

AMPMODU | AMPMODU Headers

TE Internal #: 102802-8

PCB Mount Header, Right Angle, Board-to-Board, 40 Position, 2.54

mm [.1 in] Centerline, Partially Shrouded, Gold, AMPMODU

Headers

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PCB Connector Assembly Type: PCB Mount Header

PCB Mount Orientation: Right Angle
Connector System: Board-to-Board

Number of Positions: 40
Number of Rows: 2

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Partially Shrouded
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Right Angle
Number of Positions	40
Number of Rows	2
Board-to-Board Configuration	Co-Planar

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	750 VACrms
Operating Voltage	250 VAC

Body Features

Primary Product Color	Black

Contact Features

Contact Mating Area Length	8.07 mm[.318 in]
Mating Square Post Dimension	.64 mm[.025 in]
	100 – 200 μin



Centerline (Pitch) Housing Material Thermoplastic Dimensions Connector Height Row-to-Row Spacing PCB Thickness (Recommended) 2.54 mm[.1 in] 2.54 mm[.1 in] 1.4 mm[.055 in]	Contact Layout	Inline
PCB Contact Termination Area Plating Material Phosphor Bronze Contact Base Material Phosphor Bronze Contact Mating Area Plating Material Gold Contact Mating Area Plating Material Thickness .762 µm(30 µin) Contact Type Pin Contact Current Rating (Max) 2 A Termination Features Square Termination Post & Tail Dimension .64 mm(.025 in) Termination Post & Tail Length 3.18 mm(.125 in) Termination Method to Printed Circuit Board Through Hole - Solder Mechanical Attachment Mating Retention Type Board Retention Tail Mating Alignment With Mating Alignment Type Guide Pins PCB Mount Retention Without PCB Mount Retention With PCB Mount Alignment Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) 2.54 mm(.1 in) Housing Material Thempolastic Dimensions Connector Height 8.13 mm(.055 in) Usage Conditions	PCB Contact Termination Area Plating Material Finish	Bright
Contact Base Material Phosphor Bronze Contact Matting Area Plating Material Thickness 7.62 µm(30 µin) Contact Type Pin Contact Current Rating (Max) 2 A Termination Features Square Termination Post & Tail Dimension	Contact Shape & Form	Square
Contact Mating Area Plating Material Gold Contact Mating Area Plating Material Thickness .762 µm[30 µin] Contact Type Pin Contact Current Rating (Max) 2.A Termination Features Square Termination Post & Tail Dimension .64 mm[.025 in] Termination Method to Printed Circuit Board Through Hole - Solder Mechanical Attachment Mating Retention Pype Board Retention Tail Mating Alignment With Mating Alignment Type Guide Pins PCB Mount Retention Without Connector Mounting Type Board Mount Connector Mounting Type Board Mount Housing Features Centerline (Pitch) 2.54 mm[.1 in] Housing Material Thermoplastic Dimensions Connector Recommended) 1.4 mm[.055 in] Usage Conditions	PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material Thickness	Contact Base Material	Phosphor Bronze
Contact Type Pin Contact Current Rating (Max) 2 A Termination Features Square Termination Post & Tail Dimension .64 mm.[.025 in.] Termination Post & Tail Length 3.18 mm.[.125 in.] Termination Method to Printed Circuit Board Through Hole - Solder Mechanical Attachment Mating Retention Without PCB Mount Retention Type Board Retention Tail Mating Alignment With Mating Alignment With Mating Alignment Type Guide Pins PCB Mount Retention Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) 2.54 mm.[.1 in.] Illousing Material Thermoplastic Dimensions Connector Height 8.13 mm.[.32 in.] Row-to-Row Spacing 2.54 mm.[.1 in.] Usage Conditions	Contact Mating Area Plating Material	Gold
Contact Current Rating (Max) Termination Features Square Termination Post & Tail Dimension .64 mm[.025 in] Termination Post & Tail Length .3.18 mm[.125 in] Termination Method to Printed Circuit Board .Through Hole - Solder Mechanical Attachment Mating Retention Without .PCB Mount Retention Type .Board Retention Tail .Mating Alignment .With .Mating Alignment .With .PCB Mount Retention .With .PCB Mount Retention .With .PCB Mount Retention .With .PCB Mount Alignment .With .PCB Mount Alignment .With .PCB Mount Alignment .Without .Connector Mounting Type .Board Mount .PCB .PCB .PCB .PCB .PCB .PCB .PCB .PCB	Contact Mating Area Plating Material Thickness	.762 μm[30 μin]
