

2MM-HSP-D05-HT-02-H-TB

✓ ACTIVE

AMPMODU | AMPMODU 2 mm

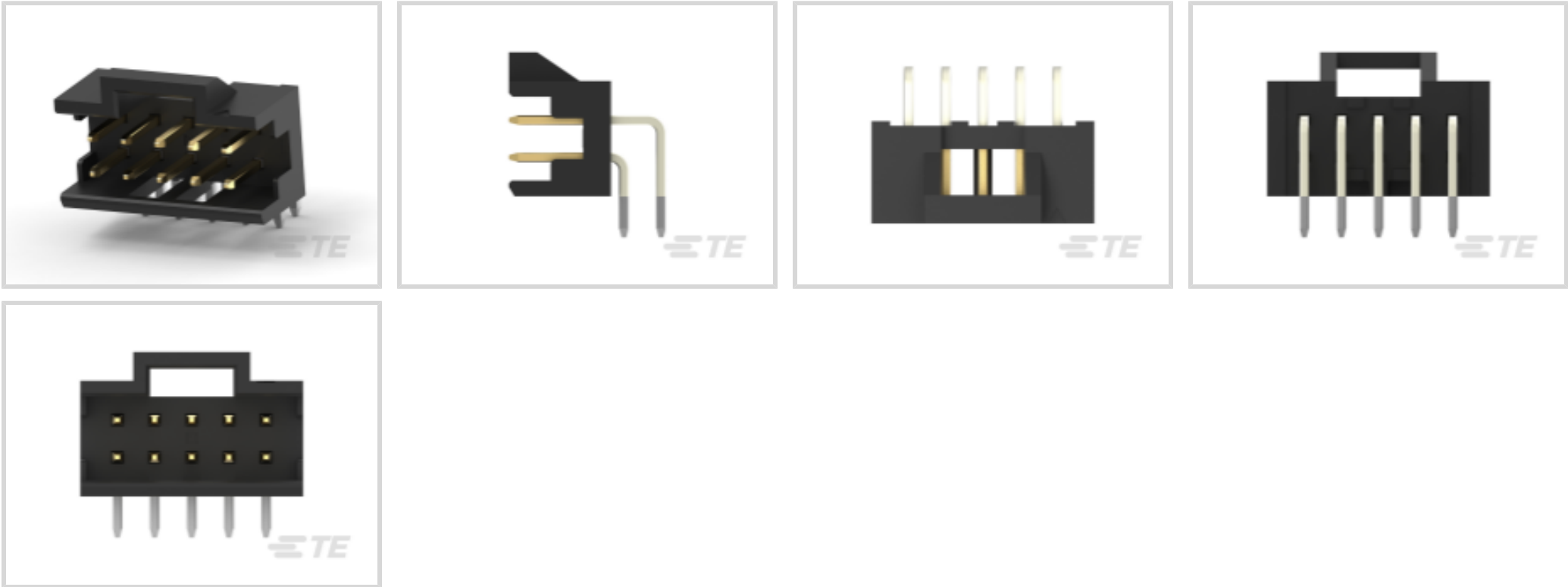
TE Internal #: 1-2823411-0

PCB Mount Header, Right Angle, Board-to-Board / Wire-to-Board,
10 Position, 2 mm [.079 in] Centerline, Fully Shrouded, Gold (Au),
AMPMODU 2 mm

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**
PCB Mount Orientation: **Right Angle**
Connector System: **Board-to-Board, Wire-to-Board**
Number of Positions: **10**
Number of Rows: **2**

Features

Product Type Features

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

Configuration Features

PCB Mount Orientation	Right Angle
Number of Positions	10
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VAC
Insulation Resistance	1000 MΩ
Dielectric Withstanding Voltage (Max)	650 V



Body Features

Connector Profile	Standard
Primary Product Color	Black

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm
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]
PCB Contact Termination Area Plating Material Thickness	3 – 5 µm[100 – 200 µin]
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 (Au)
Contact Type	Pin
Contact Current Rating (Max)	2 A

Termination Features

Termination Post & Tail Length	2.8 mm[.11 in]
Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention Type	Center Latch
Mating Retention	With
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

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Row-to-Row Spacing	2 mm[.079 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Length	12 mm[.472 in]

Usage Conditions

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

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 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 # 1-2316110-0
10P,2MM,REC,HSG,DR,CRIMP,LATCH,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)

Customers Also Bought

TE Part #2-1879026-8
YR1 0.1% 18R7

TE Part #1-1622796-6
YR1 0.1% 200R

TE Part #5-1625966-3
HSA10 R20 1%

TE Part #1-2316110-0
10P,2MM,REC,HSG,DR,CRIMP,LATCH,BOX



TE Part #2-1419106-3
27E891=SOCKET,KRPA,8,OCTAL,
DINRAIL



TE Part #3-1393104-2
KRPA-11AN-120=KRPA

Documents

Product Drawings

10P,2MM,PL HDR,DRRT,2.8,0.76AU,TB

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2823411-0_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2823411-0_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2823411-0_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