

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

✓ ACTIVE

AMPMODU | AMPMODU 2 mm

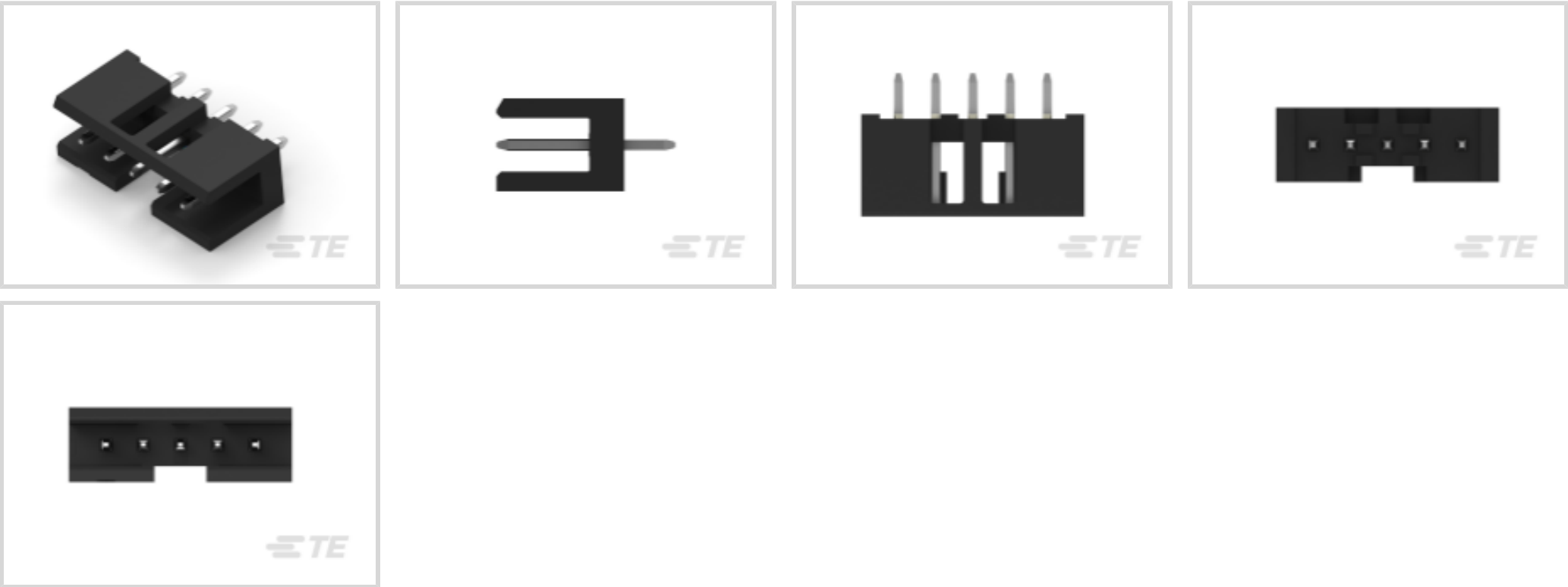
TE Internal #: 1-2823382-2

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

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Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **12**

Centerline (Pitch): **2 mm [.079 in]**

Sealable: **No**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

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

Body Features



Connector Profile	Standard
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Primary Product Color	Black
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Contact Features

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

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

PCB Mount Retention	Without
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Connector Mounting Type	Panel Mount
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Housing Features

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

Connector Length	26 mm[1.024 in]
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Usage Conditions

Housing Temperature Rating	High
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Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

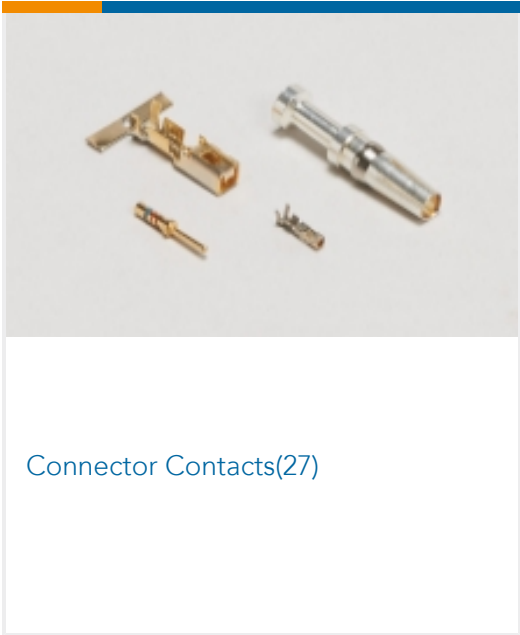
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

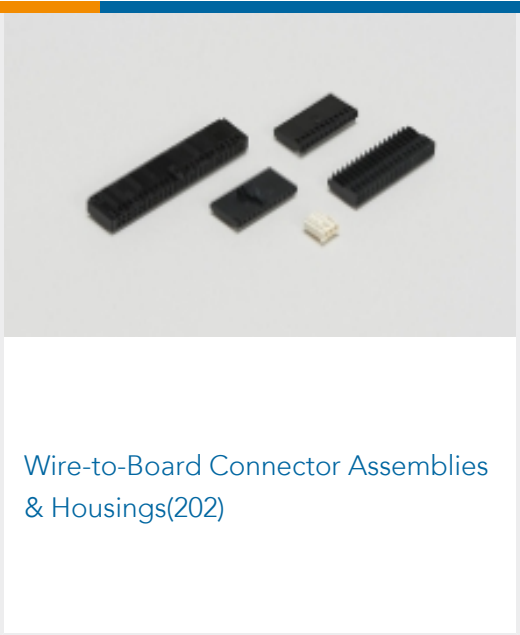
Also in the Series | AMPMODU 2 mm



Connector Contacts(27)



PCB Headers & Receptacles(10387)



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

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