



CONNECTORS

## MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES



✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

### 100 50/50 HDR DRST SFMNT .320

AMPMODU | AMPMODU 50/50 Grid

1-104656-0

TE Internal Number: 1-104656-0

Not EU RoHS or ELV Compliant

[Find Compliant Alternatives](#)

Applies To **Printed Circuit Board**

Connector Style **Plug**

Centerline **1.27 mm [ .05 in ]**

Number of Positions **100**

Header Type **Shrouded**



### Product Drawings

[HEADER ASSEMBLY,SURFACE MOUNT, AMPMODU 50/50 GRID \(8.12\[.320\] MATED HEIGHT\)](#)

PDF  
English

### CAD Files

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

[Customer View Model](#)

2D\_DXF.ZIP  
English

[3D PDF](#)

PDF  
English

### Product Specifications

[Product Specification](#)

[PRODUCT SPECIFICATION, CONNECTOR, AMPMODU, 50/50 GRID CABLE](#)

DNC

PDF  
English

PRODUCT SPECIFICATION, CONNECTOR, AMPMODU, 50/50 GRID CABLE

TIF  
English

Application Specification

AMPMODU 50/50 Grid Connectors For SMT PC Board And IDC Ribbon Cable Applications

PDF  
English

Qualification Test Report

QUALIFICATION TEST REPORT, CONNECTOR, AMPMODU, 50/50 GRID CABLE

TIF  
English

QUALIFICATION TEST REPORT, CONNECTOR, AMPMODU, 50/50 GRID CABLE

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	<b>Printed Circuit Board</b>
	Connector Style	<b>Plug</b>
	PCB Mounting Orientation	<b>Vertical</b>
	Connector Type	<b>Header</b>
	Row-to-Row Spacing	<b>1.27 mm [ .05 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>100</b>
	Number of Rows	<b>2</b>
	Keyed	<b>Yes</b>
	Selectively Loaded	<b>No</b>

---

Electrical Characteristics	Voltage (VAC)	<b>30</b>
	Dielectric Withstanding Voltage	<b>300 VAC</b>

---

Body Features	Header Type	<b>Shrouded</b>
	Hold-Down Post Plating Material	<b>Tin-Lead over Nickel</b>
	Hold-Down Post Plating Thickness	<b>Tin-Lead: 150- Nickel: 50</b>
	Post Size (mm)	<b>.46</b>
	Hold-Down Post Material	<b>Copper Alloy</b>

---

Contact Features	Contact Protection	<b>With</b>
	Contact Shape	<b>Round</b>
	Underplate Material	<b>Nickel</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 Thickness (µin)	<b>150</b>
	Solder Tail Contact Plating Material	<b>Tin-Lead</b>
	Contact Mating Area Plating Material	<b>Gold</b>
	Contact Protection Type	<b>Shrouded</b>
Contact Current Rating (A)	<b>4</b>	
<hr/>		
Termination Features	Termination End Plating Thickness (µin)	<b>150</b>
	Termination End Plating Material	<b>Tin-Lead</b>
	Termination Method to PC Board	<b>Surface Mount</b>
<hr/>		
Mechanical Attachment	PCB Mounting Style	<b>Surface Mount</b>
	PCB Mount Retention Type	<b>Hold-Down Post(s)</b>
	PCB Mount Retention	<b>With</b>
	Panel Mount Retention	<b>Without</b>
	Mating Alignment	<b>With</b>
	Mating Connector Lock	<b>Without</b>
	Mating Alignment Type	<b>Keyed</b>
<hr/>		
Housing Features	Centerline	<b>1.27 mm [ .05 in ]</b>
	Housing Color	<b>Black</b>
	Housing Material	<b>Thermoplastic</b>
	Housing Style	<b>2-Sided</b>
<hr/>		
Dimensions	Shrouded End Dimension (in)	<b>.036</b>
	Stack Height	<b>8.13 mm [ .32 in ]</b>
	Mating Post Length	<b>3.048 mm [ .12 in ]</b>
<hr/>		
Usage Conditions	Operating Temperature Range (°C)	<b>-65 – 105</b>
<hr/>		
Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>

---

Packaging Features

Packaging Quantity

**8**

Packaging Method

**Tube, Tube/Box**

---

Product Compliance

[Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

