

2-146806-1 ✓ ACTIVE

AMPMODU | [AMPMODU Headers](#)

TE Internal #: 2-146806-1

PCB Mount Header, Vertical, Board-to-Board, 12 Position, 2.54 mm
[.1 in] Centerline, Breakaway, Gold, Surface Mount, Signal, Black,
AMPMODU Headers

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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: **12**

Number of Rows: **2**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Breakaway
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Connector Contact Load Condition	Selectively Loaded
PCB Mount Orientation	Vertical
Number of Positions	12
Number of Rows	2
Board-to-Board Configuration	Parallel

Body Features

Connector Profile	Standard
Primary Product Color	Black

Contact Features

Mating Square Post Dimension	.63 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 μ m[100 – 200 μ in]
PCB Contact Termination Area Plating Material Finish	Matte



Contact Shape & Form	Square
Contact Underplating Material	Nickel
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	.63 mm[.025 in]
Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
Housing Material	LCP (Liquid Crystal Polymer)

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

Usage Conditions

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

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	34
Packaging Type	Tube



Other

Position Locations Omitted	Row N - 5
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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 2022 (224) Candidate List Declared Against: JAN 2020 (205) 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	Not Yet Reviewed for halogen content
Solder Process Capability	Reflow solder 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>

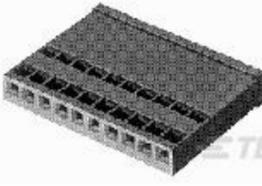
Compatible Parts



TE Part # 1-87133-1
12 LOCKING CLIP HSG DR .100CL



TE Part # 1-87133-2
12 LOCKING CLIP HSG DR MRKD



TE Part # 2-87175-6
12 LOCKING CLIP HSG SR .100CL



TE Part # 966645-6
2x6P HV100 REC. CON, SMD, GOLD, TUBE PACK

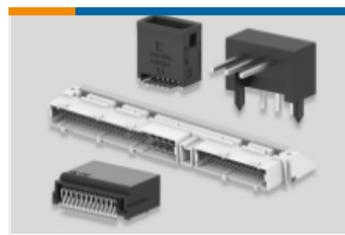
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PCB Connector Mounting(1)



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

[11/12 MODII HDR DRST SFMT B/A](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2-146806-1_AD.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-146806-1_AD.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-146806-1_AD.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[AMPMODU Interconnection System](#)

[AMPMODU Interconnection System](#)

English