Termination Features Square Termination Post & Tail Dimension .64 mm[.025 in] Termination Post & Tail Length .3.18 mm[.125 in] Termination Method to Printed Circuit Board .Through Hole - Solder Mechanical Attachment Mating Retention .Without PCB Mount Retention Type .Board Retention Tail Mating Alignment .With Mating Alignment Type .Guide Pins PCB Mount Retention .With PCB Mount Alignment .With PCB Mount Alignment .With Housing Features Connector Mounting Type .Board Mount Housing Material .Thermoplastic Dimensions Connector Height .8.13 mm[.32 in] Row-to-Row Spacing .2.54 mm[.1 in] PCB Thickness (Recommended) .1.4 mm[.055 in] Usage Conditions	Contact Type	Pin
Square Termination Post & Tail Dimension Termination Post & Tail Length Termination Method to Printed Circuit Board Mechanical Attachment Mating Retention PCB Mount Retention Type Board Retention Type Board Retention Type Guide Pins PCB Mount Retention With Mating Alignment With PCB Mount Retention With PCB Mount Alignment With Connector Mounting Type Board Mount Housing Features Centerline (Pitch) Housing Material Thermoplastic Dimensions Connector Height Row-to-Row Spacing PCB Thickness (Recommended) Usage Conditions	Contact Current Rating (Max)	2 A
Termination Post & Tail Length Termination Method to Printed Circuit Board Through Hole - Solder Mechanical Attachment Mating Retention Without PCB Mount Retention Type Board Retention Tail Mating Alignment With Mating Alignment Type Guide Pins PCB Mount Retention With PCB Mount Retention With Connector Mounting Type Board Mount Connector Mounting Type Board Mount Housing Features Centerline (Pitch) 2.54 mm[.1 in] Housing Material Thermoplastic Dimensions Connector Height Row-to-Row Spacing 2.54 mm[.1 in] PCB Thickness (Recommended) Usage Conditions	Termination Features	
Termination Method to Printed Circuit Board Mechanical Attachment Mating Retention PCB Mount Retention Type Board Retention Tail Mating Alignment With Mating Alignment Type Guide Pins PCB Mount Retention With PCB Mount Alignment Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) 1.54 mm[.1 in] Thermoplastic Dimensions Connector Height Row-to-Row Spacing 2.54 mm[.1 in] PCB Thickness (Recommended) 1.4 mm[.055 in] Usage Conditions	Square Termination Post & Tail Dimension	.64 mm[.025 in]
Mechanical Attachment Mating Retention PCB Mount Retention Type Board Retention Tail Mating Alignment With Mating Alignment Type Guide Pins PCB Mount Retention With PCB Mount Alignment Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) 1.54 mm[.1 in] Row-to-Row Spacing PCB Thickness (Recommended) Usage Conditions	Termination Post & Tail Length	3.18 mm[.125 in]
Mating Retention Without PCB Mount Retention Type Board Retention Tail Mating Alignment With Mating Alignment Type Guide Pins PCB Mount Retention With PCB Mount Alignment Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) 2.54 mm[.1 in] Housing Material Thermoplastic Dimensions Connector Height 8.13 mm[.32 in] Row-to-Row Spacing 2.54 mm[.1 in] PCB Thickness (Recommended) 1.4 mm[.055 in] Usage Conditions	Termination Method to Printed Circuit Board	Through Hole - Solder
PCB Mount Retention Type Mating Alignment With Mating Alignment Type Guide Pins PCB Mount Retention With PCB Mount Alignment Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) Lousing Material Thermoplastic Dimensions Connector Height Row-to-Row Spacing PCB Thickness (Recommended) Usage Conditions	Mechanical Attachment	
Mating Alignment Mating Alignment Type Guide Pins PCB Mount Retention With PCB Mount Alignment Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) 2.54 mm[.1 in] Housing Material Thermoplastic Dimensions Connector Height 8.13 mm[.32 in] Row-to-Row Spacing 2.54 mm[.1 in] PCB Thickness (Recommended) Usage Conditions	Mating Retention	Without
Mating Alignment Type PCB Mount Retention With PCB Mount Alignment Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) Louing Material Thermoplastic Dimensions Connector Height Row-to-Row Spacing PCB Thickness (Recommended) Usage Conditions	PCB Mount Retention Type	Board Retention Tail
PCB Mount Retention With PCB Mount Alignment Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) 2.54 mm[.1 in] Housing Material Thermoplastic Dimensions Connector Height 8.13 mm[.32 in] Row-to-Row Spacing 2.54 mm[.1 in] PCB Thickness (Recommended) 1.4 mm[.055 in] Usage Conditions	Mating Alignment	With
PCB Mount Alignment Connector Mounting Type Board Mount Housing Features Centerline (Pitch) Centerline (Pitch) Housing Material Thermoplastic Dimensions Connector Height Row-to-Row Spacing PCB Thickness (Recommended) Usage Conditions Without Board Mount 2.54 mm[.1 in] Thermoplastic 1.4 mm[.055 in]		
