



## MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES



✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

### 12 MODII HDR DRST SHRD .100CL

AMPMODU | AMPMODU Headers

5-103169-4

TE Internal Number: 5-103169-4

Always EU RoHS/ELV Compliant

Applies To **Printed Circuit Board**

Connector Style **Plug**

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

Number of Positions **12**

Header Type **Shrouded**

#### Product Drawings

**HDR ASSY, MOD II, SHROUDED, 4 SIDES, DBL ROW, VERTICAL, .100X.100 C/L, WITH .025 SQ POSTS**

PDF  
English

#### CAD Files

**Customer View Model**

2D\_DXF.ZIP  
English

**3D PDF**

PDF  
3D

**Customer View Model**

3D\_IGS.ZIP  
English

**Customer View Model**

3D\_STP.ZIP  
English

#### Catalog Pages/Data Sheets

**AMPMODU\_INTERCONNECTION\_SYSTEM\_SECTIONS**

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

Applies To

**Printed Circuit Board**

Connector Style

**Plug**

PCB Mounting Orientation

**Vertical**

Connector Type

**Header**

	Row-to-Row Spacing	<b>2.54 mm [ .1 in ]</b>
	Stabilizers	<b>Without</b>
	Strain Relief	<b>Without</b>
	Board Standoff	<b>Without</b>
	Profile	<b>Standard</b>
	Product Type	<b>Connector</b>
	Gasket	<b>Without</b>
Configuration Features	Number of Positions	<b>12</b>
	Number of Rows	<b>2</b>
	Keyed	<b>No</b>
	Selectively Loaded	<b>No</b>
Electrical Characteristics	Dielectric Withstanding Voltage	<b>750 Vrms</b>
Body Features	Header Type	<b>Shrouded</b>
	Post Size	<b>.64 mm [ .025 in ]</b>
Contact Features	Contact Protection	<b>With</b>
	Contact Shape	<b>Square</b>
	Contact Type	<b>Pin</b>
	Contact Base Material	<b>Phosphor Bronze</b>
	Contact Mating Area Plating Thickness (µin)	<b>30</b>
	Solder Tail Contact Plating Material	<b>Tin over Nickel</b>
	Contact Mating Area Plating Material	<b>Gold</b>
	Contact Protection Type	<b>Shrouded</b>
	Contact Current Rating (A)	<b>3</b>
Termination Features	Termination Post Length	<b>3.18 mm [ .125 in ]</b>
	Termination End Plating Thickness (µin)	<b>100 – 200</b>
	Termination End Plating Material	<b>Tin Over Nickel</b>
	Termination Method to PC Board	<b>Through Hole</b>
Mechanical Attachment	PCB Mounting Style	<b>Through Hole</b>
	PCB Mount Retention	<b>Without</b>
	Mating Connector Lock Type	<b>Detent Windows</b>
	Panel Mount Retention	<b>Without</b>

	Mating Alignment	With
	Mating Connector Lock	With
	Mating Alignment Type	Polarization
Housing Features	Centerline	2.54 mm [ .1 in ]
	Housing Color	Black
	Housing Material	Thermoplastic
	Housing Style	4-Sided
Dimensions	Shrouded End Dimension	3.81 mm [ .15 in ]
	PCB Thickness (Recommended)	1.397 mm [ .055 in ]
	Mating Post Length	8.08 mm [ .318 in ]
Usage Conditions	Operating Temperature Range (°C)	-65 – 105
	High Temperature Housing	No
Operation/Application	High Speed Serial Data Connector	No
Industry Standards	UL Flammability Rating	UL 94V-0
	Approved Standards	CSA LR7189, UL E28476
Packaging Features	Packaging Quantity	208
	Packaging Method	Tray
Product Compliance	<a href="#">Statement of Compliance</a> PDF	
	<a href="#">VIEW ALL PRODUCT COMPLIANCE</a>	