



## HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)

### 08P MTA100 CONN ASSY WHT

MTA | MTA-100

3-640441-8

TE Internal Number: 3-640441-8

Alias ID: 2-42933-9056

Always EU RoHS/ELV Compliant

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

Number of Positions **8**

Number of Rows **1**

Contact Mating Area Plating Material **Tin**

Contact Mating Area Plating Material Finish **Matte**

Active

PRODUCT DRAWING  
English

3D PDF

#### Product Drawings

[MTA-100 CONNECTOR ASSEMBLY, 24 AWG, STANDARD](#)

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 Specifications

Application Specification

[MTA 100 Connector](#)

PDF  
English

#### Product Environmental Compliance

TE Material Declaration

[MD\\_3-640441-8\\_02172012113](#)

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	Product Type	<b>Connector</b>
	Connector Type	<b>Connector Assembly</b>
	Connector System	<b>Wire-to-Post</b>
	Wire/Cable Type	<b>Discrete Wire, Stranded</b>
	Strain Relief	<b>With</b>
	Sealed	<b>No</b>
	Connector Style	<b>Receptacle</b>
	Applies To	<b>Wire/Cable</b>
Connector Design	<b>Closed End</b>	
Configuration Features	Number of Positions	<b>8</b>
	Number of Rows	<b>1</b>
	Backwall/Post Interruptions	<b>Without</b>
Electrical Characteristics	Operating Voltage (VAC)	<b>250</b>
Body Features	Cable Exit Angle	<b>90°</b>
Contact Features	Contact Mating Area Plating Material	<b>Tin</b>
	Contact Mating Area Plating Material Finish	<b>Matte</b>
	Contact Mating Area Plating Thickness	<b>2.03 – 5.08 µm [ 80 – 200 µin ]</b>
	Underplate Material	<b>Nickel</b>
	Contact Termination Area Plating Thickness	<b>2.03 – 5.08 µm [ 80 – 200 µin ]</b>
	Underplate Material Thickness	<b>.762 µm, 30 µin</b>
	Contact Termination Area Plating Material	<b>Tin</b>
	Contact Type	<b>Socket</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 Wire/Cable	<b>IDC</b>
Mechanical Attachment	PCB Mount Alignment	<b>Without</b>
	Mating Retention	<b>With</b>
	PCB Mount Retention	<b>Without</b>

Contact Retention	<b>With</b>
Contact Retention Type	<b>Locking Lance</b>
Mating Retention Type	<b>Locking Ramp</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>White</b>
	Housing Style	<b>Standard</b>
	Housing Material	<b>Nylon</b>

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Dimensions	Height	<b>6.99 mm [ .275 in ]</b>
	Wire/Cable Size (AWG)	<b>24</b>
	Wire/Cable Size (mm <sup>2</sup> )	<b>.2</b>
	Insulation Diameter	<b>1.52 mm [ .06 in ]</b>
	Length	<b>20.32 mm [ .8 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 Headers &amp; MTA .100 IDC Posted Connectors</b>
	Pick and Place Cover	<b>Without</b>

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Industry Standards	UL Flammability Rating	<b>UL 94V-2</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>500</b>

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Product Compliance	<a href="#">Statement of Compliance</a> PDF
	<a href="#">VIEW ALL PRODUCT COMPLIANCE</a>

# CUSTOMERS ALSO BOUGHT

<p><b>RECTANGULAR CONNECTOR HOUSINGS</b></p>  <p><b>DYNAMIC 3100D TAB HSG 12P PNL</b> 178803-6</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p><b>BARRIER STRIPS</b></p>  <p><b>L02=STEEL, ZINC W/CHROM.PLATE, S L02</b></p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	 <p><b>RP 2A 0.25W 634R 0.1% 25PPM 1K RL</b> 9-2176091-9</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p><b>WIRE-TO-BOARD HEADERS &amp; RECEPTACLES</b></p>  <p><b>10P MTA100 HDR ASSY SQ R/A POL</b> 1-640455-0</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>
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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>08P MTA100 HRD ASSY F/L LF - 3-647630-8</b> TE INTERNAL NUMBER: 3-647630-8</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>PCB Mounting Orientation <b>Right Angle</b></p> <p>PCB Mounting Style <b>Through Hole</b></p> <p>Number of Rows <b>1</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>08P MTA100 HDR ASSY SQ STR POL - 640454-8</b> TE INTERNAL NUMBER: 640454-8</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>PCB Mounting Orientation <b>Vertical</b></p> <p>PCB Mounting Style <b>Through Hole</b></p> <p>Number of Rows <b>1</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

**08P MTA100 HDR ASSY,  
R/A, W/O#4 - 644437-1**

TE INTERNAL NUMBER: 644437-1

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

Number of Positions **8**

PCB Mounting Orientation **Right  
Angle**

PCB Mounting Style **Through  
Hole**

Number of Rows **1**