

2MM-HSD-S12-VT-02-H-TB

✓ ACTIVE

AMPMODU | AMPMODU 2 mm

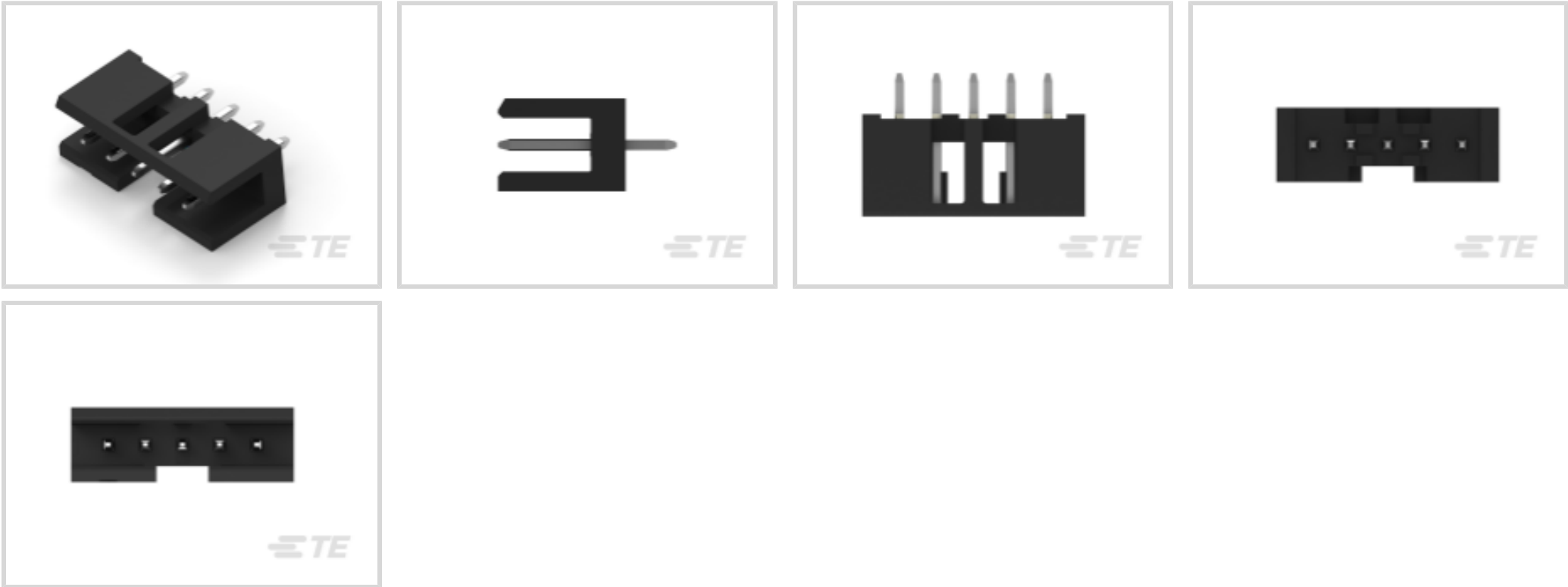
TE Internal #: 1-2823382-2

PCB Mount Header, Vertical, Board-to-Board, 12 Position, 2 mm [.079 in] Centerline, Partially Shrouded, Gold (Au), Through Hole - Solder, AMPMODU 2 mm

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **12**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

Stackable	No
PCB Mount Orientation	Vertical
Number of Positions	12
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
Dielectric Withstanding Voltage (Max)	650 VAC



Body Features

Connector Profile	Standard
Primary Product Color	Black

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Mating Square Post Dimension	.5 mm[.02 in]
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material Thickness	3 – 5 µm[100 – 200 µin]
Contact Layout	Inline
Contact Mating Area Length	4 mm[.157 in]
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	2 A

Termination Features

Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

PCB Mount Retention	Without
Connector Mounting Type	Panel Mount

Housing Features

Housing Material	LCP (High Temp Thermoplastic)
Centerline (Pitch)	2 mm[.079 in]

Dimensions

Connector Length	26 mm[1.024 in]
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Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]



Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Tube
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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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°C

Product Compliance Disclaimer

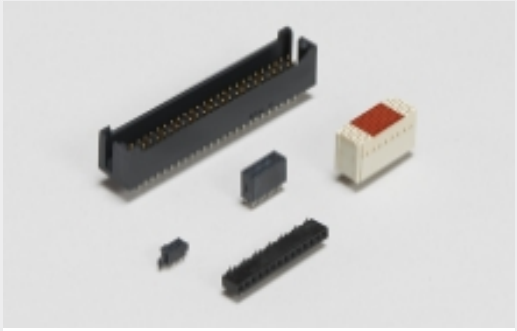
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1-2316103-2
12P,2MM,REC,HSG,SR,CRIMP,LCK
RAMP,BOX

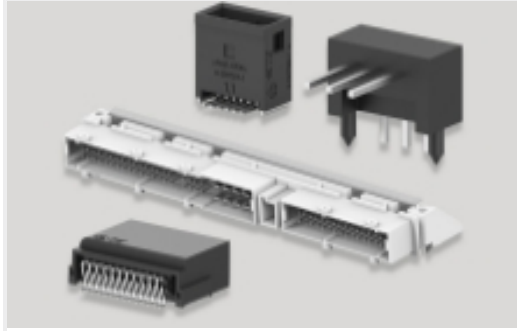
Also in the Series | AMPMODU 2 mm



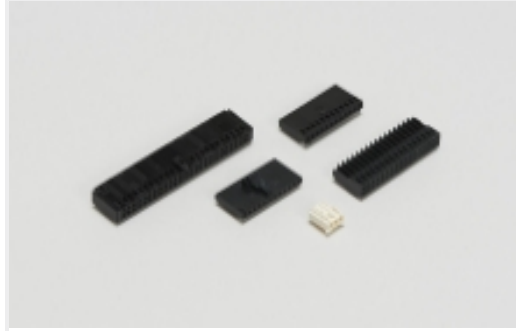
Board-to-Board Headers & Receptacles(8160)



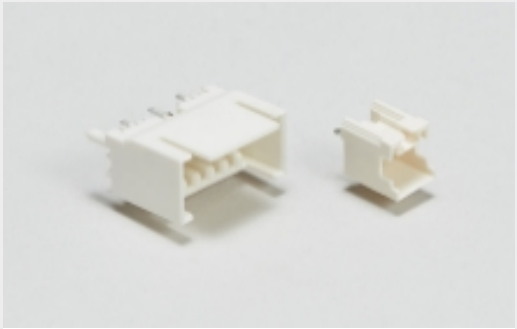
Connector Contacts(27)



PCB Headers & Receptacles(8190)



Wire-to-Board Connector Assemblies & Housings(202)



Wire-to-Board Headers & Receptacles (1037)

Documents

Product Drawings

12P,2MM,SHRD HDR,SRVT,2.8,0.76AU,TB

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2823382-2_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2823382-2_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2823382-2_1.3d_stp.zip

English



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

Datasheets & Catalog Pages

AMPMODU 2mm interconnection system QRG

English

Flyer - AMPMODU 2mm Shrouded Header

English

Product Specifications

Application Specification

English

Agency Approvals

VDE Certificate

English