



MTA 100

TE Internal #: 2-644487-3
PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 2.54 mm [.1 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder, Signal, Black, MTA 100

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles > Polyester Vertical PCB Header: 2.54mm, Shrouded, MTA 100



PCB Connector Assembly Type: **PCB Mount Header**

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

Number of Positions: **3**

Number of Rows: **1**

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

[All Polyester Vertical PCB Header: 2.54mm, Shrouded, MTA 100 \(37\)](#)

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

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Primary Product Color	Black
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Contact Features

Contact Mating Area Length	5.1 mm[.2 in]
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	.76 µm[30 µin]
Contact Layout	Inline
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
Contact Mating Area Plating Material Finish	Bright
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Gold
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold
Contact Type	Pin
Contact Current Rating (Max)	5 A

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	3.56 mm[.14 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features



Housing Material	Polyester - GF
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Connector Length	12.29 mm[.484 in]
Connector Height	10.41 mm[.41 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

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	2000
Packaging Method	Loose Piece

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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 240°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 # CAT-104MTA-NYLCC
Nylon PCB Connector Covers: 2.54 mm, MTA 100



TE Part # CAT-104MTA-NGPMR
Nylon Gold Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100

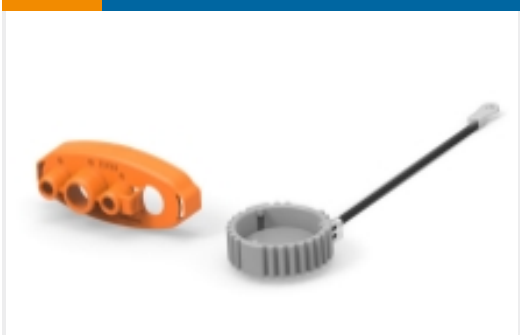


TE Part # CAT-104MTA-NGPNR
Nylon Gold Plated Receptacle: 2.54 mm, no Mating Alignment



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

Also in the Series | MTA 100



Connector Caps & Covers(69)



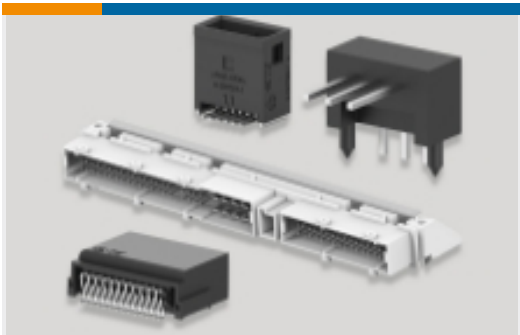
Connector Contacts(8)



Connector Hardware(1)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(441)



Standard Rectangular Connectors(495)



Wire-to-Board Connector Assemblies & Housings(1)

Customers Also Bought



TE Part #1-5747871-6
09 PLUG SP/FMS SCRLK

TE Part #2-644487-2
02P MTA100 SHRD HDR ASSY 30AU

TE Part #1586037-2
2P VERT HDR VAL-U-LOK V2

TE Part #640383-8
08P MTA156 HDR ASSY STR SQ SN

TE Part #7-1879214-4
CPF 0402 2K15 0.1% 25PPM 1K RL

TE Part #6-2301994-1
RJ45 JACK INT.MAG. 1GB LED 1X1 INV (LOW)

TE Part #354057-E
SMCB 32 F AB VV 7-13 CL * H007 137 E002

TE Part #1-2319847-0
END STACK DIP 10P G RAISED TUBE

Documents

Product Drawings

03P MTA100 SHRD HDR ASSY 30AU

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-644487-3_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-644487-3_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-644487-3_H.3d_stp.zip

English

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

Product Specifications

Application Specification

English

Agency Approvals

UL

English