



HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)

02P MTA100 CONN ASSY 22AWG RED

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

3-640440-2

TE Internal Number: 3-640440-2

Always EU RoHS/ELV Compliant

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

Number of Positions **2**

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

[3D PDF](#)

PDF
3D

[Customer View Model](#)

3D_IGS.ZIP
English

[Customer View Model](#)

2D_DXF.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

Application Specification

[MTA 100 Connector](#)

PDF
English

Product Environmental Compliance

TE Material Declaration

[MD_3-640440-2_05292013636_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	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	Closed End	
Configuration Features	Number of Positions	2
	Number of Rows	1
	Backwall/Post Interruptions	Without
Electrical Characteristics	Operating Voltage (VAC)	250
Body Features	Cable Exit Angle	90°
Contact Features	Contact Mating Area Plating Material	Tin
	Contact Mating Area Plating Material Finish	Matte
	Contact Mating Area Plating Thickness	2.03 µm [80 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
Mechanical Attachment	PCB Mount Alignment	Without
	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
<hr/>		
Housing Features	Centerline	2.54 mm [.1 in]
	Housing Color	Red
	Housing Style	Standard
	Housing Material	Nylon
<hr/>		
Dimensions	Height	6.99 mm [.275 in]
	Wire/Cable Size (AWG)	22
	Wire/Cable Size (mm ²)	.3 – .4
	Insulation Diameter	1.52 mm [.06 in]
	Length	5.08 mm [.2 in]
<hr/>		
Usage Conditions	Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]
<hr/>		
Operation/Application	For Use With	MTA .100 Headers & MTA .100 IDC Posted Connectors
	Pick and Place Cover	Without
<hr/>		
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
<hr/>		
Packaging Features	Packaging Method	Package
	Packaging Quantity	500
<hr/>		
Other	Comment	Stripe may run down between ribs
<hr/>		

Product Compliance

[Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

CUSTOMERS ALSO BOUGHT

<p>CRIMP RINGS & SPADES</p>  <p>TERMINAL, PIDG R SLTD 26-22 6 323011</p> <p>Save to List Find Similar Products</p>	<p>WIRE-TO-BOARD HEADERS & RECEPTACLES</p>  <p>06P MTA100 CONN ASSY 22AWG RED 3-640440-6</p> <p>Save to List Find Similar Products</p>	<p>PCB CONNECTOR COVERS</p>  <p>02P MTA100 COVER 640550-2</p> <p>Save to List Find Similar Products</p>	<p>MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES</p>  <p>8P MOD2 STIFT LEI 826947-8</p> <p>Save to List Find Similar Products</p>
---	---	--	---

Products - 32 Results

[View All](#)

[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>02P MTA100 HDR ASSY POL HT LF - 3-647047-2</p> <p>TE INTERNAL NUMBER: 3-647047-2</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Centerline 2.54 mm</p> <p>Number of Positions 2</p> <p>PCB Mounting Orientation Vertical</p> <p>PCB Mounting Style Through Hole</p> <p>Number of Rows 1</p>
---	---	---

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>02P MTA100 PSTD CONN ASSY SN - 647001-2</p> <p>TE INTERNAL NUMBER: 647001-2</p> <p>✓ Active</p>	<p>Not EU RoHS or ELV Compliant</p> <p>Centerline 2.54 mm</p> <p>Number of Positions 2</p> <p>Number of Rows 1</p> <p>Contact Mating Area Plating Material Tin-Lead</p>
---	--	---

Material **111PLead**

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 R/A HDR RETENTIVE - 3-644694-2

TE INTERNAL NUMBER: 3-644694-2

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

Number of Positions **2**

PCB Mounting Orientation **Right**

Angle

Number of Rows **1**

Contact Mating Area Plating

Material **Tin**