

3-647502-3 ✓ ACTIVE



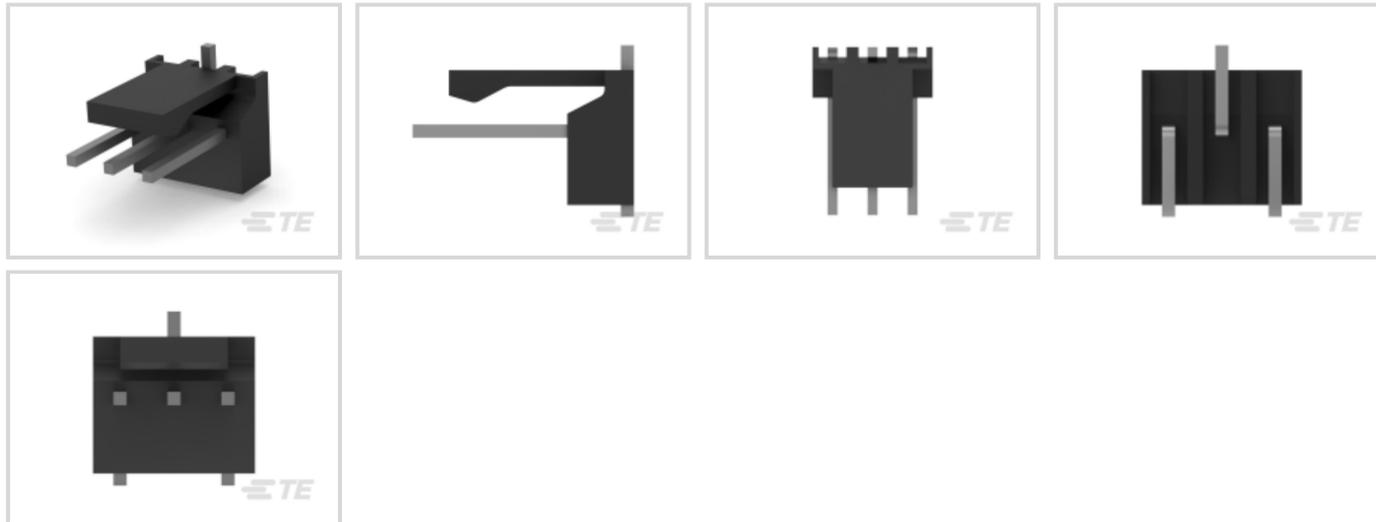
## MTA 100

TE Internal #: 3-647502-3

PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 2.54 mm [.1 in] Centerline, Partially Shrouded, Tin (Sn), Surface Mount, Signal, Black, MTA 100

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles > PCB Header: Nylon, Vertical, Surface Mount, MTA 100



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

Connector System: **Wire-to-Board**

Number of Positions: **3**

Centerline (Pitch): **2.54 mm [.1 in]**

[All PCB Header: Nylon, Vertical, Surface Mount, MTA 100 \(39\)](#)

## Features

### Product Type Features

PCB Connector Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Partially Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

### Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	3
Number of Rows	1

### Electrical Characteristics

Operating Voltage	250 VAC
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### Body Features

Primary Product Color	Black
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### Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	7.37 mm[.29 in]
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	3.81 – 6.35 $\mu$ m[150 – 250 $\mu$ in]
Contact Type	Pin
Contact Current Rating (Max)	5 A

### Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Surface Mount

### Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Friction Lock
Mating Alignment Type	Polarization
PCB Mount Alignment	Without
Mating Retention	With
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

### Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
Housing Material	Nylon 4/6

### Dimensions

PCB Thickness (Recommended)	1.6 mm[.063 in]
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Connector Height	8.81 mm[.34 in]
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### Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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### Operation/Application

Circuit Application	Signal
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### Industry Standards

Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

### Packaging Features

Packaging Quantity	225
Packaging Method	Reel

### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

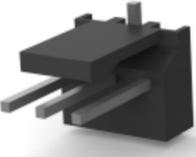
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°C

#### Product Compliance Disclaimer

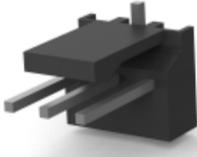
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides

on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

## Compatible Parts



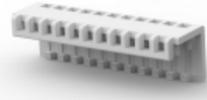
TE Part # 3-647166-3  
3P MTA100 HDR ASSY,SM,FL,LF



TE Part # 2331450-3  
03P MTA100 HDR ASSY,SM,FL,SN, T&R,W/CAP



TE Part # CAT-104MTA-PLSCC  
Polyester PCB Connector Covers: 2.54 mm, MTA 100



TE Part # CAT-104MTA-NYLCC  
Nylon PCB Connector Covers: 2.54 mm, MTA 100

## Also in the Series | MTA 100



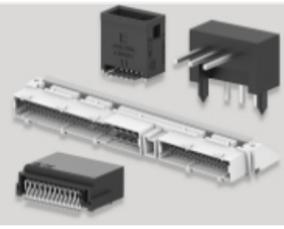
Connector Caps & Covers(69)



Connector Contacts(8)



Connector Hardware(1)



PCB Headers & Receptacles(441)



Rectangular Connector Housings(1)



Rectangular Power Connectors(1)



Standard Rectangular Connectors(496)

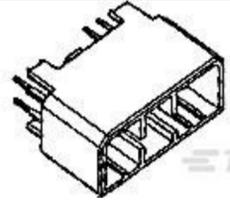


Wire-to-Board Connector Assemblies & Housings(457)

## Customers Also Bought



TE Part #7-147729-0  
21 MODIV VRT SR SFMNT SN



TE Part #1-174955-1  
070 MLC CAP ASSY V 8P



TE Part #1-487117-0  
RCPT CONTACT,HIGH PRESS,FFC



TE Part #487223-5  
020 HOUSING FFC RCPT 100CL DR



TE Part #1571219-2  
SWITCH, TACT, 12X12, SEALD, W/POST



TE Part #2170704-5  
CAGE ASSY, QSFP28 1X1, SPRING, HS



TE Part #2176467-1  
TLRP 1206 1.0W R008 1% 50PPM 5K RL



TE Part #2267130-3  
SUBMIN PUSHBUTTON, PBS9MTRES



TE Part #2329362-4  
PB OFF/ON RC GRE M1 TERM IP68  
500MM LHS



TE Part #2350434-3  
3P RAST2.5 TAB HEADER WO PEG

## Documents

### Product Drawings

[03P MTA100 HDR ASSY, SM, SN, LF](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_3-647502-3\\_E\\_c-3-647502-3-e.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-647502-3\\_E\\_c-3-647502-3-e.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-647502-3\\_E\\_c-3-647502-3-e.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Product Specifications

[Product Specification](#)

English

### Agency Approvals

[Agency Approval Document](#)

English