

87227-8 ✓ ACTIVE

AMPMODU | AMPMODU Headers

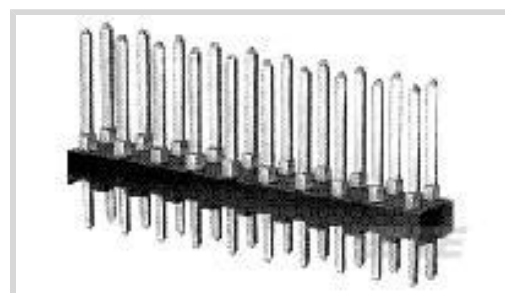
TE Internal #: 87227-8

AMPMODU Headers, PCB Mount Header, Vertical, 16 Position, 2.54 mm [.1in] Centerline, Printed Circuit Board, Unshrouded, 2 Row, Black

[View on TE.com >](#)



Connectors > PCB Connectors > Multiple Configuration PCB Connectors > Multiple Config PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

Number of Positions: **16**

Centerline (Pitch): **2.54 mm [.1 in]**

Contact Type: **Pin**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector & Contact Terminates To	Printed Circuit Board
Header Type	Unshrouded

Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	16
Number of Rows	2

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	750 Vrms
---------------------------------------	----------

Body Features

Post Size	.64 mm[.025 in]
-----------	-----------------

Contact Features

Mating Post Length	8.08 mm[.318 in]
	15 μ m
Contact Mating Area Plating Material	Gold
Contact Shape & Form	Square
Contact Underplating Material	Nickel



PCB Contact Termination Area Plating Material	Gold Flash
---	------------

Contact Base Material	Phosphor Bronze
-----------------------	-----------------

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

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

Termination Features

Termination Post & Tail Length	3.18 mm [.125 in]
--------------------------------	-------------------

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

Mechanical Attachment

Strain Relief	Without
---------------	---------

Mating Alignment	Without
------------------	---------

Panel Mount Feature	Without
---------------------	---------

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

Housing Features

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

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

Housing Color	Black
---------------	-------

Dimensions

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

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

Usage Conditions

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

Operating Temperature Range	-65 – 105 °C
-----------------------------	--------------

Industry Standards

Approved Standards	CSA LR7189, UL E28476
--------------------	-----------------------

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

Packaging Features

Packaging Quantity	100
--------------------	-----

Packaging Method	Carton
------------------	--------

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: JUL 2019 (201) Candidate List Declared Against: JUL 2019 (201) 1,6,7,8,9,14,15,16,17,17,18,18-dodecachloropentacyclo [12.2.1.16,9.02,13.05,10]octadeca-7,15-diene (Dechlorane Plus) (14.17% in Component Part)
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2019 (201) Candidate List Declared Against: JUL 2019 (201)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Also in the Series | **AMPMODU Headers**



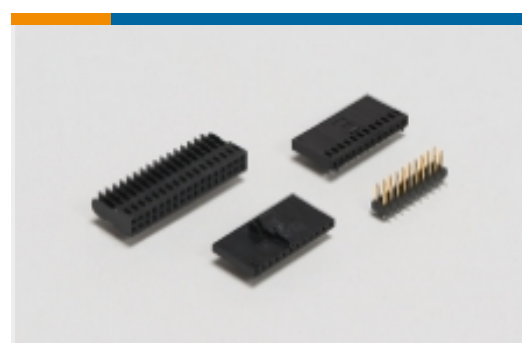
Automotive, Truck, Bus, & Off-Road Headers(6)



Board-to-Board Headers & Receptacles(1570)



Multiple Configuration PCB Connector Contacts(50)



Multiple Configuration PCB Connector Housings(3)



Multiple Configuration PCB Headers & Receptacles(3815)



PCB Connector Mounting(1)

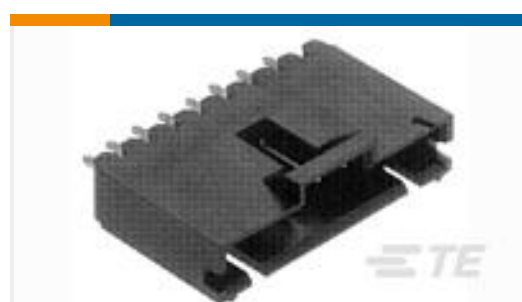
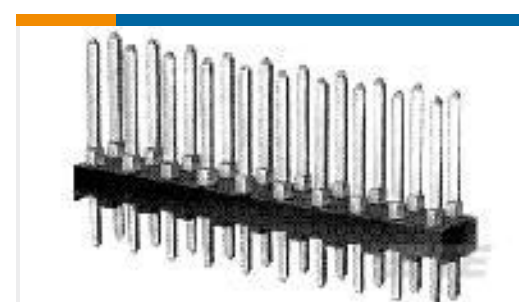
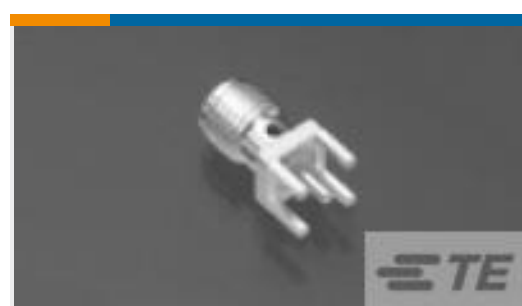


PCB Connector Shrouds(1)



PCB Latches, Locks & Retainers(2)

Customers Also Bought

TE Model / Part #5227699-1
BNC PCB VERTICALTE Model / Part #87227-4
08 MODII HDR DRST UNSHRD .100TE Model / Part #87227-7
14 MODII HDR DRST UNSHRD .100TE Model / Part #530153-2
TDM SPRING SHUNT ASSY 2 POSTE Model / Part #5-103908-4
05 MTE HDR SRST LATCH W/HLDWNTE Model / Part #5-104362-2
03 MTE HDR SRST LATCH W/HLDWNTE Model / Part #87227-5
10 MODII HDR DRST UNSHRD .100TE Model / Part #5747497-4
50 PLUG RA/MS STD (SL)TE Model / Part #221789-1
JACK,PCB,SERIES SMATE Model / Part #5747193-2
50 RCPT RA/MS STD (SL)

Documents

Product Drawings

[16 MODII HDR DRST UNSHRD .100](#)

English

CAD Files

Customer View Model

[ENG_CVM_87227-8_H.2d_dxf.zip](#)

English

Customer View Model



[ENG_CVM_87227-8_H.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_87227-8_H.3d_stp.zip](#)

English

3D PDF

English

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

Datasheets & Catalog Pages

[AMPMODU_INTERCONNECTION_SYSTEM_SECTIONS5](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English