



HEADERS & RECEPTACLES



✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**



TE CONNECTIVITY (TE)

03P MTA100 HDR HT FL 30AU LF

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

3-647116-3

TE Internal Number: 3-647116-3

[Always EU RoHS/ELV Compliant](#)

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

Number of Positions **3**

PCB Mounting Orientation **Vertical**

PCB Mounting Style **Through Hole**

Number of Rows **1**

Product Drawings

[MTA-100 HEADER ASSY,HIGH TEMPERATURE FRICTION LOCK,.025 SQUARE,](#)
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

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	3
	Number of Rows	1
	Backwall/Post Interruptions	Without
Electrical Characteristics	Operating Voltage (VAC)	250
Body Features	Header Type	Unshrouded
Contact Features	Contact Mating Area Plating Material	Gold
	Contact Mating Area Plating Thickness	.76 µm [30 µin]
	Underplate Material	Nickel
	Contact Termination Area Plating Thickness	3.81 – 8.89 µm [150 – 350 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 – 248.03 µin]
	Contact Type	Pin
	Contact Transmits (Typical)	Power
	Contact Current Rating (A)	5
	Contact Layout	Inline
	Tail Plating Material Finish	Matte
	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	Without
	Mating Retention	With
	PCB Mount Retention	Without

	Contact Retention	Without
	Mating Retention Type	Friction Lock
	Panel Mount Retention	Without
	Mating Alignment	Without
Housing Features	Centerline	2.54 mm [.1 in]
	Housing Color	Black
	Housing Style	Friction Lock
	Housing Material	Nylon 4/6
Dimensions	Tail Length	3.43 mm [.135 in]
	Mating Post Length	7.37 mm [.29 in]
	PCB Thickness (Recommended)	1.57 mm [.062 in]
	Height	8.81 mm [.34 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	Bag/Box
	Packaging Quantity	500
Product Compliance	Statement of Compliance PDF VIEW ALL PRODUCT COMPLIANCE	



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

**03P MTA100 CONN
ASSY RED LF**
- 3-641241-3

TE INTERNAL NUMBER: 3-641241-3

✓ Active

[Always EU RoHS/ELV Compliant](#)

Centerline **2.54 mm**

Number of Positions **3**

Number of Rows **1**

Contact Mating Area Plating

Material **Gold**

Contact Mating Area Plating

Thickness **.76 µm**



RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

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

**03P MTA100 CONN
ASSY W/TB LF**
- 3-644726-3

TE INTERNAL NUMBER: 3-644726-3

✓ Active

[Always EU RoHS/ELV Compliant](#)

Centerline **2.54 mm**

Number of Positions **3**

Number of Rows **1**

Contact Mating Area Plating

Material **Gold**

Contact Mating Area Plating

Thickness **.76 µm**



RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

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

**03P MTA100 CONN
ASSY GRN LF**
- 3-641240-3

TE INTERNAL NUMBER: 3-641240-3

✓ Active

[Always EU RoHS/ELV Compliant](#)

Centerline **2.54 mm**

Number of Positions **3**

Number of Rows **1**

Contact Mating Area Plating

Material **Gold**

Contact Mating Area Plating

Thickness **.76 µm**

