



# HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)

## 12P MTA100 HDR ASSY F/L SQ STR

MTA | MTA-100

1-640456-2

TE Internal Number: 1-640456-2

Alias ID: 2-42934-0581

Always EU RoHS/ELV Compliant

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

Number of Positions **12**

PCB Mounting Orientation **Vertical**

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 STRAIGHT POST, TIN PLATED](#)

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 Environmental Compliance

TE Material Declaration

[MD\\_1-640456-2\\_100820152326\\_dmtec](#)

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

**Vertical**

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>
Configuration Features	Number of Positions	<b>12</b>
	Number of Rows	<b>1</b>
	Backwall/Post Interruptions	<b>Without</b>
Electrical Characteristics	Operating Voltage (VAC)	<b>250</b>
Body Features	Header Type	<b>Unshrouded</b>
Contact Features	Contact Mating Area Plating Material	<b>Tin</b>
	Contact Mating Area Plating Thickness	<b>3.81 <math>\mu\text{m}</math> [ 150 <math>\mu\text{in}</math> ]</b>
	Underplate Material	<b>Nickel</b>
	Underplate Material Thickness	<b>1.27 <math>\mu\text{m}</math>, 50 <math>\mu\text{in}</math></b>
	Contact Style	<b>Straight</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 <math>\mu\text{m}</math> [ 150 <math>\mu\text{in}</math> ]</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>
Termination Features	Termination Method to PC Board	<b>Through Hole - Solder</b>
	Termination Method to Wire/Cable	<b>Solder</b>
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>

Contact Retention	<b>Without</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>Natural</b>
	Housing Style	<b>Friction Lock</b>
	Housing Material	<b>Polyester - GF</b>

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Dimensions	Tail Length	<b>3.56 mm [ .14 in ]</b>
	Mating Post Length	<b>7.49 mm [ .295 in ]</b>
	PCB Thickness (Recommended)	<b>1.6 mm [ .063 in ]</b>
	Height	<b>7.87 mm [ .31 in ]</b>
	Length	<b>30.48 mm [ 1.2 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>
	Pick and Place Cover	<b>Without</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>Package</b>
	Packaging Quantity	<b>1</b>

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Product Compliance [Statement of Compliance PDF](#)

[VIEW ALL PRODUCT COMPLIANCE](#)

## CUSTOMERS ALSO BOUGHT

<a href="#">SURFACE MOUNT RESISTORS</a>	<a href="#">SURFACE MOUNT RESISTORS</a>	<a href="#">WIRE-TO-BOARD HEADERS &amp; RECEPTACLES</a>	<a href="#">BARRIER STRIPS</a>
			



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CRGH1206J39R

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4-640621-2

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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 CONN  
ASSY BLK LF - 4-644497-2

TE INTERNAL NUMBER: 4-644497-2

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

12P MTA100 CONN  
ASSY BLU - 1-640442-2

TE INTERNAL NUMBER: 1-640442-2

Active

Not EU RoHS or 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

RELATIONSHIP

### Mating Products

See All Mating Products

PRODUCT - MATING PRODUCTS



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

# 12P MTA100 CONN ASSY BLK LF - 4-644576-2

TE INTERNAL NUMBER: 4-644576-2

✓ 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**