



## BOARD-TO-BOARD HEADERS & RECEPTACLES



### TE CONNECTIVITY (TE) 40 MODII HORZ DR CE 100CL AMPMODU | AMPMODU

1-146140-9  
TE Internal Number: 1-146140-9

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

Connector Style **Receptacle**

Centerline **2.54 mm [ .1 in ]**

Number of Positions **40**

Packaging Method **Tube, Tube/Box**

Contact Mating Area Plating Material **Gold**

✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**



### 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](#)

2D\_DXF.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

[Customer View Model](#)

3D\_IGS.ZIP  
English

[3D PDF](#)

PDF  
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>	
Configuration Features	Number of Positions	<b>40</b>
	Number of Rows	<b>2</b>
	Stackable	<b>Yes</b>
Electrical Characteristics	Voltage (VAC)	<b>333</b>
	Contact Resistance (M $\Omega$ )	<b>12</b>
	Insulation Resistance (M $\Omega$ )	<b>5000</b>
Contact Features	Contact Mating Area Plating Material	<b>Gold</b>
	Contact Mating Area Plating Thickness	<b>.254 <math>\mu</math>m [ 10 <math>\mu</math>in ]</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>50</b>
	Contact Base Material	<b>Phosphor Bronze</b>
Termination Features	Termination Method to PC Board	<b>Through Hole - Solder</b>
	Termination Post Length	<b>2.92 mm [ .115 in ]</b>

Mechanical Attachment	PCB Mount Retention	<b>Without</b>
Housing Features	Centerline	<b>2.54 mm [ .1 in ]</b>
	Housing Material	<b>Polyester - GF</b>
	Housing Color	<b>Black</b>
	Housing Entry Style	<b>Closed Entry</b>
Dimensions	Tail Length	<b>2.92 mm [ .114 in ]</b>
	Height	<b>6.05 mm [ .238 in ]</b>
	PCB Thickness (Recommended)	<b>1.4 – 2.4 mm [ .055 – .094 in ]</b>
Usage Conditions	Operating Temperature Range (°C)	<b>-65 – 105</b>
	High Temperature Compatible	<b>Yes</b>
Operation/Application	Pick and Place Cover	<b>Without</b>
	Assembly Process Feature	<b>Board Standoff</b>
	For Use With	<b>Mates with Headers</b>
Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
	MIL-C-55032	<b>No</b>
	Approved Standards	<b>CSA LR7189, UL E28476</b>
Packaging Features	Packaging Method	<b>Tube, Tube/Box</b>
	Packaging Quantity	<b>11</b>
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>

Product Compliance

[Statement of Compliance](#)  
PDF

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