



## HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)

### 14P MTA100 HDR ASSY SQ R/A POL

MTA | MTA-100

1-640455-4

TE Internal Number: 1-640455-4

Always EU RoHS/ELV Compliant

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

Number of Positions **14**

PCB Mounting Orientation **Right Angle**

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 RIGHT ANGLE POST, TIN PLATED](#)

PDF  
English

#### CAD Files

[Customer View Model](#)

3D\_STP.ZIP  
English

[Customer View Model](#)

3D\_IGS.ZIP  
English

[3D PDF](#)

PDF  
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

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	<b>Right Angle</b>
Product Type	<b>Connector</b>
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>14</b>
	Number of Rows	<b>1</b>
	Right Angle Bending Side	<b>Front</b>
	Backwall/Post Interruptions	<b>Without</b>
<hr/>		
Electrical Characteristics	Operating Voltage (VAC)	<b>250</b>
<hr/>		
Body Features	Header Type	<b>Unshrouded</b>
<hr/>		
Contact Features	Contact Mating Area Plating Material	<b>Tin</b>
	Contact Mating Area Plating Thickness	<b>3.81 µm [ 150 µin ]</b>
	Underplate Material	<b>Nickel</b>
	Underplate Material Thickness	<b>1.27 µm, 50 µin</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 µm [ 150 µin ]</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>
<hr/>		
Termination Features	Termination Method to PC Board	<b>Through Hole - Solder</b>
	Termination Method to Wire/Cable	<b>Solder</b>
<hr/>		
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>
	Panel Mount Retention	<b>Without</b>
	Mating Alignment	<b>Without</b>

Mating Alignment

Material

Housing Features

Centerline

2.54 mm [ .1 in ]

Housing Color

Natural

Housing Style

Polarized

Housing Material

Polyester - GF

Dimensions

Tail Length

3.56 mm [ .14 in ]

Mating Post Length

7.49 mm [ .295 in ]

PCB Thickness (Recommended)

1.6 mm [ .063 in ]

Height

7.75 mm [ .305 in ]

Length

35.56 mm [ 1.4 in ]

Usage Conditions

Operating Temperature Range

-55 – 105 °C [ -67 – 221 °F ]

Operation/Application

For Use With

MTA .100 Connector Assembly

Pick and Place Cover

Without

Industry Standards

UL Flammability Rating

UL 94V-0

UL File Number

E28476

CSA Rating

Certified

Agency/Standard

CSA, UL

CSA File Number

LR7189

UL Rating

Recognized

Packaging Features

Packaging Method

Package

Packaging Quantity

1

Product Compliance

[Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

Products - 48 Results

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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

**14P MTA100 CONN  
ASSY TAPE LF**  
- 4-640471-4

TE INTERNAL NUMBER: 4-640471-4

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

Number of Positions **14**

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

**14P MTA100 CONN  
ASSY BLK LF - 4-644578-4**

TE INTERNAL NUMBER: 4-644578-4

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

Number of Positions **14**

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

**14P MTA100 CONN  
ASSY F/T NATL**  
- 1-640621-4

TE INTERNAL NUMBER: 1-640621-4

✓ Active

Not EU RoHS or ELV Compliant

Centerline **2.54 mm**

Number of Positions **14**

Number of Rows **1**

Contact Mating Area Plating  
Material **Tin-Lead**

Contact Mating Area Plating  
Material Finish **Bright**

