



HEADERS & RECEPTACLES



Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

08P MTA100 HRD ASSYF/L HT LF

MTA | MTA-100

3-647051-8

TE Internal Number: 3-647051-8

Always EU RoHS/ELV Compliant

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

Number of Positions **8**

PCB Mounting Orientation **Right Angle**

PCB Mounting Style **Through Hole**

Number of Rows **1**

Product Drawings

[MTA-100 HEADER ASSY,HIGH TEMPERATURE FRICTION LOCK,.025 SQUARE, RIGHT](#)

PDF
English

CAD Files

[Customer View Model](#)

3D_IGS.ZIP
English

[Customer View Model](#)

3D_STP.ZIP
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[Customer View Model](#)

2D_DXF.ZIP
English

Catalog Pages/Data Sheets

[MTA, CST-100 II, SL-156 And AMP Economy Power \(EP\) Connectors](#)

PDF
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Product Specifications

Product Specification

[Connector, MTA-100](#)

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
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Configuration Features	Number of Positions	8
	Number of Rows	1
	Right Angle Bending Side	Front
	Backwall/Post Interruptions	Without
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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 – 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	Right Angle
	Contact Shape	Square
	Tail Plating Material	Tin
	Contact Termination Area Plating Material	Tin
	Tail Plating Thickness	3.81 – 6.3 µm [150 – 250 µin]
	Contact Type	Pin
	Contact Transmits (Typical)	Power
	Contact Current Rating (A)	5
	Contact Layout	Inline
	Contact Termination Area Plating Material Finish	Matte
	Contact Base Material	Copper Alloy
	<hr/>	
Termination Features	Termination Method to PC Board	Through Hole - Solder
	Termination Method to Wire/Cable	Solder
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Mechanical Attachment	PCB Mounting Style	Through Hole
	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	Tail Length	3.56 mm [.14 in]
	Mating Post Length	7.37 mm [.29 in]
	PCB Thickness (Recommended)	1.57 mm [.062 in]
	Height	8.81 mm [.347 in]
	Length	20.32 mm [.8 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](#)
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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

**08P MTA100 CONN
ASSY BLK LF - 3-644312-8**

TE INTERNAL NUMBER: 3-644312-8

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

Number of Positions **8**

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

**08P MTA100 CONN
ASSY BLK LF - 3-644576-8**

TE INTERNAL NUMBER: 3-644576-8

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

Number of Positions **8**

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

**08P MTA100 CONN
ASSY TAPE LF**

- 3-640471-8

TE INTERNAL NUMBER: 3-640471-8

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

Number of Positions **8**

Number of Rows **1**

Contact Mating Area Plating

Material **Tin**



Contact Mating Area Plating
Material Finish **Matte**

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