



# HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)

## 20P MTA100 HDR ASSY (NARROW)

[MTA](#) | [MTA-100](#)

5-644456-0

TE Internal Number: 5-644456-0

Always EU RoHS/ELV Compliant

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

Number of Positions **20**

PCB Mounting Orientation **Vertical**

PCB Mounting Style **Through Hole**

Number of Rows **1**

Active

[PRODUCT DRAWING](#)  
English

[3D PDF](#)

### Product Drawings

[MTA-100 HEADER ASSEMBLY,NARROW, .025 SQUARE STRAIGHT POST, TIN PLATED](#)

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

[MTA, CST-100 II, SL-156 And AMP Economy Power \(EP\) Connectors](#)

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

PCB Mounting Orientation

**Vertical**

Product Type

**Connector**

Connector Type

**Header**

Connector System

**Wire-to-Board**

Strain Relief

**Without**

	Sealed	<b>No</b>
	Connector Style	<b>Plug</b>
	Applies To	<b>Printed Circuit Board</b>
Configuration Features	Number of Positions	<b>20</b>
	Number of Rows	<b>1</b>
	Backwall/Post Interruptions	<b>Without</b>
Electrical Characteristics	Operating Voltage (VAC)	<b>250</b>
Body Features	Header Type	<b>Breakaway</b>
Contact Features	Contact Mating Area Plating Material	<b>Tin</b>
	Contact Mating Area Plating Thickness	<b>3.81 – 8.89 µm [ 150 – 350 µin ]</b>
	Underplate Material	<b>Nickel</b>
	Contact Termination Area Plating Thickness	<b>3.81 – 8.89 µm [ 150 – 350 µin ]</b>
	Underplate Material Thickness	<b>1.27 µm, 50 µin</b>
	Contact Style	<b>Straight</b>
	Contact Shape	<b>Square</b>
	Tail Plating Material	<b>Tin</b>
	Contact Termination Area Plating Material	<b>Tin</b>
	Tail Plating Thickness	<b>3.81 – 8.89 µm [ 150 – 350 µin ]</b>
	Contact Type	<b>Pin</b>
	Contact Current Rating (A)	<b>5</b>
	Contact Layout	<b>Inline</b>
	Contact Termination Area Plating Material Finish	<b>Matte</b>
Contact Base Material	<b>Copper Alloy</b>	
Termination Features	Termination Method to PC Board	<b>Through Hole - Solder</b>
	Termination Method to Wire/Cable	<b>Solder</b>
Mechanical Attachment	PCB Mounting Style	<b>Through Hole</b>
	PCB Mount Alignment	<b>Without</b>
	Mating Retention	<b>Without</b>
	PCB Mount Retention	<b>Without</b>
	Contact Retention	<b>Without</b>

	Panel Mount Retention	<b>Without</b>
	Mating Alignment	<b>Without</b>
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Housing Features	Centerline	<b>2.54 mm [ .1 in ]</b>
	Housing Color	<b>Natural</b>
	Housing Style	<b>Narrow</b>
	Housing Material	<b>Polyester - GF</b>
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Dimensions	Tail Length	<b>2.79 mm [ .11 in ]</b>
	Mating Post Length	<b>7.49 mm [ .295 in ]</b>
	PCB Thickness (Recommended)	<b>1.6 mm [ .063 in ]</b>
	Height	<b>10.03 mm [ .395 in ]</b>
	Length	<b>50.5 mm [ 1.988 in ]</b>
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Usage Conditions	Operating Temperature Range	<b>-55 – 105 °C [ -67 – 221 °F ]</b>
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Operation/Application	For Use With	<b>MTA .100 Connector Assembly</b>
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Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
	UL File Number	<b>E28476</b>
	CSA Rating	<b>Certified</b>
	Agency/Standard	<b>CSA, UL</b>
	CSA File Number	<b>LR7189</b>
	UL Rating	<b>Recognized</b>
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Packaging Features	Packaging Method	<b>Bag/Box</b>
	Packaging Quantity	<b>125</b>
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Other	Comment	<b>Mates with CST-100 connector</b>
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Product Compliance	<a href="#">Statement of Compliance</a> PDF <a href="#">VIEW ALL PRODUCT COMPLIANCE</a>	



Relation Type ▼

RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - W-T-B Headers & Receptacles  
MTA | MTA-100

### 20 CIR MTA-100 ASSY TAPE LF - 5-641313-0

TE INTERNAL NUMBER: 5-641313-0

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

Number of Positions **20**

Number of Rows **1**

Contact Mating Area Plating  
Material **Tin**

Contact Mating Area Plating  
Material Finish **Matte**



RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - W-T-B Headers & Receptacles  
MTA | MTA-100

### 20P MTA100 CONN ASSY F/T NATL - 5-640621-0

TE INTERNAL NUMBER: 5-640621-0

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

Number of Positions **20**

Number of Rows **1**

Contact Mating Area Plating  
Material **Tin**

Contact Mating Area Plating  
Material Finish **Matte**



RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - W-T-B Headers & Receptacles  
MTA | MTA-100

### 20P MTA100 CONN ASSY POL RIB - 2-643813-0

TE INTERNAL NUMBER: 2-643813-0

✓ Active

Not EU RoHS or ELV Compliant

Centerline **2.54 mm**

Number of Positions **20**

Number of Rows **1**

Contact Mating Area Plating  
Material **Tin-Lead**

Contact Mating Area Plating  
Material Finish **Bright**



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