



## MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES



✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

### 10 SYS50 SMT HDR DR SHD SN

AMPMODU | AMPMODU System 50

5-147377-1

TE Internal Number: 5-147377-1

Always EU RoHS/ELV Compliant

Applies To **Printed Circuit Board**

Connector Style **Plug**

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

Number of Positions **10**

Header Type **Shrouded**

#### Product Drawings

[HEADER ASSEMBLY, W/SIDE & END LATCHES, VERTICAL, SHROUDED, DOUBLE ROW, SURFACE MOUNT AMPMODU System 50, W/O HOLDDOWNS](#)

PDF  
English

#### CAD Files

[3D PDF](#)

PDF  
3D

[Customer View Model](#)

2D\_DXF.ZIP  
English

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

#### Catalog Pages/Data Sheets

[AMPMODU\\_INTERCONNECTION\\_SYSTEM\\_SECTION3AND4](#)

PDF  
English

[Fine Pitch Stacking Connectors - 1.27mm AMPMODU System 50 Connectors](#)

PDF  
English

#### Product Environmental Compliance

TE Material Declaration

[MD\\_5-147377-1\\_07242015639\\_dmtec](#)

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 (in)	<b>.1</b>
	Stabilizers	<b>Without</b>
	Strain Relief	<b>Without</b>
	Board Standoff	<b>With</b>
	Product Type	<b>Connector</b>
Gasket	<b>Without</b>	
<hr/>		
Configuration Features	Number of Positions	<b>10</b>
	Number of Rows	<b>2</b>
	Keyed	<b>Yes</b>
	Selectively Loaded	<b>No</b>
<hr/>		
Electrical Characteristics	Voltage (VAC)	<b>30</b>
	Dielectric Withstanding Voltage	<b>500 V</b>
<hr/>		
Body Features	Header Type	<b>Shrouded</b>
	Post Size (in)	<b>.022</b>
<hr/>		
Contact Features	Contact Protection	<b>With</b>
	Contact Shape	<b>Round</b>
	Contact Type	<b>Pin</b>
	Contact Base Material	<b>Phosphor Bronze</b>
	Contact Mating Area Plating Thickness ( $\mu$ in)	<b>30</b>
	Solder Tail Contact Plating Material	<b>Tin</b>
	Contact Mating Area Plating Material	<b>Gold</b>
	Contact Protection Type	<b>Shrouded</b>
	Contact Current Rating (A)	<b>1</b>
<hr/>		
Termination Features	Termination Post Length (in)	<b>.031</b>
	Termination End Plating Thickness ( $\mu$ in)	<b>150</b>
	Termination End Plating Material	<b>Tin-Lead</b>
	Termination Method to PC Board	<b>Surface Mount</b>

Mechanical Attachment	PCB Mounting Style	<b>Surface Mount</b>
	PCB Mount Retention	<b>Without</b>
	Panel Mount Retention	<b>With</b>
	Mating Alignment	<b>With</b>
	Mating Connector Lock	<b>With</b>
	Mating Alignment Type	<b>Polarization</b>
Housing Features	Centerline	<b>1.27 mm [ .05 in ]</b>
	Housing Color	<b>Black</b>
	Housing Material	<b>PPA</b>
Dimensions	Mating Post Length (in)	<b>.031</b>
Usage Conditions	Operating Temperature Range (°C)	<b>-65 – 105</b>
Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
	Approved Standards	<b>CSA LR7189, UL E28476</b>
Packaging Features	Packaging Quantity	<b>250</b>
	Packaging Method	<b>Tape &amp; Reel</b>
Product Compliance	<a href="#">Statement of Compliance</a> PDF <a href="#">VIEW ALL PRODUCT COMPLIANCE</a>	

Products - 5 Results

[View All](#)

Compare 0/10 

Relation Type 

RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - W-T-B Headers & Receptacles  
AMP-LATCH | AMPMODU

**010 RCPT SYSTEM 50 30**  
DPI X - 2-111196-5

Always EU RoHS/ELV Compliant

Centerline 1.27 mm





DLA-211170-0  
TE INTERNAL NUMBER: 2-111196-5

✓ Active

Number of Positions **10**

Number of Rows **2**

Contact Mating Area Plating  
Material **Gold**

Contact Mating Area Plating  
Thickness **.762 µm**

RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Board-to-Board Headers &  
Receptacles  
AMPMODU | AMPMODU System 50

**10 SYS50 SMT RCP DR  
SHD SN - 5-147378-1**

TE INTERNAL NUMBER: 5-147378-1

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **1.27 mm**

Number of Positions **10**

Packaging Method **Tape & Reel**

Contact Mating Area Plating  
Material **Gold**



RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Multiple Config PCB Headers &  
Receptacles  
AMPMODU | AMPMODU System 50

**10 SYS50 S/M HDR DRST  
SHRDSN - 5-104549-1**

TE INTERNAL NUMBER: 5-104549-1

✓ Active

Always EU RoHS/ELV Compliant

Applies To **Printed Circuit Board**

Connector Style **Plug**

Centerline **1.27 mm**

Number of Positions **10**

Header Type **Shrouded**

