



## HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)

### 02P MTA100 CONN ASSY POL RIB

[MTA](#) | [MTA-100](#)

3-643814-2

TE Internal Number: 3-643814-2

Always EU RoHS/ELV Compliant

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

Number of Positions **2**

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

Product Specification

[Connector, MTA-100](#)

PDF  
English

Application Specification

[MTA 100 Connector](#)

PDF  
English

#### Product Environmental Compliance

TE Material Declaration

[MD\\_3-643814-2\\_062520131011\\_dmtec](#)

PDF  
English

Drawing for all design activity.

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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>

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Configuration Features

Number of Positions	<b>2</b>
Number of Rows	<b>1</b>
Backwall/Post Interruptions	<b>Without</b>

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Electrical Characteristics

Operating Voltage (VAC)	<b>250</b>
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Body Features

Cable Exit Angle	<b>90°</b>
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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 µm [ 80 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 Transmits (Typical)	<b>Power</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>

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Termination Features

Termination Method to Wire/Cable	<b>IDC</b>
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Mechanical Attachment

PCB Mount Alignment	<b>Without</b>
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Mechanical Attachment	PCB Mount Alignment	<b>Without</b>
	Mating Retention	<b>With</b>
	PCB Mount Retention	<b>Without</b>
	Contact Retention	<b>With</b>
	Mating Alignment Type	<b>Polarization</b>
	Contact Retention Type	<b>Locking Lance</b>
	Mating Retention Type	<b>Locking Ramp</b>
	Panel Mount Retention	<b>Without</b>
	Mating Alignment	<b>With</b>
Housing Features	Centerline	<b>2.54 mm [.1 in]</b>
	Housing Color	<b>White</b>
	Housing Style	<b>Standard</b>
	Housing Material	<b>Nylon - GF</b>
Dimensions	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 (mm)	<b>5.08</b>
	Height (mm)	<b>6.99</b>
Usage Conditions	Operating Temperature Range	<b>-55 – 105 °C [-67 – 221 °F]</b>
Operation/Application	For Use With	<b>MTA .100 Header</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>Package</b>
	Packaging Quantity	<b>500</b>
Other	Comment	<b>2 &amp; 3 Position MTA-100 Posted Connectors can not mate with MTA-100 Connectors</b>

Product Compliance

Statement of Compliance  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

## CUSTOMERS ALSO BOUGHT

WIRE-TO-BOARD HEADERS & RECEPTACLES	SURFACE MOUNT RESISTORS	WIRE-TO-BOARD HEADERS & RECEPTACLES	AUTOMOTIVE, TRUCK, BUS, & OFF-ROAD TERMINALS
<p>04P MTA100 CONN ASSY POL RIB 3-643814-4</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p>CPF 0402 300R 0.1% 25PPM 1K RL CPF0402B300RE1</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p>05P MTA100 CONN ASSY POL RIB 3-643814-5</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p>STD TIMER CONTACT 925612-2</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>

Products - 26 Results

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[Compare 0/10](#)

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

**02P MTA100 HRD  
ASSYF/L HT LF**  
- 3-647051-2

TE INTERNAL NUMBER: 3-647051-2

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

Number of Positions **2**

PCB Mounting Orientation **Right  
Angle**

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

Always EU RoHS/ELV Compliant



MTA | MTA-100

## 02P MTA100 HDR ASSY

F/L LF - 3-647609-2

TE INTERNAL NUMBER: 3-647609-2

✓ Active

Centerline **2.54 mm**

Number of Positions **2**

PCB Mounting Orientation

**Vertical**

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

## 02P MTA100 HDR ASSY

F/L SQ STR - 640456-2

TE INTERNAL NUMBER: 640456-2

ALIAS ID: 2-42934-0583, 403612641

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

Number of Positions **2**

PCB Mounting Orientation

**Vertical**

PCB Mounting Style **Through**

**Hole**

Number of Rows **1**

