# 4-641126-0 ✔ ACTIVE

MTA 100

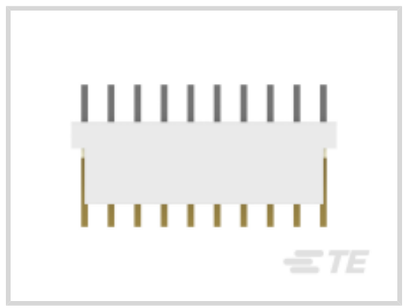
TE Internal #: 4-641126-0

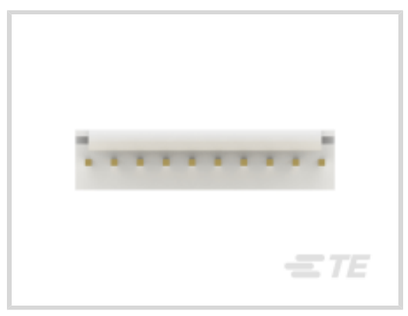
PCB Mount Header, Vertical, Wire-to-Board, 10 Position, 2.54 mm [.1 in] Centerline, Partially Shrouded, Gold, Through Hole - Solder, Signal, MTA 100

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles > PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment







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

Number of Positions: **10**

Number of Rows: **1**

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

PCB Mount Orientation: **Vertical**

All PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment (134)

## Features

### Product Type Features

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

### Configuration Features

| | |
|---|---|
| Number of Positions | 10 |
| Number of Rows | 1 |
| PCB Mount Orientation | Vertical |

### Electrical Characteristics

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

### Body Features

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

## Contact Features

| | |
|---|---|
| Contact Mating Area Length | 7.49 mm[.295 in] |
| Mating Square Post Dimension | .64 mm[.025 in] |
| PCB Contact Termination Area Plating Material Thickness | 3.81 – 8.89 µm[150 – 350 µin] |
| Contact Layout | Inline |
| Contact Underplating Material Thickness | 1.27 µm[50 µin] |
| Contact Mating Area Plating Material Thickness | .38 µm[15 µin] |
| PCB Contact Termination Area Plating Material Finish | Matte |
| Contact Shape & Form | Square |
| Contact Mating Area Plating Material Finish | Bright |
| Contact Underplating Material | Nickel |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Copper Alloy |
| Contact Mating Area Plating Material | Gold |
| Contact Type | Pin |
| Contact Current Rating (Max) | 5 A |

## Termination Features

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

## Mechanical Attachment

| | |
|---|---|
| Mating Alignment Type | Polarization |
| Mating Retention | With |
| Panel Mount Feature | Without |
| Mating Retention Type | Friction Lock |
| Connector Mounting Type | Cable Mount (Free-Hanging) |
| Mating Alignment | With |
| PCB Mount Alignment | Without |
| PCB Mount Retention | Without |

## Housing Features

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

## Dimensions

| | |
|---|---|
| Connector Length | 27.94 mm[1.1 in] |
| Connector Height | 7.87 mm[.31 in] |
| PCB Thickness (Recommended) | 1.6 mm[.063 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>

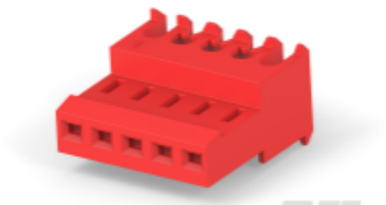
| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Hand solderable with lead free solder |

Product Compliance Disclaimer

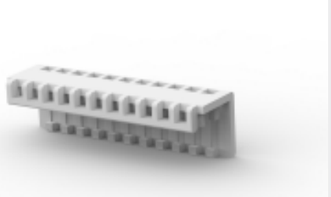
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



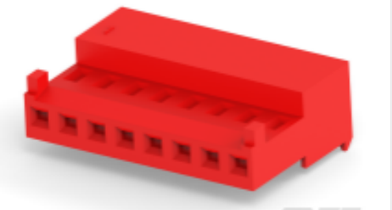
TE Part # CAT-104MTA-NGPNR
Nylon Gold Plated Receptacle: 2.54 mm, no Mating Alignment



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



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

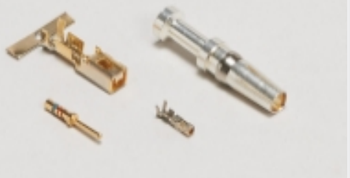


TE Part # CAT-104MTA-NGPMR
Nylon Gold Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100

