

HEADERS & RECEPTACLES



✓ Active



TE CONNECTIVITY (TE) 04P MTA100 SHRD HDR,W/O PEG SN MTA | MTA-100

2-644861-4 TE Internal Number: 2-644861-4

Always EU RoHS/ELV Compliant

Centerline 2.54 mm [.1 in] Number of Positions 4 PCB Mounting Orientation Vertical Number of Rows 1

Contact Mating Area Plating Material **Tin**

Product Drawings	MTA-100 SHROUDED HEADER ASSEMBLY, FRICTION LOCK,STRAIGHT POST, TIN OR TIN LEAD PLATED PDF English			
CAD Files	Customer View Model 3D_IGS.ZIP English			
	Customer View Model 3D_STP.ZIP English			
	3D PDF PDF 3D			
	Customer View Model 2D_DXF.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			
Product Environmental Complian	ce			
TE Material Declaration	MD_2-644861-4_060320141358_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.

¥ ⊡ f v

Product Type Features PCB Mounting Orientation Vertical Product Type Connector Type Meader Connector Type Virine-to-Board Strain Relef Wire-to-Board Strain Relef No Sealed No Connector Style Plug Plug Plug Applies To Printed Circuit Board Number of Positions 4 Reder Type Number of Ross 1 Sealed No Electrical Characteristics Operating Voltage (VAC) 250 Sealed No Contact Features Contact Mating Area Plating Material Tin Sealed	
Connector Type Header Connector System Wireto-Board Strain Relief Without Scaled No Connector Style Plag Configuration Features Number of Positions 1 Number of Rows 1 1 Backwall/Post Interruptions Without 1 Body Features Operating Voltage (VAC) 250 Contact Features Contact Mating Area Plating Material Nickel Contact Termination Area Plating Thickness 381 - 6.35 µm [150] Underplate Material Nickel 1 Contact Shape Contact Shape Straight Contact Shape Straight 1 Contact Shape Straight 1 Contact Shape Straight 1 Contact Termination Area Plating Material Ta Tail Plating Material Ta 1 Tail Plating Material Ta 1 Contact Termination Area Plating Material Ta 1 Tail Plating Thickness Sall - 6.35 µm [150] 1 Contact Tarsmits (Typical) Foreact Power	
Connector System Wire-to-Board Strain Relief Without Sealed No Connector Style Plug Applies To Plug Applies To 1 Configuration Features Number of Positions 4 Number of Rows 1 Backowal/Post Interruptions Without Electrical Characteristics Operating Voltage (VAC) 250 Body Features Advances Plating Material Tin Contact Features Contact Mating Area Plating Thickness 381 – 6.3 µm [150] Underplate Material Nickel Straight Contact Style Straight Contact Termination Area Plating Material Tin Tail Plating Material Tin Tail Plating Material Straight Contact Transmits (Typical) Pin Contact Current Rating (A) 5 Contact Current Rating (A) 5 Contact Current Rating (A) 5 Contact Layout Inline	
Strain Relief Without Sealed No Connector Style Plug Applies To Printed Circuit Boo Configuration Features Number of Positions 1 Control Features Number of Positions 1 Backwall/Post Interruptions 1 1 Body Features Operating Voltage (VAC) 250 Body Features Contact Mating Area Plating Material In Contact Mating Area Plating Material Nickel 1 Contact Style Contact Mating Area Plating Thickness 381 - 6.33 µm [150] Underplate Material Nickel 1 Contact Style Straight 250 Contact Style Straight 1 Contact Style Straight 1 Contact Style Straight 1 Contact Termination Area Plating Material Tin 1 Tail Plating Material Tin 1 1 Contact Type Pin 2 2 2 Contact Transmits (Typical) Straight 2 2 2 2 2 2 <td< td=""><td></td></td<>	
Sealed No Connector Style Plog Applies To Pinted Circuit Boo Configuration Features Number of Positions 1 Number of Rows 1 Backwall/Post Interruptions Without Electrical Characteristics Operating Voltage (VAC) 250 Body Features Header Type Shrouded Contact Mating Area Plating Material Tin Contact Mating Area Plating Thickness 3.81 - 6.39 µm [150] Underplate Material Nickel Contact Style Contact Style Straight Contact Type Pin Straight Contact Type Pin Straight Contact Type Pinewer Straight Contact Type Pinewer Straight Contact Type Pinewer Straight Contact Type Straight Straight	
Connector Style Plug Applies To Printed Circuit Boo Configuration Features Number of Positions 4 Number of Roivs 1 Backwall/Post Interruptions Without Electrical Characteristics Operating Voltage (VAC) 250 Body Features Header Type Shouded Contact Mating Area Plating Material In Contact Mating Area Plating Thickness 3.81 - 6.39 µr [150] Underplate Material Thickness 3.81 - 6.35 µr [150] Underplate Material Thickness 5.7 Tail Plating Material Tin Tail Plating Material Tin Tail Plating Thickness 3.81 - 6.35 µr [150] Contact Type Pin Contact Type Pine Contact Type Pine Contact Type Pine <	
