



## HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)

### 02P MTA100 STR HDR RETENTIVE

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

3-644695-2

TE Internal Number: 3-644695-2

Always EU RoHS/ELV Compliant

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

Number of Positions **2**

PCB Mounting Orientation **Vertical**

Number of Rows **1**

Contact Mating Area Plating Material **Tin**

✓ Active

[↓ PRODUCT DRAWING](#)  
English

[↓ 3D PDF](#)

#### Product Drawings

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

PDF  
English

#### CAD Files

[Customer View Model](#)

3D\_STP.ZIP  
English

[Customer View Model](#)

2D\_DXF.ZIP  
English

[3D PDF](#)

PDF  
English

[Customer View Model](#)

3D\_IGS.ZIP  
English

#### Catalog Pages/Data Sheets

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

PDF  
English

#### Product Specifications

Product Specification

[Connector, MTA-100](#)

PDF  
English

#### Product Environmental Compliance

TE Material Declaration


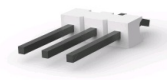


[MD\\_3-644695-2\\_12182013137\\_dmtec](#)

PDF  
English

Product Type Features	PCB Mounting Orientation	<b>Vertical</b>
	Product Type	<b>Connector</b>
	Connector Type	<b>Header</b>
	Connector System	<b>Wire-to-Board</b>
	Strain Relief	<b>Without</b>
	Sealed	<b>No</b>
	Connector Style	<b>Plug</b>
	Applies To	<b>Printed Circuit Board</b>
Configuration Features	Number of Positions	<b>2</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 <math>\mu\text{m}</math> [ 150 <math>\mu\text{in}</math> ]</b>
	Underplate Material	<b>Nickel</b>
	Contact Termination Area Plating Thickness	<b>3.81 <math>\mu\text{m}</math> [ 150 <math>\mu\text{in}</math> ]</b>
	Underplate Material Thickness	<b>1.27 <math>\mu\text{m}</math>, 50 <math>\mu\text{in}</math></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 <math>\mu\text{m}</math> [ 150 <math>\mu\text{in}</math> ]</b>
	Contact Type	<b>Pin</b>
	Contact Transmits (Typical)	<b>Power</b>
	Contact Current Rating (A)	<b>5</b>
	Contact Layout	<b>Inline</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 Mount Alignment	<b>Without</b>
	Mating Retention	<b>Without</b>
	PCB Mount Retention	<b>With</b>
	PCB Mount Retention Type	<b>Retention Legs</b>
	Contact Retention	<b>Without</b>
	Panel Mount Retention	<b>Without</b>
	Mating Alignment	<b>Without</b>
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>
Dimensions	Tail Length	<b>2.79 mm [ .109 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>4.78 mm [ .188 in ]</b>
Usage Conditions	Operating Temperature Range	<b>-55 – 105 °C [ -67 – 221 °F ]</b>
Operation/Application	For Use With	<b>MTA .100 Connector Assembly</b>
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>
Packaging Features	Packaging Method	<b>Bag/Box</b>
	Packaging Quantity	<b>500</b>
Other	Comment	<b>Mates with CST-100 connector</b>

## CUSTOMERS ALSO BOUGHT

<p>CIRCULAR RJ45 CONNECTORS</p>  <p><b>ETHERNET DIRECT PCB MNT RCPT</b> 1-1546405-1</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p>WIRE-TO-BOARD HEADERS &amp; RECEPTACLES</p>  <p><b>03P MTA100 STR HDR RETENTIVE</b> 3-644695-3</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p>WIRE-TO-BOARD HEADERS &amp; RECEPTACLES</p>  <p><b>06P MTA100 HDR ASSY F/L SQ STR</b> 640456-6</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p>WIRE-TO-BOARD HEADERS &amp; RECEPTACLES</p>  <p><b>05 MTE HDR SRRA SFMNT .100CL</b> 5-147278-4</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>
--	--	--	--

Products - 73 Results

[View All](#)

[Compare 0/10](#)


Relation Type ▼

RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)


	<p>PRODUCT - MATING PRODUCTS</p>	<p>Connectors - W-T-B Headers &amp; Receptacles MTA   MTA-100</p> <p><b>02P MTA100 CONN ASSY BLU - 3-640442-2</b></p> <p>TE INTERNAL NUMBER: 3-640442-2</p> <p>✓ Active</p>	<p><b>Always EU RoHS/ELV Compliant</b></p> <p>Centerline <b>2.54 mm</b></p> <p>Number of Positions <b>2</b></p> <p>Number of Rows <b>1</b></p> <p>Contact Mating Area Plating Material <b>Tin</b></p> <p>Contact Mating Area Plating Material Finish <b>Matte</b></p>	<input checked="" type="checkbox"/>
---	----------------------------------	---	---	-------------------------------------

RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

	<p>PRODUCT - MATING PRODUCTS</p>	<p>Connectors - W-T-B Headers &amp; Receptacles MTA   MTA-100</p> <p><b>02P MTA100 CONN ASSY ON TAPE - 640471-2</b></p> <p>TE INTERNAL NUMBER: 640471-2</p>	<p><b>Not EU RoHS or ELV Compliant</b></p> <p>Centerline <b>2.54 mm</b></p> <p>Number of Positions <b>2</b></p> <p>Number of Rows <b>1</b></p>	<input checked="" type="checkbox"/>
---	----------------------------------	---	--	-------------------------------------

✓ Active

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

Contact Mating Area Plating  
Material Finish **Bright**

RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



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

**02P MTA100 CONN  
ASSY GRN - 3-640443-2**

TE INTERNAL NUMBER: 3-640443-2

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

Number of Positions **2**

Number of Rows **1**

Contact Mating Area Plating  
Material **Tin**

Contact Mating Area Plating  
Material Finish **Matte**

