



HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)

18P MTA100 CONN ASSY POL RIB

MTA | MTA-100

4-643813-8

TE Internal Number: 4-643813-8

Always EU RoHS/ELV Compliant

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

Number of Positions **18**

Number of Rows **1**

Contact Mating Area Plating Material **Tin**

Contact Mating Area Plating Material Finish **Matte**

✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**

Product Drawings

[MTA 100 CONNECTOR ASSEMBLY, 22 AWG, STANDARD](#)

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

[Connector, MTA-100](#)

PDF
English

Application Specification

[MTA 100 Connector](#)

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.

	Connector Type	Connector Assembly
	Connector System	Wire-to-Post
	Wire/Cable Type	Discrete Wire, Stranded
	Strain Relief	With
	Sealed	No
	Connector Style	Receptacle
	Applies To	Wire/Cable
	Connector Design	Closed End
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Configuration Features	Number of Positions	18
	Number of Rows	1
	Backwall/Post Interruptions	Without
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Electrical Characteristics	Operating Voltage (VAC)	250
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Body Features	Cable Exit Angle	90°
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Contact Features	Contact Mating Area Plating Material	Tin
	Contact Mating Area Plating Material Finish	Matte
	Contact Mating Area Plating Thickness	2.03 – 5.08 µm [80 – 200 µin]
	Underplate Material	Nickel
	Contact Termination Area Plating Thickness	2.03 µm [80 µin]
	Underplate Material Thickness	.762 µm, 30 µin
	Contact Type	Socket
	Contact Transmits (Typical)	Power
	Contact Current Rating (A)	5
	Contact Layout	Inline
	Contact Termination Area Plating Material Finish	Matte
Contact Base Material	Copper Alloy	
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Termination Features	Termination Method to Wire/Cable	IDC
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Mechanical Attachment	PCB Mount Alignment	Without
	Mating Retention	With
	PCB Mount Retention	Without
	Contact Retention	With
	Mating Alignment Type	Polarization





	Mating Alignment Type	Polarization
	Contact Retention Type	Locking Lance
	Mating Retention Type	Locking Ramp
	Panel Mount Retention	Without
	Mating Alignment	With
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Housing Features	Centerline	2.54 mm [.1 in]
	Housing Color	White
	Housing Style	Standard
	Housing Material	Nylon - GF
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Dimensions	Wire/Cable Size (AWG)	22
	Wire/Cable Size (mm ²)	.3 – .4
	Insulation Diameter	1.52 mm [.06 in]
	Length (mm)	45.72
	Height (mm)	6.99
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Usage Conditions	Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]
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Operation/Application	For Use With	MTA .100 Header
	Pick and Place Cover	Without
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Industry Standards	UL Flammability Rating	UL 94V-2
	UL File Number	E28476
	CSA Rating	Certified
	Agency/Standard	CSA, UL
	CSA File Number	LR7189
	UL Rating	Recognized
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Packaging Features	Packaging Method	Box/Carton
	Packaging Quantity	250
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Other	Comment	Stripe may run down between ribs
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Product Compliance

[Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

CUSTOMERS ALSO BOUGHT

<p>HEAT SHRINK MARKER SLEEVES</p>  <p>HT-SCE-1/8-2.0-9 HT-SCE-1/8-2.0-9</p> <p>Save to List Find Similar Products</p>	<p>HEAT SHRINK TUBING</p>  <p>RT-375-1/8-X-SP RT-375-1/8-X-SP</p> <p>Save to List Find Similar Products</p>	<p>HEAT SHRINK TUBING</p>  <p>RT-375-1/4-X-SP RT-375-1/4-X-SP</p> <p>Save to List Find Similar Products</p>	<p>BOARD-TO-BOARD HEADERS & RECEPTACLES</p>  <p>.5FHR04H, 220, S, GIG, 08/Sn, HT, NSYes 3-6318490-6</p> <p>Save to List Find Similar Products</p>
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Products - 26 Results

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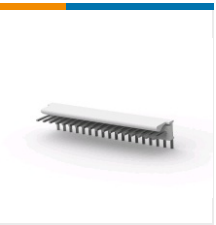
Relation Type ▼

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>18P MTA100 HDR ASSY SQ R/A F/L - 1-640457-8</p> <p>TE INTERNAL NUMBER: 1-640457-8</p> <p>✓ Active</p> <p>Always EU RoHS/ELV Compliant</p> <p>Centerline 2.54 mm</p> <p>Number of Positions 18</p> <p>PCB Mounting Orientation Right</p> <p>Angle</p> <p>PCB Mounting Style Through Hole</p> <p>Number of Rows 1</p>
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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>18P MTA100 HDR ASSY F/L OMIT#3 - 647306-1</p> <p>TE INTERNAL NUMBER: 647306-1</p> <p>✓ Active</p> <p>Always EU RoHS/ELV Compliant</p> <p>Centerline 2.54 mm</p> <p>Number of Positions 18</p> <p>PCB Mounting Orientation</p> <p>Vertical</p> <p>PCB Mounting Style Through Hole</p>
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RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



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

18P MTA100 HDR ASSY
F/L OMIT#7 - 647306-5

TE INTERNAL NUMBER: 647306-5

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

Number of Positions **18**

PCB Mounting Orientation

Vertical

PCB Mounting Style **Through**

Hole

Number of Rows **1**

