



# HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)

## 02P MTA100 HDR ASSY SQ STR POL

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

640454-2

TE Internal Number: 640454-2

[Always EU RoHS/ELV Compliant](#)

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

Number of Positions **2**

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, POLARIZED, NOTCHED, .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

### Product Environmental Compliance

TE Material Declaration

[MD\\_640454-2\\_12122015140\\_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

**Vertical**

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>
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>Unshrouded</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>
	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 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 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>

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>Polarized</b>
	Housing Material	<b>Polyester - GF</b>

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>7.75 mm [ .305 in ]</b>
	Length	<b>5.08 mm [ .2 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>
	Pick and Place Cover	<b>Without</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>Package</b>
	Packaging Quantity	<b>1</b>

Product Compliance [Statement of Compliance PDF](#)

[VIEW ALL PRODUCT COMPLIANCE](#)





## CUSTOMERS ALSO BOUGHT

WIRE-TO-BOARD HEADERS & RECEPTACLES

MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES

TELECOM DEVICES

MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES

 <p><b>02P MTA100 CONN ASSY F/T W/LCK</b> 3-644540-2</p> <p>Save to List Find Similar Products</p>	 <p><b>04 MODII HDR DRST B/A .100CL</b> 5-146258-2</p> <p>Save to List Find Similar Products</p>	 <p><b>TR600-150F-EX</b> TR600-150F-EX</p> <p>Save to List Find Similar Products</p>	 <p><b>80 MODII HDR DRRA B/A .100CL</b> 9-103795-0</p> <p>Save to List Find Similar Products</p>
--	--	--	--

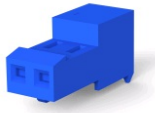
Products - 73 Results

View All Compare 0/10

Relation Type ▼

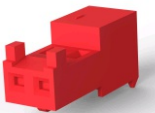
RELATIONSHIP  
**Mating Products**  
Used to identify Mating Parts

[See All Mating Products](#)

	<p>PRODUCT - MATING PRODUCTS <span style="float: right;">✓</span></p> <p>Connectors - W-T-B Headers &amp; Receptacles MTA   MTA-100</p> <p><b>02P MTA100 CONN ASSY 26AWG</b> - 3-641536-2 TE INTERNAL NUMBER: 3-641536-2</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>
---	---

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

[See All Mating Products](#)

	<p>PRODUCT - MATING PRODUCTS <span style="float: right;">✓</span></p> <p>Connectors - W-T-B Headers &amp; Receptacles MTA   MTA-100</p> <p><b>02P MTA100 CONN ASSY ON TAPE</b> - 4-644511-2 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>
---	---

RELATIONSHIP  
**Mating Products**

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



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

### 02P MTA100 CONN ASSY BLU - 3-640442-2

TE INTERNAL NUMBER: 3-640442-2

✓ 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**