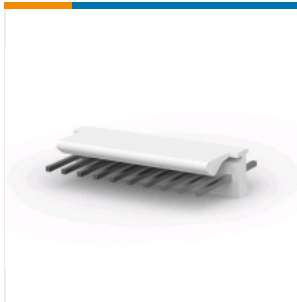




HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)

10P MTA100 HDR ASSY F/L SQ STR

MTA | MTA-100

1-640456-0

TE Internal Number: 1-640456-0
Alias ID: 2-42934-0587

Always EU RoHS/ELV Compliant

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

Number of Positions **10**

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 Specifications

Product Specification

.100 Inch Centerline Crimp-Snap Connectors

PDF
English

Connector, MTA-100

PDF
English

Qualification Test Report

Connector, MTA-100

PDF
English

Connector, MTA-100

TIF
English

.100 Inch Centerline Crimp-Snap Connectors

PDF
English

Product Environmental Compliance

TE Material Declaration

[MD_1-640456-0_100820152325_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	Header
	Connector System	Wire-to-Board
	Strain Relief	Without
	Sealed	No
	Connector Style	Plug
	Applies To	Printed Circuit Board

Configuration Features	Number of Positions	10
	Number of Rows	1
	Backwall/Post Interruptions	Without

Electrical Characteristics	Operating Voltage (VAC)	250
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Body Features	Header Type	Unshrouded
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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	Friction Lock
	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	7.87 mm [.31 in]
	Length	25.4 mm [1 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


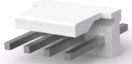


Product Compliance

Statement of Compliance

PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

CUSTOMERS ALSO BOUGHT

<p>WIRE-TO-BOARD HEADERS & RECEPTACLES</p>  <p>10P MTA100 CONN ASSY POL RIB 4-643813-0</p> <p>Save to List Find Similar Products</p>	<p>RECTANGULAR POWER CONNECTORS</p>  <p>04P MTA156 HDR ASSY SQ STR F/L 644752-4</p> <p>Save to List Find Similar Products</p>	<p>SLIDE SWITCHES</p>  <p>ASF22=DPDT AUTO-SLIDE ASF22</p> <p>Save to List Find Similar Products</p>	<p>WIRE-TO-BOARD HEADERS & RECEPTACLES</p>  <p>10P MTA100 HDR ASSY SQ STR 1-640452-0</p> <p>Save to List Find Similar Products</p>
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Products - 48 Results

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[Compare 0/10](#)


Relation Type ▼

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

	<p>PRODUCT - MATING PRODUCTS</p>	<p>Connectors - W-T-B Headers & Receptacles MTA MTA-100</p>	<p>Always EU RoHS/ELV Compliant</p>	<input checked="" type="checkbox"/>
		<p>10P MTA100 CONN ASSY F/T POL - 4-644540-0 TE INTERNAL NUMBER: 4-644540-0</p>	<p>Centerline 2.54 mm Number of Positions 10 Number of Rows 1</p>	
		<p>✓ Active</p>	<p>Contact Mating Area Plating Material Tin Contact Mating Area Plating Material Finish Matte</p>	

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

	<p>PRODUCT - MATING PRODUCTS</p>	<input checked="" type="checkbox"/>
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Connectors - W-T-B Headers & Receptacles
MTA | MTA-100

10P MTA100 CONN ASSY F/T 24AWG - 4-644563-0

TE INTERNAL NUMBER: 4-644563-0

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

Number of Positions **10**

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

10P MTA100 CONN ASSY POL RIB - 4-643813-0

TE INTERNAL NUMBER: 4-643813-0

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

Number of Positions **10**

Number of Rows **1**

Contact Mating Area Plating
Material **Tin**

Contact Mating Area Plating
Material Finish **Matte**

