



CONNECTORS

## HEADERS & RECEPTACLES



✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

### 10 MTE HDR SRST LATCH W/HLDWN

AMPMODU | AMPMODU MTE

5-103908-9

TE Internal Number: 5-103908-9

Always EU RoHS/ELV Compliant

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

Number of Positions **10**

PCB Mounting Orientation **Vertical**

PCB Mounting Style **Through Hole**

Number of Rows **1**



#### Product Drawings

**HEADER ASSY, AMPMODU MTE, VERTICAL, SINGLE ROW, .100 CL, .025 SQ  
POSTS WITH LATCH & RETENTIVE 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\_SECTION5\_CONT**

PDF  
English

**AMP MODU MTE Section Of Catalog 1307819**

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## AMPMODU MTE INTERCONNECT SYSTEM

## Product Specifications

Application Specification

## AMPMODU MTE Interconnection System

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

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Product Type Features	PCB Mounting Orientation	<b>Vertical</b>
	Product Type	<b>Connector</b>
	Connector Type	<b>Header</b>
	Strain Relief	<b>Without</b>
	Row-to-Row Spacing	<b>2.54 mm [ .1 in ]</b>
	Connector Style	<b>Plug</b>
	PCB Orientation Feature	<b>No</b>
	Applies To	<b>Printed Circuit Board</b>

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Configuration Features	Number of Positions	<b>10</b>
	Number of Rows	<b>1</b>
	Backwall/Post Interruptions	<b>Without</b>

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Electrical Characteristics	Dielectric Withstanding Voltage	<b>600 V</b>
	Insulation Resistance	<b>5000 MΩ</b>
	Termination Resistance	<b>15 MΩ</b>

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Body Features	Header Type	<b>Shrouded</b>
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Contact Features	Contact Mating Area Plating Material	<b>Gold</b>
	Contact Mating Area Plating Thickness (µin)	<b>30</b>
	Contact Termination Area Plating Thickness	<b>2.54 – 5.08 µm [ 100 – 200 µin ]</b>
	Contact Shape	<b>Square</b>
	Contact Termination Area Plating Material	<b>Tin</b>
	Tail Plating Material	<b>Tin</b>
	Tail Plating Thickness	<b>2.54 – 5.08 µm [ 100 – 200 µin ]</b>
	Contact Type	<b>Pin</b>

	Solder Tail Contact Plating Material	<b>Tin</b>
	Contact Current Rating (A)	<b>3</b>
	Contact Termination Area Plating Material Finish	<b>Matte</b>
	Contact Base Material	<b>Brass</b>
Termination Features	Termination Method to Wire/Cable	<b>Crimp, Insulation Displacement Crimp (IDC)</b>
Mechanical Attachment	PCB Mounting Style	<b>Through Hole</b>
	PCB Mount Alignment	<b>Without</b>
	Mating Retention	<b>With</b>
	PCB Mount Retention	<b>With</b>
	PCB Mount Retention Type	<b>Hold-Down</b>
	Contact Retention	<b>With</b>
	Mating Alignment Type	<b>Latched</b>
	Contact Retention Type	<b>Locking Lance</b>
	Mating Retention Type	<b>Hold-Down</b>
	Mating Alignment	<b>With</b>
Housing Features	Centerline	<b>2.54 mm [ .1 in ]</b>
	Housing Color	<b>Black</b>
	Housing Material	<b>Thermoplastic</b>
Dimensions	Tail Length	<b>3.3 mm [ .13 in ]</b>
	Mating Post Length	<b>5.84 mm [ .23 in ]</b>
	PCB Thickness (Recommended)	<b>.69 mm [ .027 – .08 in ]</b>
	Height	<b>13.59 mm [ .535 in ]</b>
	Length	<b>27.94 mm [ 1.1 in ]</b>
Usage Conditions	Operating Temperature Range (°C)	<b>-65 – 105</b>
Operation/Application	For Use With	<b>Receptacle Housing Assembly</b>
	Pick and Place Cover	<b>Without</b>
Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
	Approved Standards	<b>CSA LR7189, UL E28476</b>
Packaging Features	Packaging Method	<b>Tube, Tube/Box</b>

Packaging Features

Packaging Method

Tube, Tube/Box

Packaging Quantity

19

Other

Comment

**Use Keying Tool No. 91417-1 to remove post for keying.**

Product Compliance

[Statement of Compliance](#)  
PDF

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