Applies To Printed Circuit Box Configuration Features Number of Positions 4 Number of Rows 1 Backwall/Post Interruptions Without Electrical Characteristics Operating Voltage (VAC) 250 Body Features Contact Mating Area Plating Material Tin Contact Features Contact Mating Area Plating Thickness 3.81 - 6.35 µm [150] Underplate Material Nickel Nickel Contact Termination Area Plating Thickness 3.81 - 6.35 µm [150] Underplate Material Nickel Contact Style Straight Contact Style Straight Contact Termination Area Plating Thickness 3.81 - 6.35 µm [150] Contact Termination Area Plating Thickness 1.27 µm, 50 µm Contact Style Straight Contact Termination Area Plating Material Tin Tail Plating Material Tin Tail Plating Thickness 3.81 - 6.35 µm [150] Contact Transmits (Typical) Power Contact Transmits (Typical) Straight Contact Layout Inline Finish Contact Termination Area Plating Material	
Configuration Features Number of Positions 4 Number of Rows 1 Backwall/Post Interruptions Without Electrical Characteristics Operating Voltage (VAC) 250 Body Features Header Type Shrouded Tin Contact Mating Area Plating Material Tin Contact Mating Area Plating Thickness 3.81 – 6.3 µm [150] Underplate Material Onickel Contact Termination Area Plating Thickness 1.27 µm, 50 µm Contact Style Straight Contact Style Straight Contact Style Straight Contact Termination Area Plating Material Tin Contact Type Pin Contact Type Pin Contact Tures (Typical) Straight Contact Current Rating (A) 5 Contact Layout Inline	
Number of Rows 1 Backwall/Post Interruptions Without Electrical Characteristics Operating Voltage (VAC) 250 Body Features Header Type Shrouded Contact Features Contact Mating Area Plating Material Tin Contact Features Contact Mating Area Plating Thickness 3.81 - 6.35 µm [150] Underplate Material Nickel Contact Style Straight Contact Style Contact Style Straight Contact Style Contact Style Square Tail Plating Material Tin Tail Plating Thickness 3.81 - 6.35 µm [150] Contact Termination Area Plating Material Tin Tail Plating Material Tin Tail Plating Thickness 3.81 - 6.35 µm [150] Contact Transmits (Typical) Power Contact Transmits (Typical) Power Contact Layout Inline Contact Termination Area Plating Material Matter	rd
Backwall/Post Interruptions Without Electrical Characteristics Operating Voltage (VAC) 250 Body Features Header Type Shrouded Contact Features Contact Mating Area Plating Material Tin Contact Mating Area Plating Thickness 3.81 - 6.3 µm [150] Underplate Material Nickel Contact Termination Area Plating Thickness 3.81 - 6.35 µm [150] Underplate Material Nickel Contact Style Contact Style Straight Contact Termination Area Plating Material Tin Contact Style Square Tail Plating Thickness 3.81 - 6.35 µm [150] Contact Termination Area Plating Material Tin Tail Plating Thickness Square Tail Plating Thickness 3.81 - 6.35 µm [150] Contact Termination Area Plating Material Tin Tail Plating Thickness 3.81 - 6.35 µm [150] Contact Type Pin Contact Turensmits (Typical) Power Contact Layout Inline Finish Contact Termination Area Plating Material	
Electrical Characteristics Operating Voltage (VAC) 250 Body Features Header Type Shrouded Contact Features Contact Mating Area Plating Material Tin Contact Mating Area Plating Thickness 3.81 - 6.3 µm [150 - Underplate Material Nickel Contact Termination Area Plating Thickness 3.81 - 6.35 µm [150 - Underplate Material Nickel Contact Style Straight Contact Style Straight Contact Termination Area Plating Material Tin Contact Type Pin Contact Transmits (Typical) Power Contact Layout Inline Finish Contact Termination Area Plating Material	
Body Features Header Type Shrouded Contact Features Contact Mating Area Plating Material Tin Contact Mating Area Plating Thickness 3.81 – 6.3 µm [150] Underplate Material Nickel Contact Termination Area Plating Thickness 3.81 – 6.35 µm [150] Underplate Material Thickness 3.81 – 6.35 µm [150] Underplate Material Thickness 3.81 – 6.35 µm [150] Contact Style Straight Contact Shape Square Tail Plating Material Tin Tail Plating Thickness 3.81 – 6.35 µm [150] Contact Termination Area Plating Material Tin Tail Plating Thickness Sati – 6.35 µm [150] Contact Transmits (Typical) Pin Contact Transmits (Typical) Power Contact Layout Inline Finish Contact Termination Area Plating Material	
