position, 2.54 mm [.1 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder, AMPMODU Headers

[View on TE.com >](#)



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: **3**
Number of Rows: **1**

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

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	3
Number of Rows	1
Board-to-Board Configuration	Parallel

Electrical Characteristics

Insulation Resistance	5000 MΩ
Dielectric Withstanding Voltage (Max)	750 Vrms

Body Features



Connector Profile	Standard
-------------------	----------

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

Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
------------------------------	-----------------

PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 µm[100 – 200 µin]
---	-------------------------------

Contact Shape & Form	Square
----------------------	--------

Contact Underplating Material	Nickel
-------------------------------	--------

PCB Contact Termination Area Plating Material	Tin-Lead
---	----------

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	3.3 mm[.13 in]
--------------------------------	----------------

Termination Method to PCB	Through Hole - Solder
---------------------------	-----------------------

Mechanical Attachment

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

Mating Alignment Type	Polarization
-----------------------	--------------

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

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

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

Housing Features

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

Housing Material	Thermoplastic
------------------	---------------

Dimensions

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

PCB Thickness (Recommended)	1.4 mm[.055 in]
-----------------------------	-----------------

Usage Conditions

Housing Temperature Rating	Standard
----------------------------	----------

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
-----------------------------	----------------------------



Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Quantity	50
Packaging Method	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	Not 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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (40% 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>



Compatible Parts

TE Part # 102241-1
03 MODIV HSG COMP SR .100 POL

TE Part # 487769-1
003 HOUSING FFC RCPT 100CL SR

Also in the Series | AMPMODU Headers

Connector Caps & Covers(1)

Connector Contacts(64)

Connector Hardware(2)

PCB Headers & Receptacles(3204)

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

Customers Also Bought

TE Part #5747841-6
15 MSFL PLUG RA 318 (SL,FM,BL)

TE Part #5745051-2
HD-20 PLUG 9P VERT THD INS

TE Part #2336682-1
2MM HM FEMALE ASSY, COL8

TE Part #5-103414-2
04 MODII HDR SRST SHRD LF



TE Part #102241-1
03 MODIV HSG COMP SR .100 POL

TE Part #2007132-1
SFP+ 1X4 Cage Assembly, Press-

TE Part #87227-6
12 MODII HDR DRST UNSHRD .100

TE Part #188275-6
MICRO-MATCH SMD FTE

TE Part #234450-E
SRCA 1,27 3 M 1 SMD 137 E1 094 *
GURT *

Documents

Product Drawings

03 MODII HDR SRST SHRD .100CL

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_103414-1_P.3d_igs.zip

English

Customer View Model

ENG_CVM_103414-1_P.3d_stp.zip

English

Customer View Model

ENG_CVM_103414-1_P.2d_dxf.zip

English

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