## Also in the Series | MTA 100



Connector Caps & Covers(69)



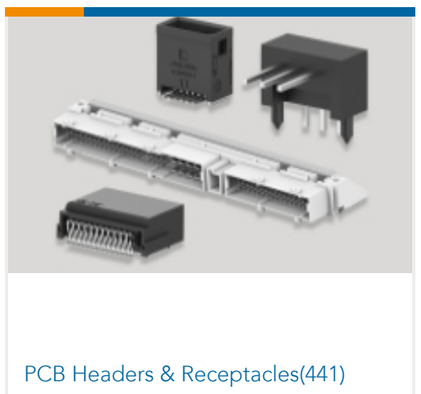
Connector Contacts(8)



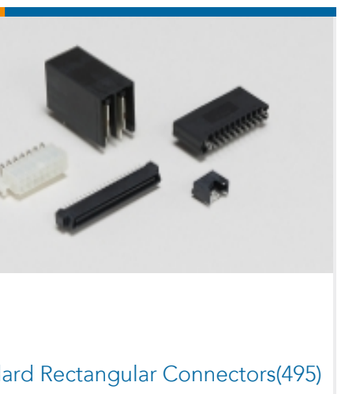
Connector Hardware(1)



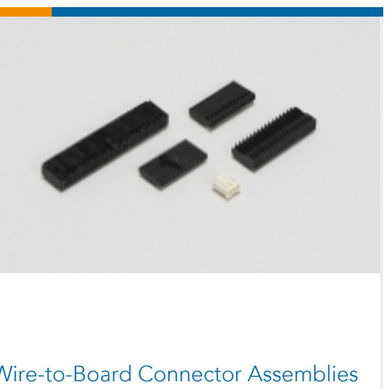
Insertion & Extraction Tools(2)



PCB Headers & Receptacles(441)



Standard Rectangular Connectors(495)

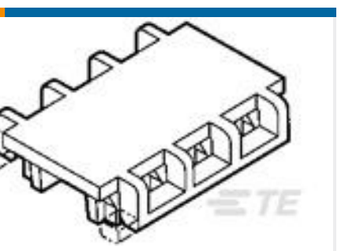


Wire-to-Board Connector Assemblies & Housings(1)

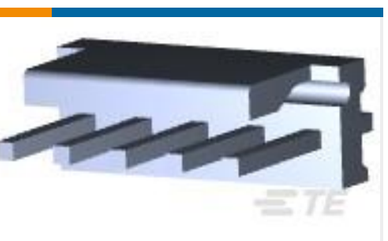
## Customers Also Bought



TE Part #640456-2
02P MTA100 HDR ASSY F/L SQ STR



TE Part #1-643077-0
10P MTA100 MOLDED COVER F/T



TE Part #3-641208-5
05P MTA156 HDR ASSY FL ST LF



TE Part #5569262-1
STK MJ ASSY,8POS,2X4,SHLD,CAT5



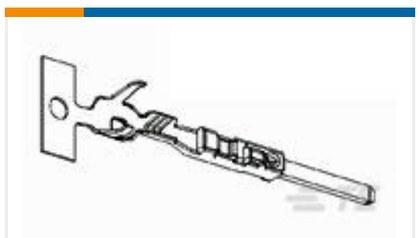
TE Part #1-770166-1
02P MINI UMNL ASSY VO SNAU LF



TE Part #350792-3
04P UMNL PIN HDR ASSY 94VO LF



TE Part #2-2176324-4
SMV 3W 8M2 5%



TE Part #2141116-1
MCON 1.2 CB TAB SWS SN



TE Part #2226913-1
CONTACT, PIN, CRIMPED, SIZE 23

## Documents

### Product Drawings

10P MTA100 HDR ASY FL/STR LF

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-641126-0_AC.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-641126-0_AC.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-641126-0_AC.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

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## TE Connectivity:

CPF0402B37K4E1 CRGCQ2010J3K3 2005330-1 2310537-1 1393431-1 3631B101LL 917696-1 936348-1 1-794222-0 1743455-2 1903112-2 2834055-1 3-1393225-0 1-962915-1 2-292161-3 141991-2 175977-2 650075-000 SBCHE64R7K SMW73R0JT 3430B2F51RTDF MPT100C18RF U5254-000005-030PA 2377783-2 RH73H2A40MKTN ROX05SJ18R SBCHE154R7K TE50BR39J 1969656-1 2380312-2