

3-647161-1 ✓ ACTIVE



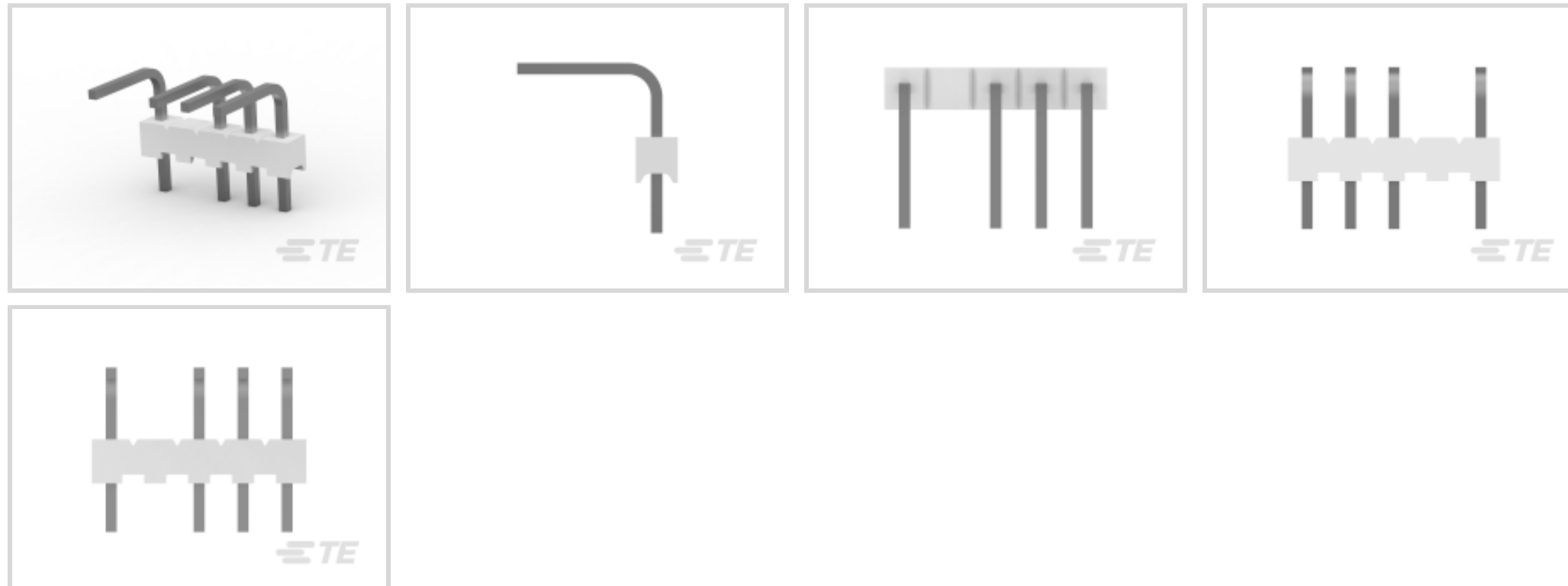
MTA 100

TE Internal #: 3-647161-1

PCB Mount Header, Right Angle, Wire-to-Board, 5 Position, 2.54 mm [.1 in] Centerline, Breakaway, Tin, Through Hole - Solder, Signal, Natural, MTA 100

[View on TE.com >](#)

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



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

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **5**

Number of Rows: **1**

[All PCB Header, Right Angle, Polyester, 2.54 mm \(5\)](#)

Features

Electrical Characteristics

Operating Voltage	250 VAC
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Dimensions

Connector Width	8.94 mm[.352 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	6.6 mm[.262 in]
Connector Length	12.4 mm[.488 in]

Other

Position Locations Omitted	4
Number of Blocked Positions	1
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Packaging Features



Packaging Quantity	500
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Packaging Method	Box, Bag
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Industry Standards

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

Connector Profile	Narrow
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Primary Product Color	Natural
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Mechanical Attachment

Panel Mount Feature	Without
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Mating Retention	Without
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Mating Alignment Type	Polarization
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PCB Mount Retention	Without
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PCB Mount Alignment	Without
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Connector Mounting Type	Board Mount
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Mating Alignment	With
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Termination Features

Termination Post & Tail Length	2.79 mm[.11 in]
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Square Termination Post & Tail Dimension	.64 mm[.025 in]
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Termination Method to PCB	Through Hole - Solder
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Contact Features

