

6-102567-2 ✓ ACTIVE

AMPMODU | [AMPMODU Headers](#)

TE Internal #: 6-102567-2

PCB Mount Header, Vertical, Board-to-Board, 40 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: **40**

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	40
Number of Rows	2
Board-to-Board Configuration	Parallel

Electrical Characteristics

Termination Resistance	12 mΩ
Operating Voltage	250 VAC

Body Features

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

Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
	100 μin
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	.381 μm [15 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	4.57 mm[.18 in]
--------------------------------	-----------------

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

Mechanical Attachment

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

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

Mating Alignment Type	Guide Pins
-----------------------	------------

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

Connector Height	13.97 mm[.55 in]
------------------	------------------

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

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

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

Usage Conditions

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

Operation/Application

Solder Process Feature	Board Standoff
------------------------	----------------

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

Industry Standards

Approved Standards	CSA LE7189, UL E28476
--------------------	-----------------------

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

Packaging Features



Packaging Quantity	32
Packaging Type	Tube

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 2023 (235) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Pin-in-Paste capable to 260°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 # 5-532955-7
40 MODII 2PC CE RCPT ASSY, RoHS

Also in the Series | [AMPMODU Headers](#)



PCB Connector Mounting(1)	PCB Connector Shrouds(1)	PCB Headers & Receptacles(4875)	PCB Latches, Locks & Retainers(1)
Wire-to-Board Connector Assemblies & Housings(5)	Wire-to-Board Connector Contacts(65)		

Customers Also Bought

TE Part #2-2176049-4 RLP73N 1E R47 1% 1K RL	TE Part #5-104068-3 30 SYSTEM 50 HDR DRST SHRD	TE Part #1761606-6 IDC LOW PRO HDR 16P VERT LG LAT BLK	TE Part #5-5530843-4 CONN SEC II 20 POS 100C/L BLK
TE Part #1879215-1 CPF 0402 4K02 0.1% 25PPM 1K RL	TE Part #5-102567-1 12 MODII 2PC HDR DR SHRD .100, ROHS	TE Part #1410946-3 MULTI-GIG SOC. CAP SCREW, CUSTOMIZED HDW	TE Part #104068-2 10 SYSTEM 50 HDR DRST SHRD

Documents

Product Drawings

40 MODII 2PC HDR DR SHRD .100,

English

CAD Files

Customer View Model

ENG_CVM_6-102567-2_N3.3d_igs.zip

English

Customer View Model



[ENG_CVM_6-102567-2_N3.3d_stp.zip](#)

English

[3D PDF](#)

3D

[3D PDF](#)

English

Customer View Model

[ENG_CVM_6-102567-2_N3.2d_dxf.zip](#)

English

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

Datasheets & Catalog Pages

[AMPMODU_INTERCONNECTION_SYSTEM_SECTION5_CONT](#)

English