



MTA | MTA 100

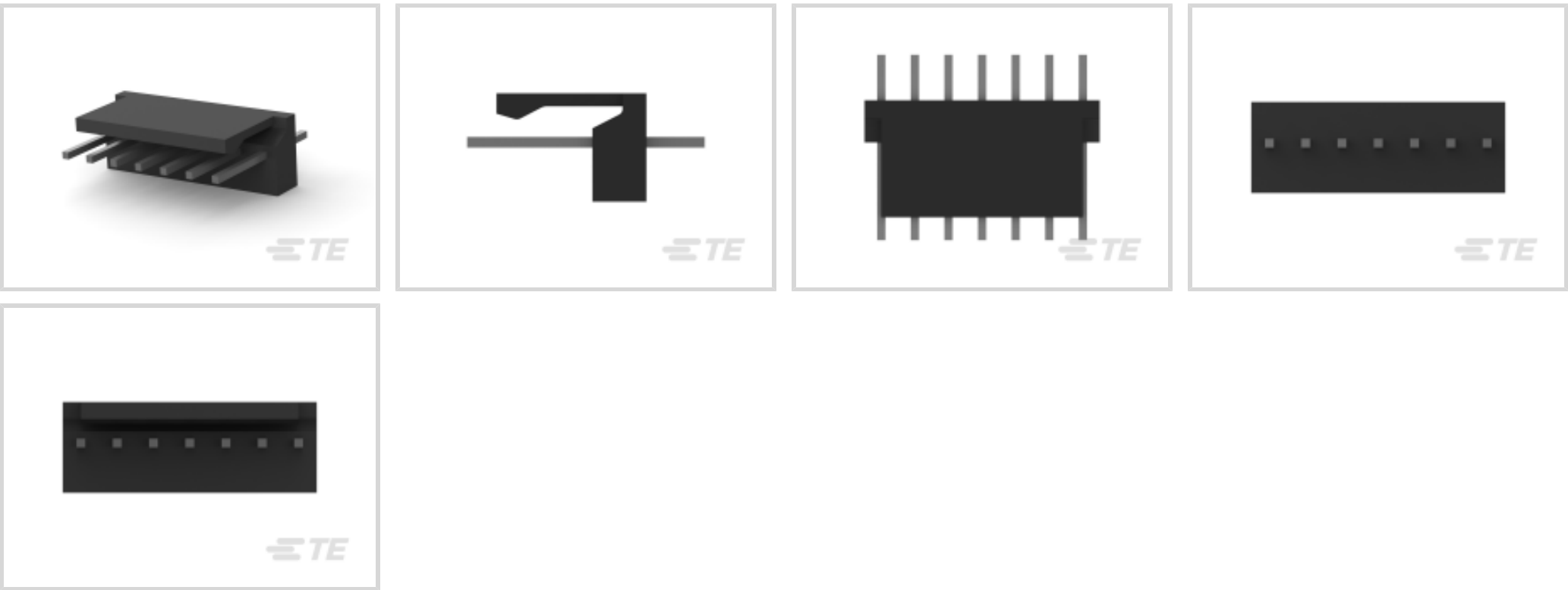
TE Internal #: 3-647050-7

MTA 100, PCB Mount Header, Vertical, Wire-to-Board, 7 Position, 2.54mm [.1in] Centerline, 1 Row, Tin, Black Housing Color, Partially Shrouded

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles >

Nylong Vertical PCB Header: 2.54mm, Through Hole, MTA 100



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **7**

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

[All Nylong Vertical PCB Header: 2.54mm, Through Hole, MTA 100 \(89\)](#)

Features

Product Type Features

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

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	7
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Contact Layout	Inline
Contact Mating Area Length	7.37 mm[.29 in]
Mating Square Post Dimension	.64 mm[.025 in]
Contact Retention Within Housing	Without
PCB Contact Termination Area Plating Material Thickness	3.81 – 6.3 µm[150 – 250 µin]
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	3.81 – 6.3 µm[150 – 250 µin]
Contact Type	Pin
Contact Current Rating (Max)	5 A

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	3.43 mm[.135 in]
Termination Method to Wire & Cable	Solder
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Height	8.81 mm[.34 in]
PCB Thickness (Recommended)	1.57 mm[.062 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

CSA Rating	Certified
UL Flammability Rating	UL 94V-0
Agency/Standard	CSA, UL
CSA File Number	LR7189
UL Rating	Recognized
UL File Number	E28476

Packaging Features

Packaging Quantity	500
Packaging Method	Bag/Box

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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Pin-in-Paste 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 # CAT-104MTA-NTPMR
Nylon Tin Plated Receptacle: 2.54mm,
With Mating Alignment, MTA 100

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

TE Part # CAT-104MTA-NTPNR
Nylon Tin Plated Receptacle: 2.54mm,
No Mating Alignment, MTA 100

TE Part # CAT-104CST-RCPHS
Receptacle Housing: 2.54mm, 1 Row,
CST-100 II

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

Also in the Series | MTA 100

Insertion & Extraction Tools(2)

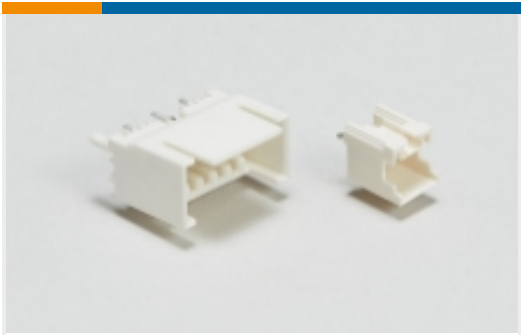
PCB Connector Covers(107)

PCB Connector Keying(1)

Standard Rectangular Connectors
(1730)



Wire-to-Board Connector Contacts(18)

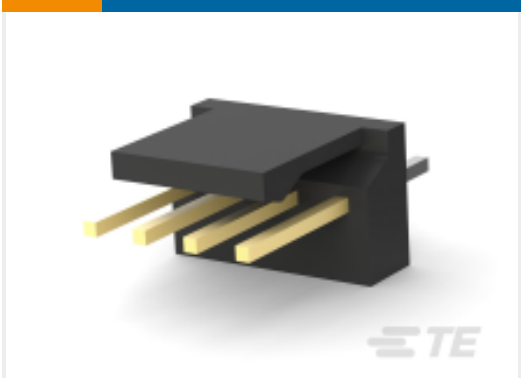


Wire-to-Board Headers & Receptacles (1182)

Customers Also Bought



TE Part #163092-2
TYPE III CONTACTS LP EMEA



TE Part #3-647050-4
Nylong Vertical PCB Header: 2.54mm, Through Hole, MTA 100



TE Part #2-323915-2
PIDG RING TONGUE TERMINALS



TE Part #2-1617030-7
HFW1201G01M = M39016/6-116M



TE Part #2687052007
Dual Wall AP-2000 Piece HS Tubing



TE Part #151679
2 WAY M-N-L PIN HSG.NAT.



TE Part #8-1879021-1
SMW3 220R 5%

Documents

Product Drawings

07P MTA100 HDR ASSY F/L HITEMP

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-647050-7_J_c-3-647050-7-j.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-647050-7_J_c-3-647050-7-j.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-647050-7_J_c-3-647050-7-j.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.



Datasheets & Catalog Pages
MTA, CST-100 II, SL-156 and AMP Economy Power (EP) Connectors
English

Product Specifications
Product Specification
English

Agency Approvals
Agency Approval Document
English