Contact Features Contact Mating Area Plating Material Contact Mating Area Plating Thickness 3.81 – 6.3 µm [150] Underplate Material Contact Termination Area Plating Thickness 1.27 µm, 50 µin Contact Style Contact Style Contact Shape Tail Plating Material Tin Contact Termination Area Plating Material Tin Tail Plating Thickness 3.81 – 6.35 µm [150] Contact Termination Area Plating Material Tin Contact Termination Area Plating Material Finish Contact Transmits (Typical) Contact Current Rating (A) S Contact Layout Inline Contact Termination Area Plating Material Matte	
Contact Mating Area Plating Thickness 3.81 – 6.3 µm [150 - Underplate Material Nickel Contact Termination Area Plating Thickness 3.81 – 6.35 µm [150 Underplate Material Thickness 1.27 µm, 50 µin Contact Style Straight Contact Style Straight Contact Shape Square Tail Plating Material Tin Contact Termination Area Plating Material 1in Tail Plating Thickness 3.81 – 6.35 µm [150 Contact Type Pin Contact Type Pin Contact Transmits (Typical) Power Contact Current Rating (A) 5 Contact Layout Inline	
Underplate MaterialNickelContact Termination Area Plating Thickness3.81 - 6.35 µm [150]Underplate Material Thickness1.27 µm, 50 µinContact StyleSquareContact ShapeSquareTail Plating MaterialTinContact Termination Area Plating MaterialTinTail Plating Thickness3.81 - 6.35 µm [150]Contact TypePinContact TypeanPinContact Turnensmits (Typical)SContact LayoutInlineContact LayoutInline	
Contact Termination Area Plating Thickness3.81 - 6.35 µm [150]Underplate Material Thickness1.27 µm, 50 µinContact StyleStraightContact ShapeSquareTail Plating MaterialTinContact Termination Area Plating MaterialTinTail Plating Thickness3.81 - 6.35 µm [150]Contact TypePinContact Transmits (Typical)PowerContact Current Rating (A)5Contact LayoutInlineContact Termination Area Plating MaterialMatterial	- 250 µin]
Underplate Material Thickness1.27 μm, 50 μmContact StyleStraightContact ShapeSquareTail Plating MaterialTinContact Termination Area Plating MaterialSal1 – 6.35 μm [150]Tail Plating ThicknessSal1 – 6.35 μm [150]Contact TypePowerContact Current Rating (A)SContact LayoutInineContact Tarmination Area Plating MaterialMatterial	
Contact StyleStraightContact ShapeSquareTail Plating MaterialTinContact Termination Area Plating MaterialTinTail Plating Thickness381 - 6.35 µm [150]Contact TypePinContact Transmits (Typical)PoverContact Current Rating (A)5Contact LayoutInlineContact Termination Area Plating MaterialMatter	– 250 µin]
Contact ShapeSquareTail Plating MaterialTinContact Termination Area Plating MaterialSal1-6.35 µm[150]Tail Plating ThicknessSal1-6.35 µm[150]Contact TypePinContact Transmits (Typical)PowerContact Current Rating (A)SContact LayoutInlineCintact Termination Area Plating MaterialMatter	
Tail Plating MaterialTinContact Termination Area Plating MaterialTinTail Plating Thickness3.81 - 6.35 µm [150]Contact TypePinContact Transmits (Typical)PowerContact Current Rating (A)5Contact LayoutInlineContact Termination Area Plating MaterialMatte	
Contact Termination Area Plating MaterialTinTail Plating Thickness3.81 - 6.35 µm [150]Contact TypePinContact Transmits (Typical)PowerContact Current Rating (A)5Contact LayoutInlineContact Termination Area Plating MaterialMatte	
Tail Plating Thickness3.81 - 6.35 µm [150]Contact TypePinContact Transmits (Typical)PowerContact Current Rating (A)5Contact LayoutInlineContact Termination Area Plating Material FinishMatte	
Contact TypePinContact Transmits (Typical)PowerContact Current Rating (A)5Contact LayoutInlineContact Termination Area Plating Material FinishMatte	
Contact Transmits (Typical)PowerContact Current Rating (A)5Contact LayoutInlineContact Termination Area Plating MaterialMatterial	– 250 μin]
Contact Current Rating (A)5Contact LayoutInlineContact Termination Area Plating Material FinishMatterial	
Contact LayoutInlineContact Termination Area Plating MaterialMatteFinishMatte	
Contact Termination Area Plating Material Matte Finish	
Finish	
Contact Base Material Copper Alloy	

