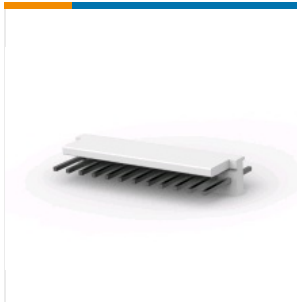




HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)

12P MTA100 HDR ASSY SQ STR POL

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

1-640454-2

TE Internal Number: 1-640454-2

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

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	Header
Connector System	Wire-to-Board
Strain Relief	Without

	Sealed	No
	Connector Style	Plug
	Applies To	Printed Circuit Board
Configuration Features	Number of Positions	12
	Number of Rows	1
	Backwall/Post Interruptions	Without
Electrical Characteristics	Operating Voltage (VAC)	250
Body Features	Header Type	Unshrouded
Contact Features	Contact Mating Area Plating Material	Tin
	Contact Mating Area Plating Thickness	3.81 µm [150 µin]
	Underplate Material	Nickel
	Underplate Material Thickness	1.27 µm, 50 µin
	Contact Style	Straight
	Contact Shape	Square
	Tail Plating Material	Tin
	Contact Termination Area Plating Material	Tin
	Tail Plating Thickness	3.81 µm [150 µin]
	Contact Type	Pin
	Contact Current Rating (A)	5
	Contact Layout	Inline
	Contact Base Material	Copper Alloy
Termination Features	Termination Method to PC Board	Through Hole - Solder
	Termination Method to Wire/Cable	Solder
Mechanical Attachment	PCB Mounting Style	Through Hole
	PCB Mount Alignment	Without
	Mating Retention	Without
	PCB Mount Retention	Without
	Contact Retention	Without
	Panel Mount Retention	Without
	Mating Alignment	Without

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	30.48 mm [1.2 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	

CUSTOMERS ALSO BOUGHT

<p>WIRE-TO-BOARD HEADERS & RECEPTACLES</p>  <p>12P MTA100 CONN ASSY POL DIR</p>	<p>WIRE-TO-BOARD HEADERS & RECEPTACLES</p>  <p>16P MTA100 CONN ASSY POL DIR</p>	<p>WIRE-TO-BOARD HEADERS & RECEPTACLES</p>  <p>09P MTA100 HDR ASSY SO STR POL</p>	<p>BOARD-TO-BOARD HEADERS & RECEPTACLES</p>  <p>64 MODII VRT DR CE 100/115</p>	
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POL RIB 4-643813-2	POL RIB 4-643815-6	SO STRIP POL 640454-9	SO STRIP POL 3-534206-2
Save to List	Save to List	Save to List	Save to List
Find Similar Products	Find Similar Products	Find Similar Products	Find Similar Products

Products - 51 Results

[View All](#)

Compare 0/10

Relation Type

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

	PRODUCT - MATING PRODUCTS	<input checked="" type="checkbox"/>
	<p>Connectors - W-T-B Headers & Receptacles MTA MTA-100</p> <p>12P MTA100 CONN ASSY POL RIB - 4-643815-2</p> <p>TE INTERNAL NUMBER: 4-643815-2</p> <p> Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Centerline 2.54 mm</p> <p>Number of Positions 12</p> <p>Number of Rows 1</p> <p>Contact Mating Area Plating Material Tin</p> <p>Contact Mating Area Plating Material Finish Matte</p>

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

	PRODUCT - MATING PRODUCTS	<input checked="" type="checkbox"/>
	<p>Connectors - W-T-B Headers & Receptacles MTA MTA-100</p> <p>12P MTA100 CONN ASSY BLU - 1-640442-2</p> <p>TE INTERNAL NUMBER: 1-640442-2</p> <p> Active</p>	<p>Not EU RoHS or ELV Compliant</p> <p>Centerline 2.54 mm</p> <p>Number of Positions 12</p> <p>Number of Rows 1</p> <p>Contact Mating Area Plating Material Tin-Lead</p> <p>Contact Mating Area Plating Material Finish Bright</p>

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

	PRODUCT - MATING PRODUCTS	<input checked="" type="checkbox"/>
	<p>Connectors - W-T-B Headers & Receptacles MTA MTA-100</p> <p>12P MTA100 CONN</p>	<p>Not EU RoHS or ELV Compliant</p>



12 POSITION CONNECTOR
ASSY F/T POL
- 1-644540-2

TE INTERNAL NUMBER: 1-644540-2

✓ Active

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**