



# HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)

## 08P MTA100 SHRD HDR ASSY RA FL

MTA | MTA-100

2-644803-8

TE Internal Number: 2-644803-8

Always EU RoHS/ELV Compliant

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

Number of Positions **8**

PCB Mounting Orientation **Right Angle**

Number of Rows **1**

Contact Mating Area Plating Material **Tin**

Active

PRODUCT DRAWING  
English

3D PDF

### Product Drawings

[MTA-100 SHROUDED HEADER ASSEMBLY, FRICTION LOCK,RIGHT ANGLE POST, TIN OR TIN LEAD PLATED](#)

PDF  
English

### CAD Files

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

[3D PDF](#)

PDF  
3D

[Customer View Model](#)

2D\_DXF.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

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>8</b>
	Number of Rows	<b>1</b>
	Right Angle Bending Side	<b>Rear</b>
	Backwall/Post Interruptions	<b>Without</b>
<hr/>		
Electrical Characteristics	Operating Voltage (VAC)	<b>250</b>
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Body Features	Header Type	<b>Shrouded</b>
<hr/>		
Contact Features	Contact Mating Area Plating Material	<b>Tin</b>
	Contact Mating Area Plating Thickness	<b>3.81 – 6.3 <math>\mu</math>m [ 150 – 250 <math>\mu</math>in ]</b>
	Underplate Material	<b>Nickel</b>
	Contact Termination Area Plating Thickness	<b>3.81 – 6.35 <math>\mu</math>m [ 150 – 250 <math>\mu</math>in ]</b>
	Underplate Material Thickness	<b>1.27 <math>\mu</math>m, 50 <math>\mu</math>in</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 – 6.35 <math>\mu</math>m [ 150 – 250 <math>\mu</math>in ]</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 Termination Area Plating Material Finish	<b>Matte</b>
	Contact Base Material	<b>Copper Alloy</b>
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Termination Features	Termination Method to PC Board	<b>Through Hole - Solder</b>
	Termination Method to Wire/Cable	<b>Solder</b>
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Mechanical Attachment	PCB Mount Alignment	<b>Without</b>
	Mating Retention	<b>With</b>
	PCB Mount Retention	<b>Without</b>
	Contact Retention	<b>Without</b>
	Mating Alignment Type	<b>Polarizing Tab</b>
	Mating Retention Type	<b>Friction Lock</b>
	Panel Mount Retention	<b>Without</b>
	Mating Alignment	<b>With</b>

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Housing Features	Centerline	<b>2.54 mm [ .1 in ]</b>
	Housing Color	<b>Black</b>
	Housing Style	<b>Friction Lock</b>
	Housing Material	<b>Polyester - GF</b>

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Dimensions	Tail Length	<b>3.3 mm [ .13 in ]</b>
	Mating Post Length	<b>5.1 mm [ .2 in ]</b>
	PCB Thickness (Recommended)	<b>1.6 mm [ .063 in ]</b>
	Height	<b>10.41 mm [ .41 in ]</b>
	Length	<b>22.45 mm [ .884 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>Box/Carton</b>
	Packaging Quantity	<b>1000</b>

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Product Compliance [Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

## CUSTOMERS ALSO BOUGHT

WIRE-TO-BOARD HEADERS & RECEPTACLES	TEST PROBE RECEPTACLES	WIRE-TO-BOARD HEADERS & RECEPTACLES	WIRE-TO-BOARD CONNECTOR CONTACTS
			
04P MTA100 CONN ASSY RED LF 3-641190-4	TEST PROBE REC130H BI-MT WHT GPBR 3-582340-9	05P MTA100 CONN ASSY POL RIB 3-643813-5	SHORT POINT CONT 30 DPLX STMPD LF 1-104480-3
<a href="#">Save to List</a> <a href="#">Find Similar Products</a>			

Products - 55 Results

[View All](#)

[Compare 0/10](#)

Relation Type ▼

RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS		<input checked="" type="checkbox"/>
	<p>Connectors - W-T-B Headers &amp; Receptacles MTA   MTA-100</p> <p><b>08P MTA100 CONN ASSY POL RIB</b> - 3-643813-8 TE INTERNAL NUMBER: 3-643813-8</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Centerline <b>2.54 mm</b></p> <p>Number of Positions <b>8</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](#)

PRODUCT - MATING PRODUCTS		<input checked="" type="checkbox"/>
	<p>Connectors - W-T-B Headers &amp; Receptacles MTA   MTA-100</p> <p><b>08P MTA100 CONN ASSY F/T 24AWG</b> - 3-644563-8 TE INTERNAL NUMBER: 3-644563-8</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Centerline <b>2.54 mm</b></p> <p>Number of Positions <b>8</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</p>

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

**08P MTA100 CONN  
ASSY WHT - 640441-8**

TE INTERNAL NUMBER: 640441-8

✓ Active

Not EU RoHS or ELV Compliant

Centerline **2.54 mm**

Number of Positions **8**

Number of Rows **1**

Contact Mating Area Plating

Material **Tin-Lead**

Contact Mating Area Plating

Material Finish **Bright**

