



HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)

05P MTA100 CONN ASSY F/T NATL

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

3-640621-5

TE Internal Number: 3-640621-5

Always EU RoHS/ELV Compliant

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

Number of Positions **5**

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, 24 AWG, STANDARD](#)

PDF
English

CAD Files

[Customer View Model](#)

3D_IGS.ZIP
English

[Customer View Model](#)

3D_STP.ZIP
English

[Customer View Model](#)

2D_DXF.ZIP
English

[3D PDF](#)

PDF
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

Product Environmental Compliance

TE Material Declaration

[MD_3-640621-5_04012015326_dmtec](#)

PDF
English

Drawing for all design activity.

Product Type Features

Product Type	Connector
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	Feed Through

Configuration Features

Number of Positions	5
Number of Rows	1
Backwall/Post Interruptions	Without

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 – 5.08 µm [80 – 200 µin]
Underplate Material Thickness	.762 µm, 30 µin
Contact Termination Area Plating Material	Tin
Contact Type	Socket
Contact Current Rating (A)	5
Contact Layout	Inline
Contact Termination Area Plating Material Finish	Matte
Contact Base Material	Copper Alloy

Termination Features

Termination Method to Wire/Cable	IDC
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Mechanical Attachment

PCB Mount Alignment	Without
Mating Retention	With

Mating Retention	With
PCB Mount Retention	Without
Contact Retention	With
Contact Retention Type	Locking Lance
Mating Retention Type	Locking Ramp
Panel Mount Retention	Without
Mating Alignment	Without

Housing Features	Centerline	2.54 mm [.1 in]
	Housing Color	White
	Housing Style	Standard
	Housing Material	Nylon

Dimensions	Height	7.75 mm [.305 in]
	Wire/Cable Size (AWG)	24
	Wire/Cable Size (mm ²)	.2
	Insulation Diameter	1.52 mm [.06 in]
	Length	12.7 mm [.5 in]

Usage Conditions	Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]
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Operation/Application	For Use With	MTA .100 Headers & MTA .100 IDC Posted Connectors
	Pick and Place Cover	Without





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

Packaging Features	Packaging Method	Bag/Box
	Packaging Quantity	500

Product Compliance [Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

CUSTOMERS ALSO BOUGHT

WIRE-TO-BOARD HEADERS & RECEPTACLES	INSERTION & EXTRACTION TOOLS	CIRCULAR POWER CONNECTORS	PCB CONNECTOR COVERS
 <p>02P MTA100 CONN ASSY F/T NATL 3-640621-2</p> <p>Save to List Find Similar Products</p>	 <p>MAINTENANCE TOOL 59803-1</p> <p>Save to List Find Similar Products</p>	 <p>17-9 CPC RECEPT 211767-2</p> <p>Save to List Find Similar Products</p>	 <p>05P MTA100 MOLDED COVER F/T 643077-5</p> <p>Save to List Find Similar Products</p>

Products - 6 Results

[View All](#)

[Compare 0/10](#)

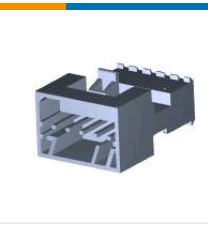
Relation Type ▼

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)


PRODUCT - MATING PRODUCTS		<input checked="" type="checkbox"/>
 <p>Connectors - W-T-B Headers & Receptacles MTA MTA-100</p> <p>05P MTA100 PSTD CONN ASSY SN - 647000-5 TE INTERNAL NUMBER: 647000-5</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Centerline 2.54 mm</p> <p>Number of Positions 5</p> <p>Number of Rows 1</p> <p>Contact Mating Area Plating Material Tin-Lead</p> <p>Contact Mating Area Plating Material Finish Bright</p>	

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS		<input checked="" type="checkbox"/>
 <p>Connectors - W-T-B Headers & Receptacles MTA MTA-100</p> <p>05P MTA100 PSTD CONN ASSY LF - 3-647002-5 TE INTERNAL NUMBER: 3-647002-5</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Centerline 2.54 mm</p> <p>Number of Positions 5</p> <p>Number of Rows 1</p> <p>Contact Mating Area Plating Material Tin</p> <p>Contact Mating Area Plating</p>	

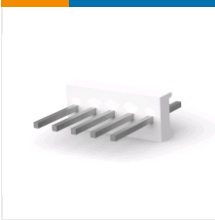
RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



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

05P MTA100 HDR ASSY SQ STR - 640452-5

TE INTERNAL NUMBER: 640452-5

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

Number of Positions **5**

PCB Mounting Orientation

Vertical

PCB Mounting Style **Through**

Hole

Number of Rows **1**

