



## BOARD-TO-BOARD HEADERS & RECEPTACLES



✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

**TE CONNECTIVITY (TE)**  
**24 MODII HORZ DR CE**  
 AMPMODU | AMPMODU

535512-3  
 TE Internal Number: 535512-3  
 Alias ID: 2-29763-1024

Not EU RoHS or ELV Compliant  
[Find Compliant Alternatives](#)

Connector Style **Receptacle**  
 Centerline **2.54 mm [ .1 in ]**

Number of Positions **24**

Packaging Method **Tube, Tube/Box**

Contact Mating Area Plating Material **Gold**

### Product Drawings

[AMPMODU MOD II RECEPTACLE ASSEMBLY, HORIZONTAL, .100 CL, 2 ROW, CLOSED-ENTRY, SHORT POINT OF CONTACT, END-TO-END STACKABLE](#)  
 PDF  
 English

### CAD Files

[Customer View Model](#)  
 3D\_IGS.ZIP  
 English

[3D PDF](#)  
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[Customer View Model](#)  
 3D\_STP.ZIP  
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[Customer View Model](#)  
 2D\_DXF.ZIP  
 English

### Product Specifications

Application Specification

[AMPMODU Mod II And Mod IV Printed Circuit Board Connectors](#)  
 PDF  
 English

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

### Product Type Features

|                          |                    |
|--------------------------|--------------------|
| Connector Style          | <b>Receptacle</b>  |
| PCB Mounting Orientation | <b>Right Angle</b> |
| Row-to-Row Spacing (mm)  | <b>2.54, 7.87</b>  |
| Row-to-Row Spacing (in)  | <b>.31</b>         |

|                            |   |                              |
|----------------------------|---|------------------------------|
|                            | Applied Pressure                                  | <b>High, Standard</b>        |
|                            | Profile   | <b>Standard</b>              |
|                            | Product Type                                      | <b>Connector</b>             |
|                            | Applies To  | <b>Printed Circuit Board</b> |
|                            | Boss  | <b>Without</b>               |
|                            | Series  | <b>AMPMODU, MOD II</b>       |
|                            | Sealed  | <b>No</b>                    |
|                            | Connector Type                                    | <b>Connector Assembly</b>    |
| <hr/>                      |   |                              |
| Configuration Features     | Number of Positions                               | <b>24</b>                    |
|                            | Number of Rows                                    | <b>2</b>                     |
|                            | Stackable   | <b>Yes</b>                   |
| <hr/>                      |   |                              |
| Electrical Characteristics | Voltage (VAC)                                     | <b>333</b>                   |
|                            | Contact Resistance (M $\Omega$ )                  | <b>12</b>                    |
|                            | Insulation Resistance (M $\Omega$ )               | <b>5000</b>                  |
|                            | Dielectric Withstanding Voltage (VAC)             | <b>750</b>                   |
| <hr/>                      |   |                              |
| Contact Features           | Contact Mating Area Plating Material              | <b>Gold</b>                  |
|                            | Contact Mating Area Plating Thickness ( $\mu$ in) | <b>30</b>                    |
|                            | Contact Current Rating (A)                        | <b>2</b>                     |
|                            | Contact Type                                      | <b>Socket</b>                |
|                            | Contact Configuration                             | <b>Short Point</b>           |
|                            | Solder Tail Contact Plating Material              | <b>Tin-Lead over Nickel</b>  |
|                            | Solder Tail Contact Plating Thickness ( $\mu$ in) | <b>10</b>                    |
|                            | Contact Base Material                             | <b>Phosphor Bronze</b>       |
| <hr/>                      |   |                              |
| Termination Features       | Termination Method to PC Board                    | <b>Through Hole - Solder</b> |
|                            | Termination Post Length                           | <b>2.92 mm [ .115 in ]</b>   |
| <hr/>                      |   |                              |
| Mechanical Attachment      | PCB Mount Retention                               | <b>Without</b>               |
| <hr/>                      |   |                              |
| Housing Features           | Centerline  | <b>2.54 mm [ .1 in ]</b>     |
|                            | Housing Material                                  | <b>Polyester - GF</b>        |
|                            | Housing Entry Style                               | <b>Closed Entry, Side</b>    |
| <hr/>                      |   |                              |
| Dimensions                 | Mating Post Length                                | <b>3 mm [ .1 in ]</b>        |

|                             |  |
|-----------------------------|--|
| Height                      | <b>6.05 mm [ .238 in ]</b>             |
| PCB Thickness (Recommended) | <b>1.4 – 2.4 mm [ .055 – .094 in ]</b> |
| Tail Length (mm)            | <b>2.92</b>                            |

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|                  |                                  |                  |
|------------------|----------------------------------|------------------|
| Usage Conditions | Operating Temperature Range (°C) | <b>-65 – 105</b> |
|                  | High Temperature Compatible      | <b>Yes</b>       |

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|                       |                          |                           |
|-----------------------|--------------------------|---------------------------|
| Operation/Application | Assembly Process Feature | <b>Board Standoff</b>     |
|                       | For Use With             | <b>Mates with Headers</b> |

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|                    |                        |                              |
|--------------------|------------------------|------------------------------|
| Industry Standards | UL Flammability Rating | <b>UL 94V-0</b>              |
|                    | MIL-C-55032            | <b>No</b>                    |
|                    | Approved Standards     | <b>CSA LR7189, UL E28476</b> |

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|                    |                    |                       |
|--------------------|--------------------|-----------------------|
| Packaging Features | Packaging Method   | <b>Tube, Tube/Box</b> |
|                    | Packaging Quantity | <b>18</b>             |

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|       |         |  |
|-------|---------|--|
| Other | Comment | <b>6.50 [.256] minimum positive pin stop to prevent shorting between rows., TE recommends mating gold or duplex plated headers with duplex plated receptacle assemblies.</b> |
|-------|---------|--|

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Product Compliance [Statement of Compliance](#)  
PDF

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