



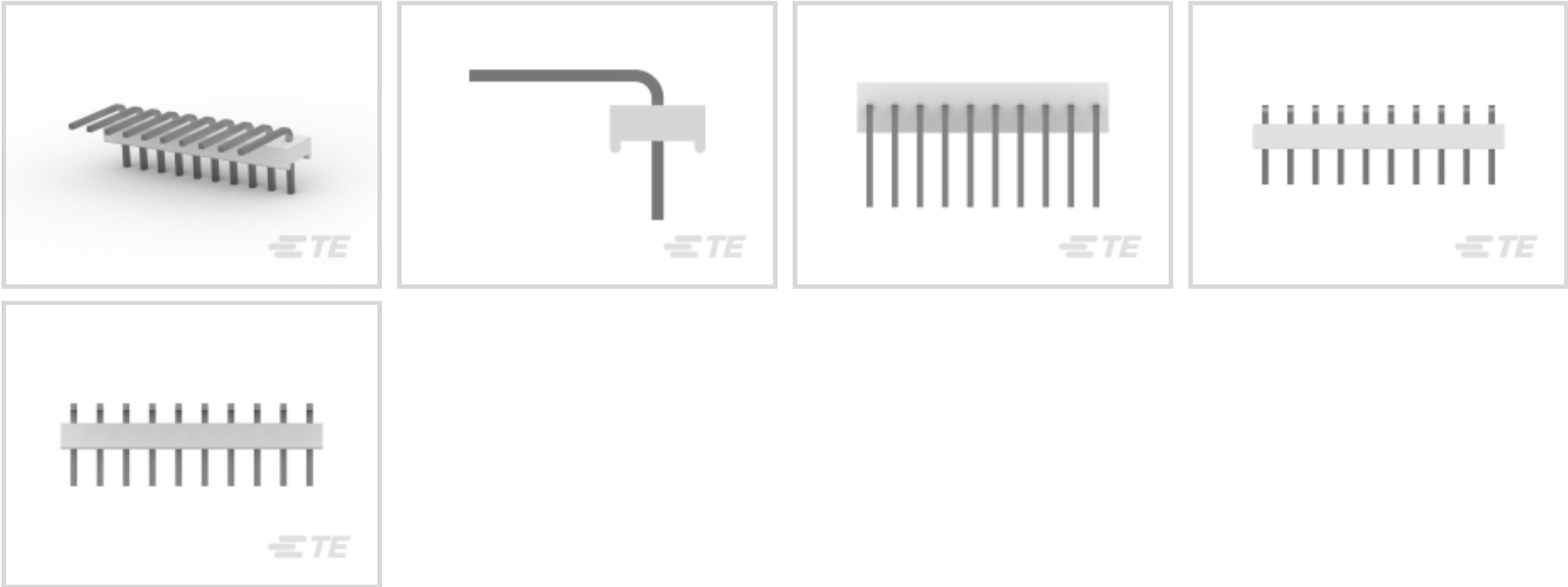
MTA 100

TE Internal #: 1-640453-0

PCB Mount Header, Right Angle, Wire-to-Board, 10 Position, 2.54 mm [.1 in] Centerline, Unshrouded, Tin (Sn), Through Hole - Solder, Signal, MTA 100

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles > PCB Header: Polyester, Right Angle, Unshrouded



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **10**

Number of Rows: **1**

[All PCB Header: Polyester, Right Angle, Unshrouded \(80\)](#)

Features

Product Type Features

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

Configuration Features

|                       |             |
|-----------------------|-------------|
| PCB Mount Orientation | Right Angle |
| Number of Positions   | 10          |
| Number of Rows        | 1           |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 250 VAC |
|-------------------|---------|



Body Features

|                       |         |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|

Contact Features

|                                                         |                  |
|---------------------------------------------------------|------------------|
| Contact Underplating Material                           | Nickel           |
| Contact Underplating Material Thickness                 | 1.27 µm[50 µin]  |
| Contact Mating Area Plating Material Thickness          | 3.81 µm[150 µin] |
| Mating Square Post Dimension                            | .64 mm[.025 in]  |
| PCB Contact Termination Area Plating Material Thickness | 3.81 µm[150 µin] |
| Contact Shape & Form                                    | Square           |
| Contact Layout                                          | Inline           |
| Contact Mating Area Length                              | 7.49 mm[.295 in] |
| Contact Base Material                                   | Copper Alloy     |
| PCB Contact Termination Area Plating Material           | Tin              |
| Contact Mating Area Plating Material Finish             | Matte            |
| Contact Mating Area Plating Material                    | Tin (Sn)         |
| 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        | Without     |
| PCB Mount Retention     | Without     |
| PCB Mount Alignment     | Without     |
| Connector Mounting Type | Board Mount |
| Mating Alignment        | Without     |

Housing Features

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

Dimensions

|  |  |
|--|--|
|  |  |
|--|--|



|                             |                  |
|-----------------------------|------------------|
| PCB Thickness (Recommended) | 1.6 mm[.063 in]  |
| Connector Length            | 27.94 mm[1.1 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

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 | 1       |
| Packaging Method   | Package |

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 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                |
| Solder Process Capability                     | Wave solder capable to 265°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-PLSCC  
Polyester PCB Connector Covers: 2.54 mm, MTA 100

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

TE Part # 1-1375820-0  
CST-100 II HOUSING 10 POS

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)

PCB Headers & Receptacles(441)

Rectangular Connector Housings(1)

Rectangular Power Connectors(1)

Standard Rectangular Connectors(496)

Wire-to-Board Headers & Receptacles (441)

Customers Also Bought



TE Part #1879808-1  
[RP 1J 1K0 0.1% 15PPM 5K RL](#)

TE Part #1-480698-1  
[02P UMNL PLUG HSG BRN](#)

TE Part #640500-1  
[06P MR HDR ASSY V0](#)

TE Part #640504-1  
[20P MR HDR ASSY V0](#)

TE Part #3-2176372-4  
[RQ 0603 110K 0.1% 10PPM 5K RL](#)

TE Part #53884-1  
[HSG ASSY,PWR LK,SRS2,1 POS,BLU](#)

TE Part #2-644861-4  
[04P MTA100 SHRD HDR,W/O PEG SN](#)

TE Part #2-2176369-7  
[RQ 0603 75R 0.1% 10PPM 5K RL](#)

TE Part #4-2176337-8  
[CRGCQ 0402 82K 1%](#)

TE Part #641970-1  
[06P UMNL PIN HDR ASSY 94VO](#)

Documents

Product Drawings

[10P MTA100 HDR ASSY SQ R/A](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG\\_CVM\\_1-640453-0\\_Y.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1-640453-0\\_Y.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1-640453-0\\_Y.3d\\_stp.zip](#)

English

[3D PDF](#)

3D



Customer View Model

[ENG\\_CVM\\_CVM\\_1-640453-0\\_AB.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-640453-0\\_AB.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-640453-0\\_AB.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