Connector Mounting Type Board Mount Housing Features Centerline (Pitch) Lousing Material Connector Height Connector Height Row-to-Row Spacing PCB Thickness (Recommended) Usage Conditions Board Mount 8.13 mm[.1 in] Thermoplastic 2.54 mm[.1 in] 1.4 mm[.055 in]	Mating Alignment Type	Guide Pins
Housing Features Centerline (Pitch) Lousing Material Connector Height Row-to-Row Spacing PCB Thickness (Recommended) 2.54 mm[.1 in] 2.54 mm[.1 in] 2.54 mm[.1 in] 1.4 mm[.055 in] Usage Conditions		
Centerline (Pitch) Housing Material Thermoplastic Dimensions Connector Height Row-to-Row Spacing PCB Thickness (Recommended) Usage Conditions	PCB Mount Retention	With
Housing Material Dimensions Connector Height 8.13 mm[.32 in] Row-to-Row Spacing 2.54 mm[.1 in] PCB Thickness (Recommended) 1.4 mm[.055 in] Usage Conditions	PCB Mount Retention PCB Mount Alignment	Without
Dimensions Connector Height 8.13 mm[.32 in] Row-to-Row Spacing 2.54 mm[.1 in] PCB Thickness (Recommended) 1.4 mm[.055 in] Usage Conditions	PCB Mount Retention PCB Mount Alignment	With
Connector Height Row-to-Row Spacing 2.54 mm[.1 in] PCB Thickness (Recommended) 1.4 mm[.055 in] Usage Conditions	PCB Mount Retention PCB Mount Alignment Connector Mounting Type Housing Features	With Without Board Mount
Row-to-Row Spacing 2.54 mm[.1 in] PCB Thickness (Recommended) 1.4 mm[.055 in] Usage Conditions	PCB Mount Retention PCB Mount Alignment Connector Mounting Type Housing Features Centerline (Pitch)	Without Board Mount 2.54 mm[.1 in]
PCB Thickness (Recommended) 1.4 mm[.055 in] Usage Conditions	PCB Mount Retention PCB Mount Alignment Connector Mounting Type Housing Features Centerline (Pitch) Housing Material	Without Board Mount 2.54 mm[.1 in]
Usage Conditions	PCB Mount Retention PCB Mount Alignment Connector Mounting Type Housing Features Centerline (Pitch) Housing Material Dimensions	Without Board Mount 2.54 mm[.1 in] Thermoplastic
	PCB Mount Retention PCB Mount Alignment Connector Mounting Type Housing Features Centerline (Pitch) Housing Material Dimensions Connector Height	Without Board Mount 2.54 mm[.1 in] Thermoplastic 8.13 mm[.32 in]
Operating Temperature Range -65 – 125 °C[-85 – 257 °F]	PCB Mount Retention PCB Mount Alignment Connector Mounting Type Housing Features Centerline (Pitch) Housing Material Dimensions Connector Height Row-to-Row Spacing	Without Board Mount 2.54 mm[.1 in] Thermoplastic 8.13 mm[.32 in] 2.54 mm[.1 in]
	PCB Mount Retention PCB Mount Alignment Connector Mounting Type Housing Features Centerline (Pitch) Housing Material Dimensions Connector Height Row-to-Row Spacing	Without Board Mount 2.54 mm[.1 in] Thermoplastic 8.13 mm[.32 in] 2.54 mm[.1 in]
Operation/Application	PCB Mount Retention PCB Mount Alignment Connector Mounting Type Housing Features Centerline (Pitch) Housing Material Dimensions Connector Height Row-to-Row Spacing PCB Thickness (Recommended) Usage Conditions	Without Board Mount 2.54 mm[.1 in] Thermoplastic 8.13 mm[.32 in] 2.54 mm[.1 in] 1.4 mm[.055 in]
Assembly Process Feature None	PCB Mount Retention PCB Mount Alignment Connector Mounting Type Housing Features Centerline (Pitch) Housing Material Dimensions Connector Height Row-to-Row Spacing PCB Thickness (Recommended) Usage Conditions	Without Board Mount 2.54 mm[.1 in] Thermoplastic 8.13 mm[.32 in] 2.54 mm[.1 in] 1.4 mm[.055 in]



Circuit Application	Signal
Industry Standards	
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	8
Packaging Type	Tube

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	Compliant with Exemptions
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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Wave solder capable to 240°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 Headers



PCB Connector Mounting(1)



PCB Connector Shrouds(1)



PCB Headers & Receptacles(4875)



PCB Latches, Locks & Retainers(1)



Wire-to-Board Connector Assemblies & Housings(5)



Wire-to-Board Connector Contacts(65)

Customers Also Bought









Documents

Product Drawings
40 MODII 2PC HDR DRRA SHRD

English

CAD Files

Customer View Model ENG_CVM_CVM_102802-8_N.2d_dxf.zip



English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_102802-8_N.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_102802-8_N.3d_stp.zip

English

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Product Specifications

Application Specification

English

AMPMODU Mod II 2-Piece Double Row Header Assemblies

English