



## HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)

### 12P MTA100 CONN ASSY 22AWG RED

MTA | MTA-100

4-640440-2

TE Internal Number: 4-640440-2

Always EU RoHS/ELV Compliant

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

Number of Positions **12**

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

[3D PDF](#)

PDF  
3D

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

[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

Application Specification

[MTA 100 Connector](#)

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

**Connector**

Connector Type

**Connector Assembly**

Connector System

**Wire to Board**

	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>
<hr/>		
Configuration Features	Number of Positions	<b>12</b>
	Number of Rows	<b>1</b>
	Backwall/Post Interruptions	<b>Without</b>
<hr/>		
Electrical Characteristics	Operating Voltage (VAC)	<b>250</b>
<hr/>		
Body Features	Cable Exit Angle	<b>90°</b>
<hr/>		
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>
<hr/>		
Termination Features	Termination Method to Wire/Cable	<b>IDC</b>
<hr/>		
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>


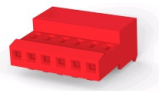


	Panel Mount Retention	<b>Without</b>
	Mating Alignment	<b>Without</b>
Housing Features	Centerline	<b>2.54 mm [ .1 in ]</b>
	Housing Color	<b>Red</b>
	Housing Style	<b>Standard</b>
	Housing Material	<b>Nylon</b>
Dimensions	Height	<b>6.99 mm [ .275 in ]</b>
	Wire/Cable Size (AWG)	<b>22</b>
	Wire/Cable Size (mm <sup>2</sup> )	<b>.3 – .4</b>
	Insulation Diameter	<b>1.52 mm [ .06 in ]</b>
	Length	<b>30.48 mm [ 1.2 in ]</b>
Usage Conditions	Operating Temperature Range	<b>-55 – 105 °C [ -67 – 221 °F ]</b>
Operation/Application	For Use With	<b>MTA .100 Headers &amp; MTA .100 IDC Posted Connectors</b>
	Pick and Place Cover	<b>Without</b>
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>
Packaging Features	Packaging Method	<b>Box/Carton</b>
	Packaging Quantity	<b>500</b>
Other	Comment	<b>Stripe may run down between ribs</b>

Product Compliance

[Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

CUSTOMERS ALSO BOUGHT

PCB CONNECTOR COVERS	WIRE-TO-BOARD HEADERS & RECEPTACLES	WIRE-TO-BOARD HEADERS & RECEPTACLES	WIRE-TO-BOARD HEADERS & RECEPTACLES
			
12P MTA100 COVER 1-640550-2	06P MTA100 CONN ASSY 22AWG RED 3-640440-6	12P MTA100 CONN ASSY POL RIB 4-643813-2	12P MTA100 HDR ASSY SQ STR POL 1-640454-2
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Relation Type ▼

RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



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

**12P MTA100 PSTD  
CONN ASSY LF**  
- 4-647003-2

TE INTERNAL NUMBER: 4-647003-2

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

Number of Positions **12**

Number of Rows **1**

Contact Mating Area Plating

Material **Tin**

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

**2P MTA100 HDR ASSY,  
SM, FL, LF - 3-647166-2**

TE INTERNAL NUMBER: 3-647166-2

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

Number of Positions **2**

PCB Mounting Orientation

**Vertical**

PCB Mounting Style **Surface**

**Mount**

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

### 12P MTA100 PSTD CONN ASSY SN - 1-647000-2

TE INTERNAL NUMBER: 1-647000-2

✓ Active

Converted to EU RoHS/ELV  
Compliant

Centerline **2.54 mm**

Number of Positions **12**

Number of Rows **1**

Contact Mating Area Plating

Material **Tin-Lead**

Contact Mating Area Plating

Material Finish **Bright**