



## MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES



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[↓](#) **PRODUCT DRAWING**  
English

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TE CONNECTIVITY (TE)

**20 SYS50 HDR DRST SHRD W/SL SN**

AMPMODU | AMPMODU System 50

5-104076-1

TE Internal Number: 5-104076-1

Always EU RoHS/ELV Compliant

Applies To **Printed Circuit Board**

Connector Style **Plug**

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

Number of Positions **20**

Header Type **Shrouded**

### Product Drawings

**HEADER ASSEMBLY, VERTICAL SHROUDED, WITH SLOT, AMPMODU System 50**

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

### Product Specifications

Application Specification

**AMPMODU System 50 Thru-Hole Connectors**

PDF  
English

### Product Environmental Compliance

TE Material Declaration

**MD\_5-104076-1\_07242015622\_dmtec**

PDF  
English

Product Type Features	Applies To	Printed Circuit Board
	Connector Style	Plug
	PCB Mounting Orientation	Vertical
	Connector Type	Header
	Row-to-Row Spacing	2.54 mm [ .1 in ]
	Stabilizers	Without
	Strain Relief	Without
	Board Standoff	With
	Profile	Standard
	Product Type	Connector
	Gasket	Without
Configuration Features	Number of Positions	20
	Number of Rows	2
	Keyed	No
	Selectively Loaded	No
Electrical Characteristics	Voltage (VAC)	30
	Dielectric Withstanding Voltage	500 V
Body Features	Header Type	Shrouded
	Post Size	.381 mm [ .015 in ]
Contact Features	Contact Protection	With
	Contact Shape	Round
	Contact Type	Pin
	Contact Base Material	Phosphor Bronze
	Contact Mating Area Plating Thickness (µin)	30
	Solder Tail Contact Plating Material	Tin over Nickel
	Contact Mating Area Plating Material	Gold
	Contact Protection Type	Shrouded
	Contact Current Rating (A)	1
Termination Features	Termination Post Length	2.54 mm [ .1 in ]
	Termination End Plating Thickness (µin)	150 – 250

	Termination End Plating Material	Matte Tin-Lead
	Termination Method to PC Board	Through Hole
Mechanical Attachment	PCB Mounting Style	Through Hole
	PCB Mount Retention	Without
	Panel Mount Retention	Without
	Mating Alignment	With
	Mating Connector Lock	Without
	Mating Alignment Type	Polarization
Housing Features	Centerline	1.27 mm [ .05 in ]
	Housing Color	Black
	Housing Material	Thermoplastic
	Housing Style	4-Sided
Dimensions	PCB Thickness (Recommended)	1.397 mm [ .055 in ]
	Mating Post Length	2.54 mm [ .1 in ]
Usage Conditions	Operating Temperature Range (°C)	-65 – 105
Industry Standards	UL Flammability Rating	UL 94V-0
	Approved Standards	CSA LR7189, UL E28476
Packaging Features	Packaging Quantity	31
	Packaging Method	Tube, Tube/Box
Product Compliance	<a href="#">Statement of Compliance</a> PDF	
	<a href="#">VIEW ALL PRODUCT COMPLIANCE</a>	

Products - 1 Results

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Relation Type



RELATIONSHIP  
Mating Products



PRODUCT - MATING PRODUCTS



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

20 SYSTEM 50 RCPT  
ASSY DRRA - 5-103911-2  
TE INTERNAL NUMBER: 5-103911-2

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **1.27 mm**

Number of Positions **20**

Packaging Method **Tube,**  
**Tube/Box**

Contact Mating Area Plating  
Material **Gold**