

3-647051-3 ✓ ACTIVE

MTA 100

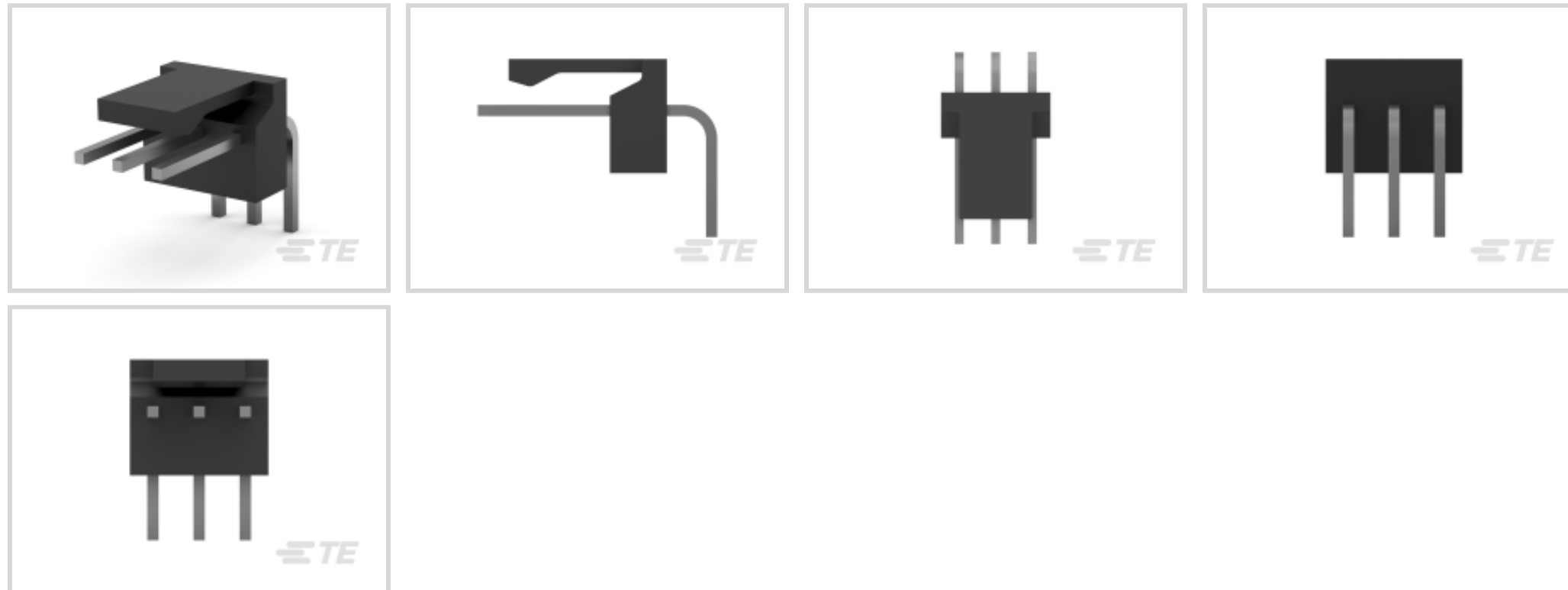
TE Internal #: 3-647051-3

PCB Mount Header, Right Angle, Wire-to-Board, 3 Position, 2.54 mm [.1 in] Centerline, Partially Shrouded, Tin (Sn), Through Hole - Solder, MTA 100

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles > PCB Header: Nylon, Right Angle, 2.54 mm



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **3**

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

[All PCB Header: Nylon, Right Angle, 2.54 mm \(12\)](#)

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	Right Angle
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

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 μm [50 μin]
PCB Contact Termination Area Plating Material Finish	Matte
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	3.81 – 6.3 μm [150 – 250 μin]
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 – 6.3 μm [150 – 250 μin]
Contact Type	Pin
Contact Current Rating (Max)	5 A

Termination Features

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

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

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Right Angle Bending Side	Front
Centerline (Pitch)	2.54 mm [.1 in]
Housing Material	Nylon 4/6

Dimensions

PCB Thickness (Recommended)	1.57 mm [.062 in]
Connector Height	8.81 mm [.347 in]
Connector Length	10.16 mm [.4 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	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	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	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 # 1375820-3
CST-100 II HOUSING 3 POS



TE Part # CAT-104MTA-NTPNR
MTA Receptacle: Nylon, Tin Plated, 2.54 mm



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




TE Part # CAT-104MTA-NTPMR
Nylon Tin Plated Receptacle: 2.54 mm, with Mating Alignment, 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)



