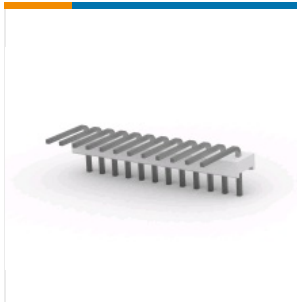




HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)

12P MTA100 HDR ASSY SQ R/A

MTA | MTA-100

1-640453-2

TE Internal Number: 1-640453-2

Always EU RoHS/ELV Compliant

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

Number of Positions **12**

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, PLAIN, .025 SQUARE RIGHT ANGLE POST, TIN-PLATED](#)

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

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	Right Angle
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	Right Angle
	Contact Shape	Square
	Contact Termination Area Plating Material	Tin
	Tail 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	Plain
	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]
	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	

Products - 51 Results

[View All](#)

[Compare 0/10](#) 

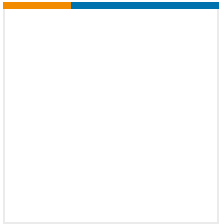
Relation Type 

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

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

12P MTA100 CONN ASSY F/T BLU - 4-640622-2

TE INTERNAL NUMBER: 4-640622-2

✓ 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 POL RIB - 4-643813-2

TE INTERNAL NUMBER: 4-643813-2

✓ 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 - 4-640442-2

TE INTERNAL NUMBER: 4-640442-2

✓ 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**