



## HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)

### 02P MTA100 HDR ASSY SQ R/A F/L

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

640457-2

TE Internal Number: 640457-2

[Always EU RoHS/ELV Compliant](#)

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

Number of Positions **2**

PCB Mounting Orientation **Right Angle**

PCB Mounting Style **Through Hole**

Number of Rows **1**

✓ Active

[↓ PRODUCT DRAWING](#)  
English

[↓ 3D PDF](#)

#### Product Drawings

[MTA 100 HEADER ASSEMBLY, FRICTION LOCK, NOTCHED, .025 SQUARE RIGHT ANGLE POST, TIN PLATED](#)

PDF  
English

#### CAD Files

[Customer View Model](#)

2D\_DXF.ZIP  
English

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

[3D PDF](#)

PDF  
English

#### Catalog Pages/Data Sheets

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

PDF  
English

#### Product Environmental Compliance

TE Material Declaration

[MD\\_640457-2\\_012120162232\\_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

PCB Mounting Orientation

**Right Angle**





Product Type

**Connector**

	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>
<hr/>		
Configuration Features	Number of Positions	<b>2</b>
	Number of Rows	<b>1</b>
	Right Angle Bending Side	<b>Front</b>
	Backwall/Post Interruptions	<b>Without</b>
<hr/>		
Electrical Characteristics	Operating Voltage (VAC)	<b>250</b>
<hr/>		
Body Features	Header Type	<b>Unshrouded</b>
<hr/>		
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>
	Underplate Material Thickness	<b>1.27 <math>\mu\text{m}</math>, 50 <math>\mu\text{in}</math></b>
	Contact Style	<b>Right Angle</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 Current Rating (A)	<b>5</b>
	Contact Layout	<b>Inline</b>
	Contact Base Material	<b>Copper Alloy</b>
<hr/>		
Termination Features	Termination Method to PC Board	<b>Through Hole - Solder</b>
	Termination Method to Wire/Cable	<b>Solder</b>
<hr/>		
Mechanical Attachment	PCB Mounting Style	<b>Through Hole</b>
	PCB Mount Alignment	<b>Without</b>
	Mating Retention	<b>With</b>
	PCB Mount Retention	<b>Without</b>

	PCB Mount Retention	<b>Without</b>
	Contact Retention	<b>Without</b>
	Mating Retention Type	<b>Friction Lock</b>
	Panel Mount Retention	<b>Without</b>
	Mating Alignment	<b>Without</b>
<hr/>		
Housing Features	Centerline	<b>2.54 mm [ .1 in ]</b>
	Housing Color	<b>Natural</b>
	Housing Style	<b>Friction Lock</b>
	Housing Material	<b>Polyester - GF</b>
<hr/>		
Dimensions	Tail Length	<b>3.56 mm [ .14 in ]</b>
	Mating Post Length	<b>7.49 mm [ .295 in ]</b>
	PCB Thickness (Recommended)	<b>1.6 mm [ .063 in ]</b>
	Height	<b>7.87 mm [ .31 in ]</b>
	Length	<b>5.08 mm [ .2 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>
	Pick and Place Cover	<b>Without</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>
<hr/>		
Packaging Features	Packaging Method	<b>Package</b>
	Packaging Quantity	<b>1</b>
<hr/>		
Product Compliance	<a href="#">Statement of Compliance</a> PDF	
	<a href="#">VIEW ALL PRODUCT COMPLIANCE</a>	

CUSTOMERS ALSO BOUGHT

<p>PCB D-SUB CONNECTORS</p>  <p>15 RCPT SP/FMS BRDLK 2-5747707-0</p> <p>Save to List Find Similar Products</p>	<p>WIRE-TO-BOARD HEADERS &amp; RECEPTACLES</p>  <p>2mm PITCH HPI POST HEADER, VERTICAL, 4P 1735446-4</p> <p>Save to List Find Similar Products</p>	<p>WIRE-TO-BOARD HEADERS &amp; RECEPTACLES</p>  <p>04P MTA100 HDR ASSY SQ R/A F/L 640457-4</p> <p>Save to List Find Similar Products</p>	<p>SURFACE MOUNT RESISTORS</p>  <p>RLP73K 3A R30 1% 1K RL RLP73K3AR30FTDF</p> <p>Save to List Find Similar Products</p>
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Products - 73 Results

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Relation Type ▼

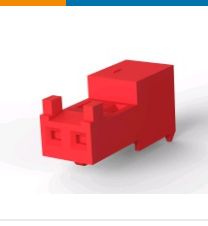
RELATIONSHIP  
**Mating Products**  
Used to identify Mating Parts

[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 BLK LF - 3-644576-2</b></p> <p>TE INTERNAL NUMBER: 3-644576-2</p> <p>✓ Active</p> <p>Always EU RoHS/ELV Compliant</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>
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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 - 4-644511-2</b></p> <p>TE INTERNAL NUMBER: 4-644511-2</p> <p>✓ Active</p> <p>Always EU RoHS/ELV Compliant</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>
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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 LF - 3-644313-2

TE INTERNAL NUMBER: 3-644313-2

✓ 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**