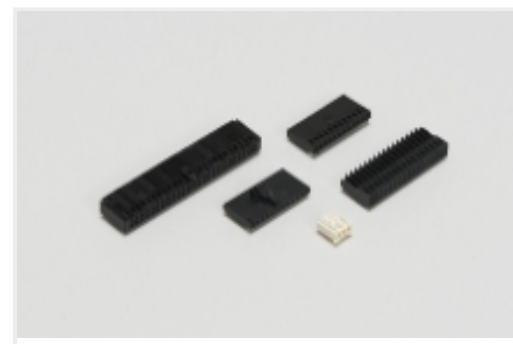
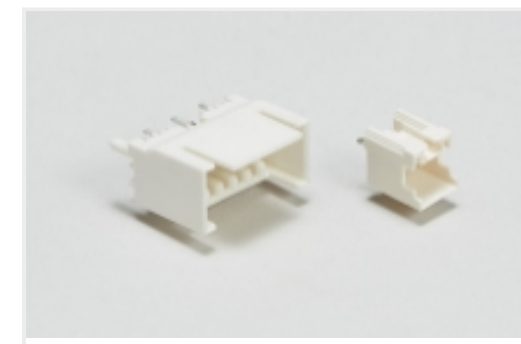
Insertion & Extraction Tools(2)



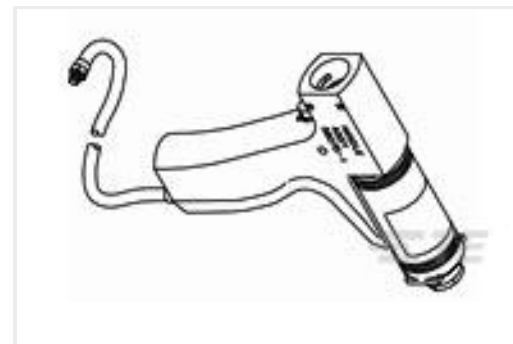
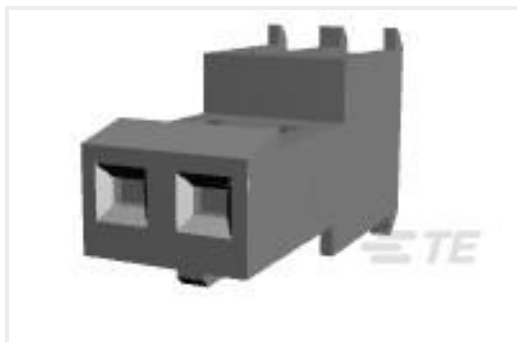
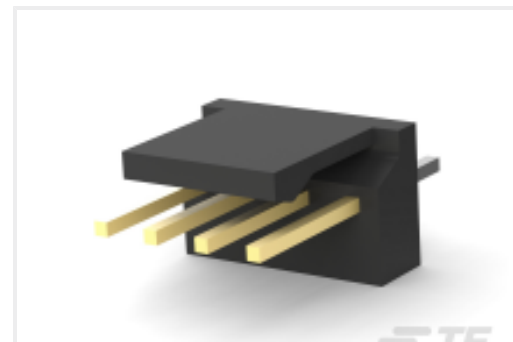
PCB Headers & Receptacles(441)



Rectangular Power Connectors(1)

Wire-to-Board Connector Assemblies
& Housings(457)Wire-to-Board Headers & Receptacles
(441)

Customers Also Bought

TE Part #394337-E
M12 MALE, UNI CODE, 5P, 10.5MM
SMT, DITE Part #S8655PRSMF
Panel,RHCP,FIXED,SMAF 865-870MHz,
5dBic,TE Part #58075-1
MTA 50/100/156 PNEUMATIC TOOL
FRAMETE Part #58246-2
MTA 100 CRIMP HEAD PRODUCTION
DISCRETETE Part #3-640621-2
02P MTA100 CONN ASSY F/T NATLTE Part #3-644457-2
02P MTA100 HDR ASSY R/A NARROWTE Part #CAT-104MTA-NVTHH
Nylong Vertical PCB Header: 2.54mm,
Through Hole, MTA 100TE Part #969973-4
2x4P HV100 REC. CON, SMD, GOLD,
BLISTERTE Part #969973-5
2x5P HV100 REC. CON, SMD, GOLD,
BLISTER

Documents

Product Drawings

[03P MTA100 HRD ASSYF/L HT LF](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_3-647051-3_H_c-3-647051-3-h.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_3-647051-3_H_c-3-647051-3-h.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-647051-3_H_c-3-647051-3-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

[Agency Approval Document](#)

English