



HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)

07P MTA100 SHRDED HDR ASSY SN

MTA | MTA-100

2-644486-7

TE Internal Number: 2-644486-7

Always EU RoHS/ELV Compliant

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

Number of Positions **7**

PCB Mounting Orientation **Vertical**

PCB Mounting Style **Through Hole**

Number of Rows **1**

Active

PRODUCT DRAWING
English

3D PDF

Product Drawings

[MTA-100 SHROUDED HEADER ASSEMBLY, FRICTION LOCK, STRAIGHT POST, TIN OR TIN LEAD PLATED](#)

PDF
English

CAD Files

[Customer View Model](#)

3D_STP.ZIP
English

[3D PDF](#)

PDF
3D

[Customer View Model](#)

2D_DXF.ZIP
English

[Customer View Model](#)

3D_IGS.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 Compliance

TE Material Declaration

[MD_2-644486-7_05172013105_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	PCB Mounting Orientation	Vertical
	Product Type	Connector
	Connector Type	Header
	Connector System	Wire-to-Board
	Strain Relief	Without
	Sealed	No
	Connector Style	Plug
	Applies To	Printed Circuit Board

Configuration Features	Number of Positions	7
	Number of Rows	1
	Backwall/Post Interruptions	Without

Electrical Characteristics	Operating Voltage (VAC)	250
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Body Features	Header Type	Shrouded
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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	Straight
	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 Current Rating (A)	5
	Contact Layout	Inline
	Contact Termination Area Plating Material Finish	Matte
	Contact Base Material	Copper Alloy

Termination Features	Termination Method to PC Board	Through Hole - Solder
	Termination Method to Wire/Cable	Solder

Mechanical Attachment	PCB Mounting Style	Through Hole
	PCB Mount Alignment	With
	PCB Mount Alignment Type	Pegs
	Mating Retention	With
	PCB Mount Retention	With
	PCB Mount Retention Type	Tabs
	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	19.91 mm [.784 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	Package
	Packaging Quantity	1000

Products - 52 Results

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Relation Type ▼

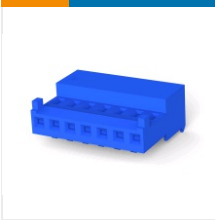
RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



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

**07P MTA100 CONN
ASSY POL RIB**
- 3-643815-7
TE INTERNAL NUMBER: 3-643815-7

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

Number of Positions **7**

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

**07P MTA100 CONN
ASSY BLK LF - 3-644575-7**
TE INTERNAL NUMBER: 3-644575-7

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

Number of Positions **7**

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

Not EU RoHS or ELV Compliant





Connectors - w/ I-B headers & receptacles

MTA | MTA-100

07P MTA100 CONN ASSY BLU - 640442-7

TE INTERNAL NUMBER: 640442-7

✓ Active

ROHS COMPLIANT

Centerline **2.54 mm**

Number of Positions **7**

Number of Rows **1**

Contact Mating Area Plating

Material **Tin-Lead**

Contact Mating Area Plating

Material Finish **Bright**