



## HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)

### 03P MTA100 CONN ASSY 22AWG RED

MTA | MTA-100

3-640440-3

TE Internal Number: 3-640440-3

Always EU RoHS/ELV Compliant

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

Number of Positions **3**

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, 22 AWG, STANDARD](#)

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 Specifications

Application Specification

[MTA 100 Connector](#)

PDF  
English

#### Product Environmental Compliance

TE Material Declaration

[MD\\_3-640440-3\\_12182013135\\_dmtec](#)

PDF  
English

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>3</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 µm [ 80 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>

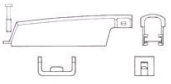
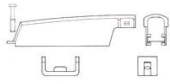


	Contact Retention	<b>With</b>
	Contact Retention Type	<b>Locking Lance</b>
	Mating Retention Type	<b>Locking Ramp</b>
	Panel Mount Retention	<b>Without</b>
	Mating Alignment	<b>Without</b>
<hr/>		
Housing Features	Centerline	<b>2.54 mm [ .1 in ]</b>
	Housing Color	<b>Red</b>
	Housing Style	<b>Standard</b>
	Housing Material	<b>Nylon</b>
<hr/>		
Dimensions	Height	<b>6.99 mm [ .275 in ]</b>
	Wire/Cable Size (AWG)	<b>22</b>
	Wire/Cable Size (mm <sup>2</sup> )	<b>.3 – .4</b>
	Insulation Diameter	<b>1.52 mm [ .06 in ]</b>
	Length	<b>7.62 mm [ .3 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>
<hr/>		
Packaging Features	Packaging Method	<b>Bag/Box</b>
	Packaging Quantity	<b>500</b>
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Other	Comment	<b>Stripe may run down between ribs</b>
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Product Compliance

[Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

## CUSTOMERS ALSO BOUGHT

D-SUB COVERS	D-SUB BACKSHELLS & CLAMPS	WIRE-TO-BOARD HEADERS & RECEPTACLES	CRIMP QUICK DISCONNECTS
 <p>COVER, TAPERED, 90DEG"CHAMP PKG" 229909-1</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	 <p>CLAMP, CABLE "CHAMP PACKAGING" 229910-1</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	 <p>06P MTA100 PSTD CONN ASSY LF 3-647000-6</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	 <p>250 PB FAS TAB&amp;REC 18-14 TPBR 62109-2</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>

Products - 39 Results

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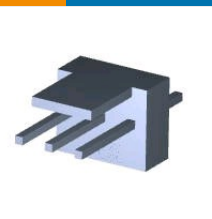
Relation Type ▼

RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

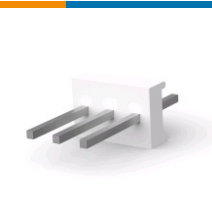
PRODUCT - MATING PRODUCTS		
	<p>Connectors - W-T-B Headers &amp; Receptacles MTA   MTA-100</p> <p><b>03P MTA100 HDR ASSY POL HT LF - 3-647047-3</b></p> <p>TE INTERNAL NUMBER: 3-647047-3</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Centerline <b>2.54 mm</b></p> <p>Number of Positions <b>3</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>

RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS		
	<p>Connectors - W-T-B Headers &amp; Receptacles MTA   MTA-100</p> <p><b>03P MTA100 HDR ASSY SQ STR - 640452-3</b></p> <p>TE INTERNAL NUMBER: 640452-3</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Centerline <b>2.54 mm</b></p> <p>Number of Positions <b>3</b></p> <p>PCB Mounting Orientation <b>Vertical</b></p> <p>PCB Mounting Style <b>Through</b></p>

PCB Mounting Style **Through Hole**

Number of Rows **1**

RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

### PRODUCT - MATING PRODUCTS



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

## 03P MTA100 HDR ASSY SQ R/A - 640453-3

TE INTERNAL NUMBER: 640453-3

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

Number of Positions **3**

PCB Mounting Orientation **Right Angle**

PCB Mounting Style **Through Hole**

Number of Rows **1**

