

# 2MM-HSD-S12-VT-02-H-TB ✓ ACTIVE

AMPMODU | AMPMODU 2 mm

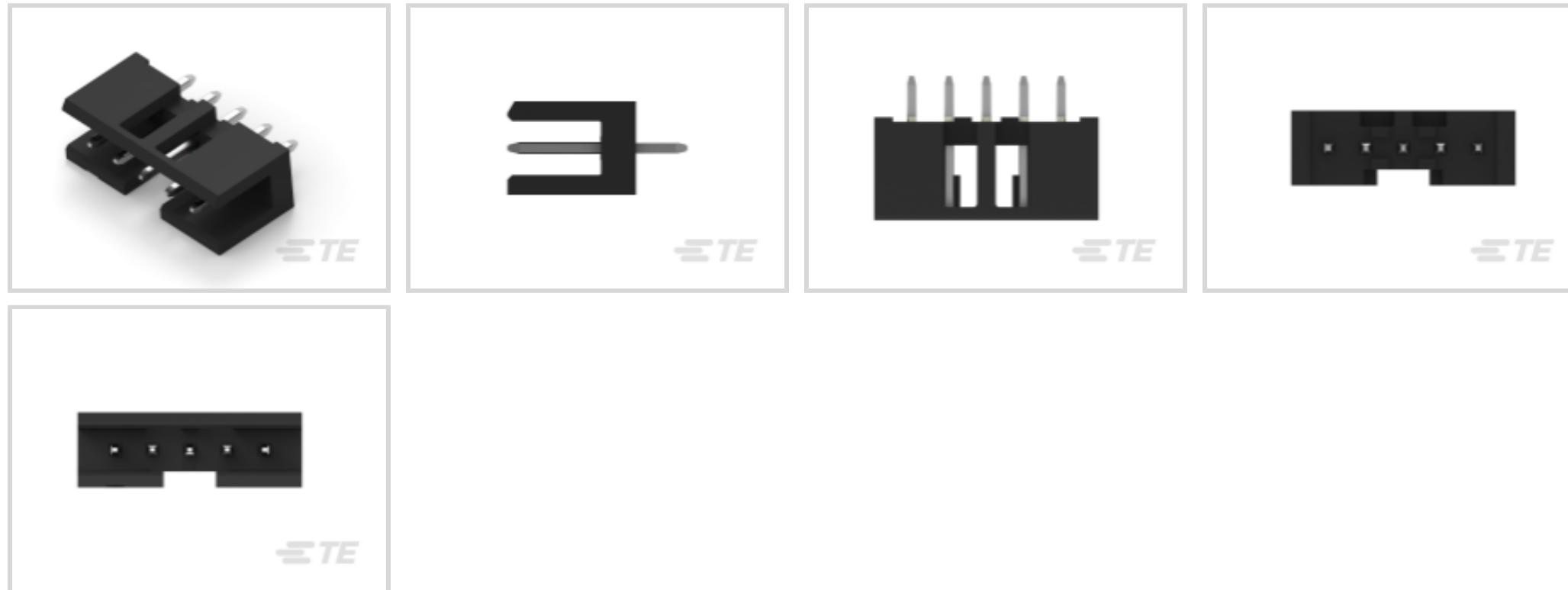
TE Internal #: 1-2823382-2

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

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

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

PCB Mount Orientation: **Vertical**

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

## Features

### Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

### Product Type Features

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

### 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 $\mu$ m[50 $\mu$ in]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.76 $\mu$ m[30 $\mu$ in]
Mating Square Post Dimension	.5 mm[.02 in]
PCB Contact Termination Area Plating Material Thickness	3 – 5 $\mu$ m[100 – 200 $\mu$ in]
Contact Shape & Form	Square
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
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: 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

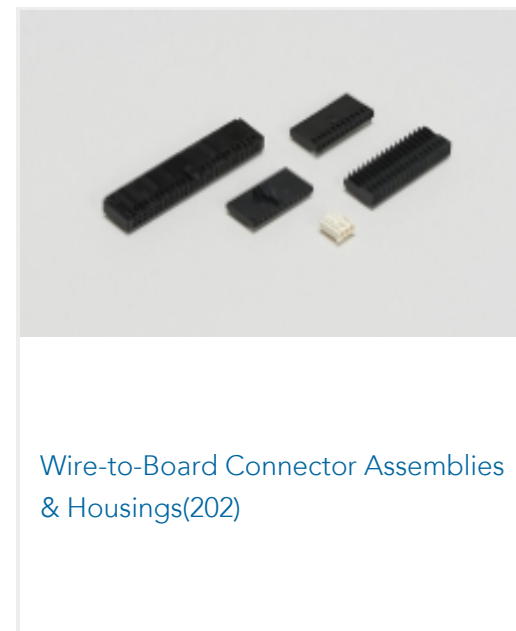
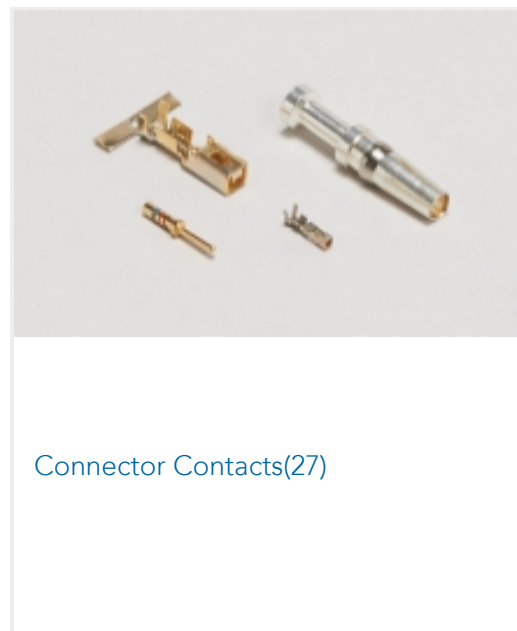
#### Product Compliance Disclaimer

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



## Also in the Series | AMPMODU 2 mm



## 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

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### Agency Approvals

#### VDE Certificate

English