Contact Underplating Material	Nickel
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Contact Underplating Material Thickness	1.27 μ m[50 μ in]
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PCB Contact Termination Area Plating Material Finish	Matte
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Contact Mating Area Plating Material Thickness	3.81 μ m[150 μ in]
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Mating Square Post Dimension	.64 mm[.025 in]
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PCB Contact Termination Area Plating Material Thickness	3.81 – 8.89 μ m[150 – 350 μ in]
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Contact Shape & Form	Square
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Contact Layout	Inline
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Contact Mating Area Length	6.6 mm[.26 in]
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Contact Base Material	Copper Alloy
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PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	5 A

Housing Features

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

Configuration Features

Number of Columns	5
Number of Loaded Positions	4
PCB Mount Orientation	Right Angle
Number of Positions	5
Number of Rows	1

Product Type Features

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

Usage Conditions

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

Circuit Application	Signal
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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-NTPNR
MTA Receptacle: Nylon, Tin Plated, 2.54 mm



TE Part # 3-644457-5
05P MTA100 HDR ASSY R/A NARROW



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



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

Also in the Series | [MTA 100](#)



Connector Caps & Covers(69)



Connector Contacts(8)



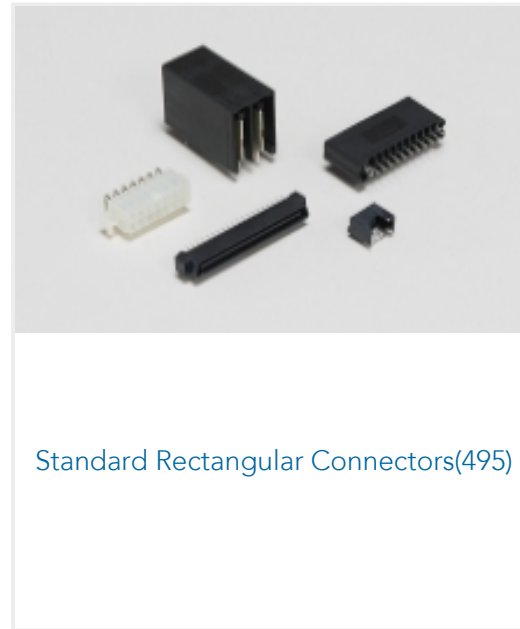
Connector Hardware(1)



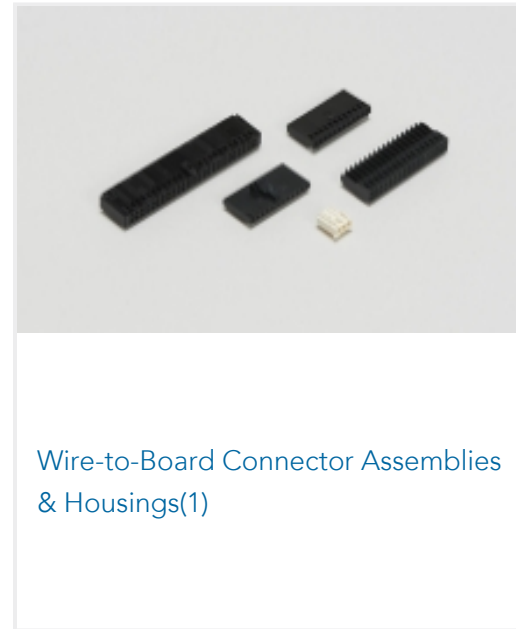
Insertion & Extraction Tools(2)



PCB Headers & Receptacles(441)



Standard Rectangular Connectors(495)



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



Wire-to-Board Headers & Receptacles (441)

Customers Also Bought



TE Part #7-1879223-7
CPF 0603 1K65 0.1% 25PPM 1K RL



TE Part #2176635-6
3627 322515 10UH 10%

Documents

Product Drawings

[05P MTA100 HDR ASSY W/O#4 SN](#)

English

CAD Files

Customer View Model

[ENG_CVM_3-647161-1_A1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_3-647161-1_A1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_3-647161-1_A1.2d_dxf.zip](#)

English

[3D PDF](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG_CVM_CVM_3-647161-1_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-647161-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-647161-1_C.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English

Agency Approvals

[Agency Approval Document](#)

English