Mechanical Attachment	PCB Mount Alignment	Without
	Mating Retention	With
	PCB Mount Retention	Without
	Contact Retention	Without
	Mating Alignment Type	Polarizing Tab
	Mating Retention Type	Friction Lock
	Panel Mount Retention	Without
	Mating Alignment	With
Housing Features	Centerline	2.54 mm [.1 in]
	Housing Color	Black
	Housing Style	Friction Lock
	Housing Material	Polyester - GF
Dimensions	Tail Length	3.56 mm [.14 in]
	Mating Post Length	5.1 mm [.2 in]
	PCB Thickness (Recommended)	1.6 mm [.063 in]
	Height	10.41 mm [.41 in]
	Length	12.29 mm [.484 in]
Usage Conditions	Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]
Operation/Application	For Use With	MTA .100 Connector Assembly
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	Loose Piece
	Packaging Quantity	500

Statement of Compliance

VIEW ALL PRODUCT COMPLIANCE

PDF

Products - 61 Results		View All	Compare 0/10	
Relation Type	•			
RELATIONSHIP Mating Products Used to identify Mating Parts			See All Mating Pro	ducts
	PRODUCT - MATING PRODUCTS Connectors - W-T-B Headers & Receptacles MTA I MTA-100 O4P MTA100 CONN ASSY LF - 3-643828-4 TE INTERNAL NUMBER: 3-643828-4 ✓ Active	Always EU RoHS/ELV Compli Centerline 2.54 mm Number of Positions 4 Number of Rows 1 Contact Mating Area Plating Material Tin Contact Mating Area Plating Material Finish Matte	ant	~

RELATIONSHIP **Mating Products** Used to identify Mating Parts

Used to identify Mating Parts			See All Mating Products
	PRODUCT - MATING PRODUCTS		~
	Connectors - W-T-B Headers & Receptacles MTA MTA-100	Not EU RoHS or ELV Compli	ant
	04P MTA100 CONN	Centerline 2.54 mm	
LEEE /	ASSY BLK SPCL	Number of Positions 4	
	- 644312-4 TE INTERNAL NUMBER: 644312-4	Number of Rows 1	
	✓ Active	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 I MTA-100 04P MTA100 CONN ASSY F/T W/LCK

Always EU RoHS/ELV Compliant

Centerline **2.54 mm** Number of Positions **4**





- 3-644540-4 TE INTERNAL NUMBER: 3-644540-4

✓ Active

Number of Rows **1**

Contact Mating Area Plating Material **Tin**

Contact Mating Area Plating Material Finish **Matte**