# 3-644454-1 ✔ ACTIVE

MTA 100

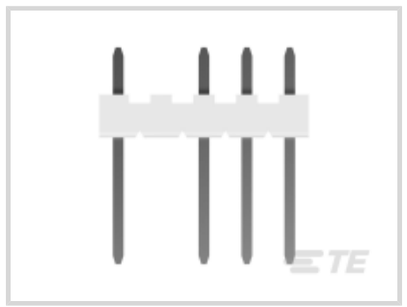
TE Internal #: 3-644454-1

PCB Mount Header, Vertical, 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 > Polyester Vertical PCB Header: 2.54mm, Breakaway, MTA 100







EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

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

PCB Mount Orientation: **Vertical**

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

All Polyester Vertical PCB Header: 2.54mm, Breakaway, MTA 100 (27)

## Features

### Other

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

### Configuration Features

| | |
|---|---|
| Number of Loaded Positions | 4 |

| | |
|---|---|
| PCB Mount Orientation | Vertical |
| Number of Positions | 5 |
| Number of Rows | 1 |

## Electrical Characteristics

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

## Body Features

| | |
|---|---|
| Connector Profile | Narrow |
| Primary Product Color | Natural |

## Contact Features

| | |
|---|---|
| Contact Underplating Material | Nickel |
| Contact Underplating Material Thickness | 1.27 µm[50 µin] |
| PCB Contact Termination Area Plating Material Finish | Matte |
| 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 – 8.89 µm[150 – 350 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 |
| Contact Type | Pin |
| Contact Current Rating (Max) | 5 A |

## Termination Features

| | |
|---|---|
| Termination Post & Tail Length | 2.79 mm[.11 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 |
| Mating Alignment Type | Polarization |

| | |
|---|---|
| PCB Mount Retention | Without |
| PCB Mount Alignment | Without |
| Connector Mounting Type | Board Mount |
| Mating Alignment | With |

### Housing Features

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

### Dimensions

| | |
|---|---|
| Connector Width | 2.33 mm[.092 in] |
| PCB Thickness (Recommended) | 1.6 mm[.063 in] |
| Connector Height | 10.33 mm[.395 in] |
| Connector Length | 12.4 mm[.488 in] |

### Usage Conditions

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

### Operation/Application

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

### Industry Standards

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

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 500 |
| Packaging Method | Box, Carton |

## 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)<br>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 # CAT-104MTA-PLSCC
Polyester PCB Connector Covers: 2.54 mm, MTA 100



TE Part # 3-644456-5
05P MTA100 HDR ASSY (NARROW)



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

## Also in the Series | MTA 100



Connector Caps & Covers(69)



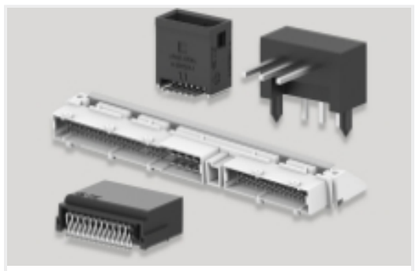
Connector Contacts(8)



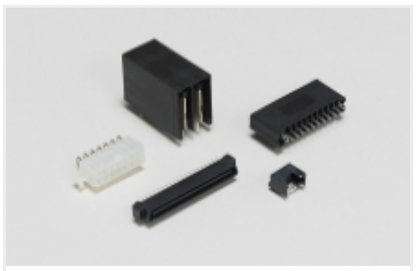
Connector Hardware(1)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(441)



Standard Rectangular Connectors(495)



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

## Customers Also Bought



TE Part #1658608-4
09 POS HDF PLUG, MS, LEAD FREE



TE Part #320574
TERMINAL,PIDG R 16-14 10



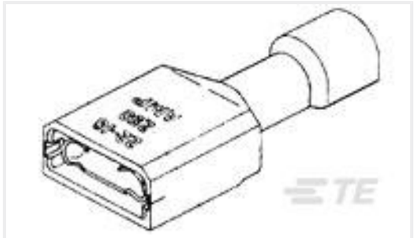
TE Part #499252-5
010 STRAIN RELIEF A-L RCPT



TE Part #1658621-1
10 NOVO MIL/CTR 15DP,LEAD FREE



TE Part #5520259-4
MJ,TE,8P,TRAYS



TE Part #9-520193-2
ULTRA-FAST 187 ASY REC 22-18 AWG TPBR



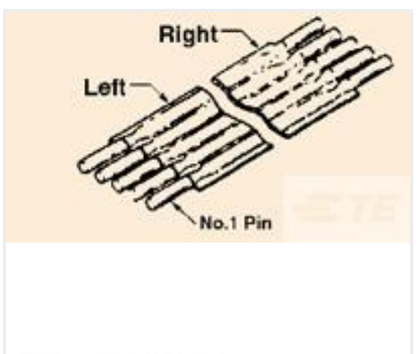
TE Part #2-520183-2
ULTRA-FAST 250 ASY REC 22-18 TPBR



TE Part #1-534237-2
14 MODII VRT SR CE 100/115



TE Part #1-2201197-0
0.4 STACKING CONN H0.98 REC ASSEMBLY




TE Part #5-1437165-9
FSP-21A-8

## Documents

### Product Drawings

05P MTA100 HDR W/O#4 NARROW

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-644454-1_H.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_3-644454-1_H.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_3-644454-1_H.3d_stp.zip

English

3D PDF

English

### Customer View Model

ENG_CVM_3-644454-1_F1.3d_igs.zip

English

### Customer View Model

ENG_CVM_3-644454-1_F1.3d_stp.zip

English

### Customer View Model

ENG_CVM_3-644454-1_F1.2d_dxf.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