

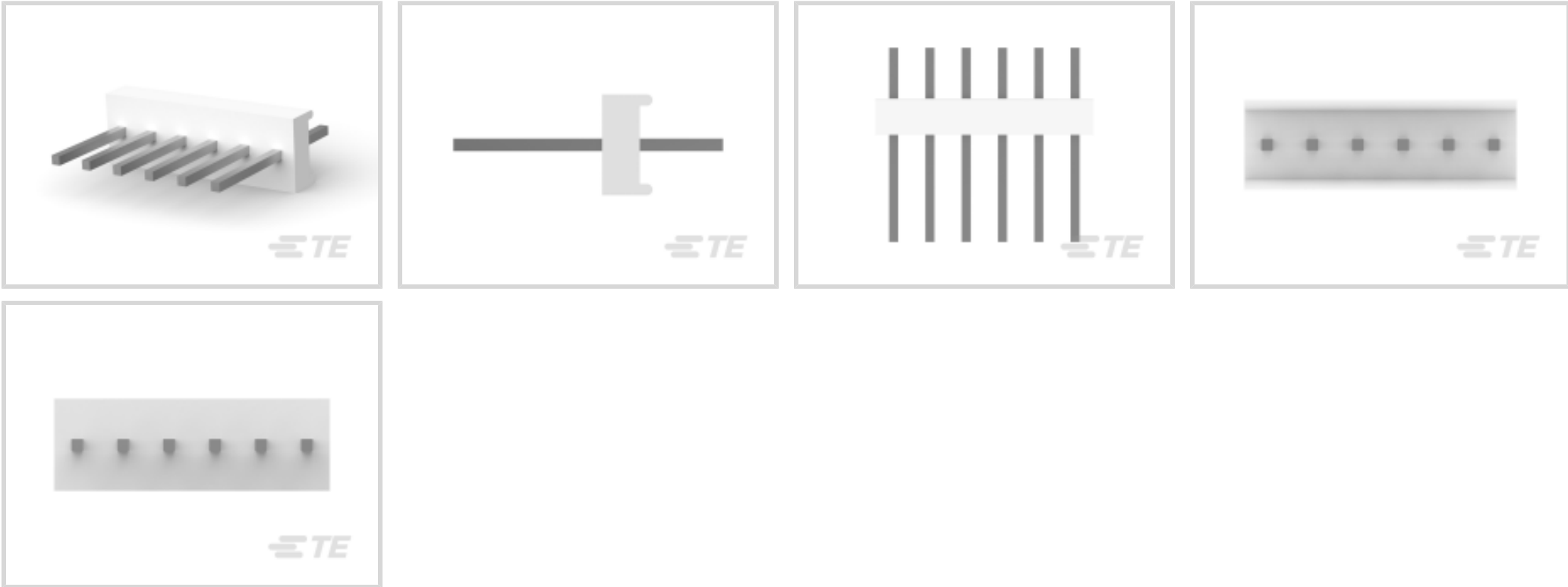


MTA 100

TE Internal #: 640452-6  
PCB Mount Header, Vertical, Wire-to-Board, 6 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, Vertical, Unshrouded, No Mating Alignment



PCB Connector Type: **PCB Mount Header**  
PCB Mount Orientation: **Vertical**  
Connector System: **Wire-to-Board**  
Number of Positions: **6**  
Number of Rows: **1**

[All PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment \(134\)](#)

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 | Vertical |
| Number of Positions   | 6        |
| 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 Height            | 2.54 mm[.1 in]  |
| Connector Length            | 17.78 mm[.7 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-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 # 1375820-6  
CST-100 II HOUSING 6 POS

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)

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 #5102160-2  
A/L UNIV HDR 14P RA



TE Part #3-640620-5  
05P MTA100 CONN ASSY F/T RED



TE Part #6368011-3  
STK MJ,2X1,SHLD,I135,G/Y/G/Y L



TE Part #2-1879355-3  
RR03 5% 36K AMMO



TE Part #640385-5  
05P MTA156 HDR ASSY SQ R/A



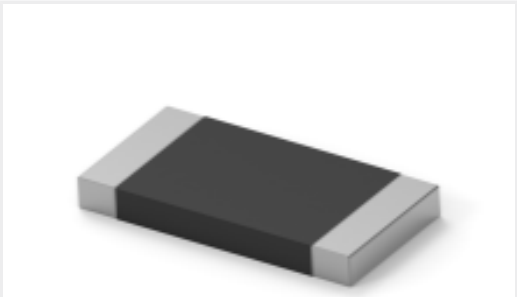
TE Part #6-2176087-6  
RP 1J 0.166W 332R 0.1% 25PPM 1K RL



TE Part #640452-3  
03P MTA100 HDR ASSY SQ STR



TE Part #2318229-1  
AMPL PLUG, HD22, VERT, 15P, THREADED



TE Part #6-2176421-3  
TLRP 2512 2.0W R060 1% 50PPM 4K RL



TE Part #8-1437187-1  
FST-22A-5

Documents

Product Drawings

06P MTA100 HDR ASSY SQ STR

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_640452-6\_AC.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_640452-6\_AC.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_640452-6\_AC.3d\_stp.zip

English

3D PDF

English





Customer View Model

[ENG\\_CVM\\_640452-6\\_Z.2d\\_dxf.zip](#)

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Customer View Model

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Customer View Model

[ENG\\_CVM\\_640452-6\\_Z.3d\\_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL](#)

English