

2-104068-2 ✓ ACTIVE

AMPMODU | AMPMODU System 50

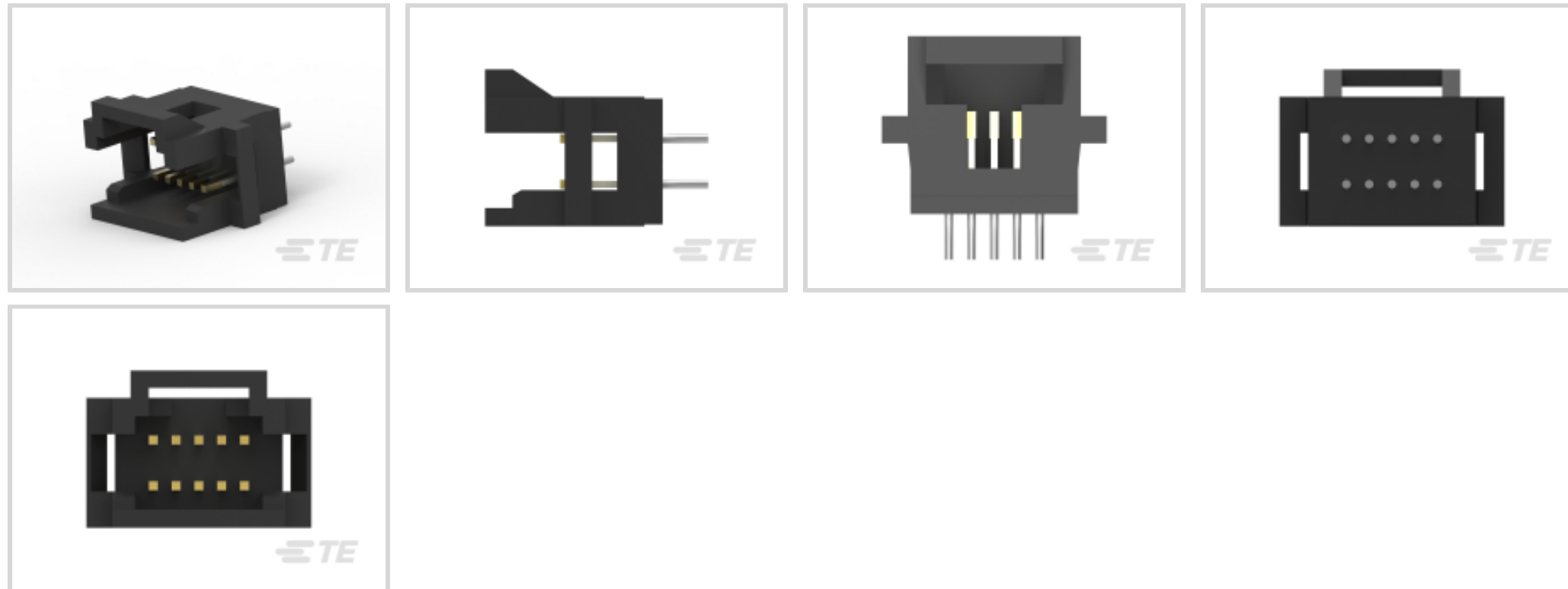
TE Internal #: 2-104068-2

AMPMODU System 50, PCB Mount Header, Vertical, Board-to-Board, 10 Position, 1.27mm [.05in] Centerline, Shrouded, Gold, Printed Circuit Board

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Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **10**

Centerline (Pitch): **1.27 mm [.05 in]**

## Features

### Product Type Features

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

### Configuration Features

Number of Rows	2
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	10
Board-to-Board Configuration	Parallel

### Electrical Characteristics

Dielectric Withstanding Voltage (Max)	500 VAC
Insulation Resistance	5000 MΩ



Operating Voltage	30 VAC
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### Body Features

Connector Profile	Standard
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### Contact Features

PCB Contact Termination Area Plating Material Thickness	3.81 – 6.35 $\mu\text{m}$ [150 – 250 $\mu\text{in}$ ]
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PCB Contact Termination Area Plating Material Finish	Matte
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Contact Shape & Form	Rectangular Post
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Tin-Lead
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Contact Base Material	Copper Alloy
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Contact Mating Area Plating Material	Gold
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Contact Mating Area Plating Material Thickness	.03 $\mu\text{m}$ [1.18 $\mu\text{in}$ ]
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Contact Type	Pin
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Contact Current Rating (Max)	3.6 A
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### Termination Features

Termination Post & Tail Length	2.54 mm[.1 in]
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Termination Method to Printed Circuit Board	Through Hole - Solder
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### Mechanical Attachment

Mating Retention	With
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Mating Retention Type	Latching
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Mating Alignment	With
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Mating Alignment Type	Polarization
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PCB Mount Retention	Without
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PCB Mount Alignment	Without
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Connector Mounting Type	Board Mount
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### Housing Features

Centerline (Pitch)	1.27 mm[.05 in]
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Housing Color	Black
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Housing Material	LCP
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### Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
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PCB Thickness (Recommended)	1.57 mm[.062 in]
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### Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]

### Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

### Industry Standards

Approved Standards	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0
Agency/Standard	CSA, UL
CSA Certified	Yes
CSA File Number	LR7189
UL File Number	E28476
UL Rating	Recognized

### Packaging Features

Packaging Method	Tube/Box
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### Other

Position Locations Omitted	0
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### 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	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUN 2020 (209) Candidate List Declared Against: JAN 2020 (205) SVHC > Threshold: Pb (13% in COMPONENT PART) <b>Article Safe Usage Statements:</b> 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	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 260°C

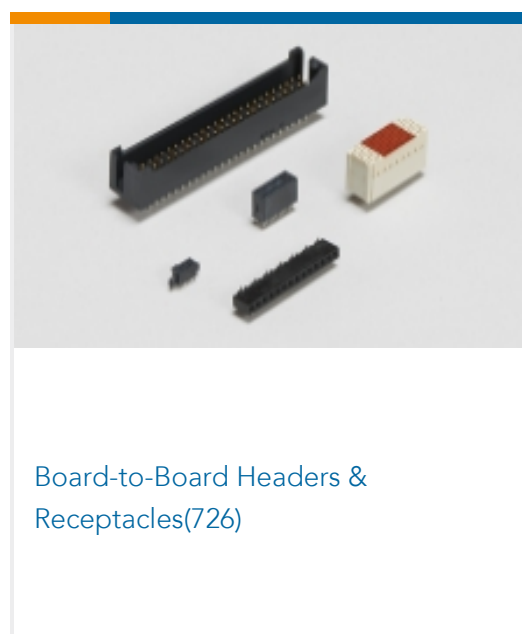
## Product Compliance Disclaimer

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 System 50



## Documents

## Product Drawings

10 SYS 50 HDR DRST SHRD, AU FL

English

## CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2-104068-2\\_1.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-104068-2\\_1.3d\\_igs.zip](#)



English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-104068-2\\_1.3d\\_stp.zip](#)

English

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

[Product Specifications](#)

[Application Specification](#)

English