



HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)

02P MTA100 HDR ASSY,SM,FL,SN

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

647166-2

TE Internal Number: 647166-2

[Always EU RoHS/ELV Compliant](#)

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

Number of Positions **2**

PCB Mounting Orientation **Vertical**

PCB Mounting Style **Surface Mount**

Number of Rows **1**

Active

[PRODUCT DRAWING](#)
English

[3D PDF](#)

Product Drawings

[MTA-100 HEADER ASSEMBLY, SURFACE MOUNT, FRICTION LOCK, .025 SQUARE STRAIGHT POST](#)

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	2
	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-Lead
	Contact Mating Area Plating Thickness	3.81 – 6.3 µm [150 – 250 µin]
	Underplate Material	Nickel
	Contact Termination Area Plating Thickness	3.81 – 6.3 µm [150 – 250 µin]
	Underplate Material Thickness	1.27 µm, 50 µin
	Contact Style	Straight
	Contact Shape	Square
	Tail Plating Material	Tin-Lead
	Tail Plating Thickness	3.81 – 6.3 µm [150 – 248.03 µin]
	Contact Type	Pin
	Contact Transmits (Typical)	Power
	Contact Current Rating (A)	5
	Contact Layout	Inline
	Contact Termination Area Plating Material Finish	Bright
Contact Base Material	Copper Alloy	
Termination Features	Termination Method to PC Board	Surface Mount
	Termination Method to Wire/Cable	Solder
Mechanical Attachment	PCB Mounting Style	Surface Mount
	PCB Mount Alignment	Without
	Mating Retention	With
	PCB Mount Retention	Without
	Contact Retention	Without

Mating Retention Type	Friction Lock
Panel Mount Retention	Without
Mating Alignment	Without

Housing Features	Centerline	2.54 mm [.1 in]
	Housing Color	Black
	Housing Style	Friction Lock
	Housing Material	Nylon 4/6

Dimensions	Mating Post Length	7.37 mm [.29 in]
	PCB Thickness (Recommended)	.25 mm [.01 in]
	Height	8.81 mm [.34 in]

Usage Conditions	Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]
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Operation/Application	For Use With	MTA .100 Connector Assembly
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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	Bag/Box
	Packaging Quantity	500

Product Compliance [Statement of Compliance PDF](#)
[VIEW ALL PRODUCT COMPLIANCE](#)

Products - 73 Results

[View All](#)

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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

02P MTA100 CONN ASSY POL TAB - 3-644083-2

TE INTERNAL NUMBER: 3-644083-2

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

Number of Positions **2**

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

02P MTA100 CONN ASSY ON TAPE - 640468-2

TE INTERNAL NUMBER: 640468-2

✓ Active

Not EU RoHS or ELV Compliant

Centerline **2.54 mm**

Number of Positions **2**

Number of Rows **1**

Contact Mating Area Plating
Material **Tin-Lead**

Contact Mating Area Plating
Material Finish **Bright**

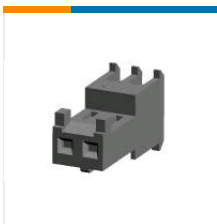


RELATIONSHIP

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 CONN ASSY BLK LF - 3-644578-2

TE INTERNAL NUMBER: 3-644578-2

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

Number of Positions **2**

Number of Rows **1**

Contact Mating Area Plating
Material **Tin**

Contact Mating Area Plating
Material Finish **Matte**



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