



## BOARD-TO-BOARD HEADERS & RECEPTACLES



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TE CONNECTIVITY (TE)

### 12 MODIV VRT DR CE 100/125

AMPMODU | AMPMODU

5-534998-6

TE Internal Number: 5-534998-6

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

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

Number of Positions **12**

Packaging Method **Tube, Tube/Box**

Contact Mating Area Plating Material **Gold**

#### Product Drawings

[RECEPTACLE ASSEMBLY, MOD IV, DOUBLE ROW, DUAL ENTRY, .100X.100CL, VERTICAL MOUNT, AMPMODU](#)

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#### CAD Files

[Customer View Model](#)

2D\_DXF.ZIP  
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3D\_IGS.ZIP  
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[Customer View Model](#)

3D\_STP.ZIP  
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#### Catalog Pages/Data Sheets

[AMPMODU\\_INTERCONNECTION\\_SYSTEM\\_SECTIONS](#)

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#### Product Specifications

Application Specification

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

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#### Product Environmental Compliance

TE Material Declaration

[MD\\_5-534998-6\\_07012015732\\_dmtec](#)

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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>Vertical</b>
	Row-to-Row Spacing	<b>2.54 mm [ .1 in ]</b>
	Applied Pressure	<b>Standard</b>
	Profile	<b>Low</b>
	Product Type	<b>Connector</b>
	Applies To	<b>Printed Circuit Board</b>
	Boss	<b>Without</b>
	Series	<b>AMPMODU, MOD IV</b>
	Sealed	<b>No</b>
Connector Type	<b>Connector Assembly</b>	
Configuration Features	Number of Positions	<b>12</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>
	Dielectric Withstanding Voltage (VAC)	<b>750</b>
Contact Features	Contact Mating Area Plating Material	<b>Gold</b>
	Contact Mating Area Plating Thickness ( $\mu$ in)	<b>30</b>
	Contact Shape	<b>Round</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 over Nickel</b>
	Solder Tail Contact Plating Thickness ( $\mu$ m)	<b>3.81 – 7.61</b>
	Contact Base Material	<b>Phosphor Bronze</b>
Termination Features	Termination Method to PC Board	<b>Through Hole - Solder</b>
	Termination Post Length	<b>3.18 mm [ .125 in ]</b>
Mechanical Attachment	PCB Mount Retention	<b>Without</b>

Housing Features	Centerline	<b>2.54 mm [ .1 in ]</b>
	Housing Material	<b>Thermoplastic</b>
	Housing Color	<b>Black</b>
	Housing Entry Style	<b>Closed Entry, Top</b>
Dimensions	Mating Post Length	<b>3.77 mm [ .148 in ]</b>
	Height	<b>5.03 mm [ .198 in ]</b>
	PCB Thickness (Recommended)	<b>1.57 mm [ .062 in ]</b>
	Tail Length (mm)	<b>3.18</b>
Usage Conditions	Operating Temperature Range (°C)	<b>-65 – 125</b>
	High Temperature Compatible	<b>No</b>
Operation/Application	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>37</b>
Other	Comment	<b>TE recommends mating gold or duplex plated headers with duplex plated receptacle assemblies., To obtain the minimum mating post length, add 0.51 [.020] (not including the post lead in chamfer) to the maximum point-of-contact dimension.</b>

Product Compliance

[Statement of Compliance](#)  
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[VIEW ALL PRODUCT COMPLIANCE](#)

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