



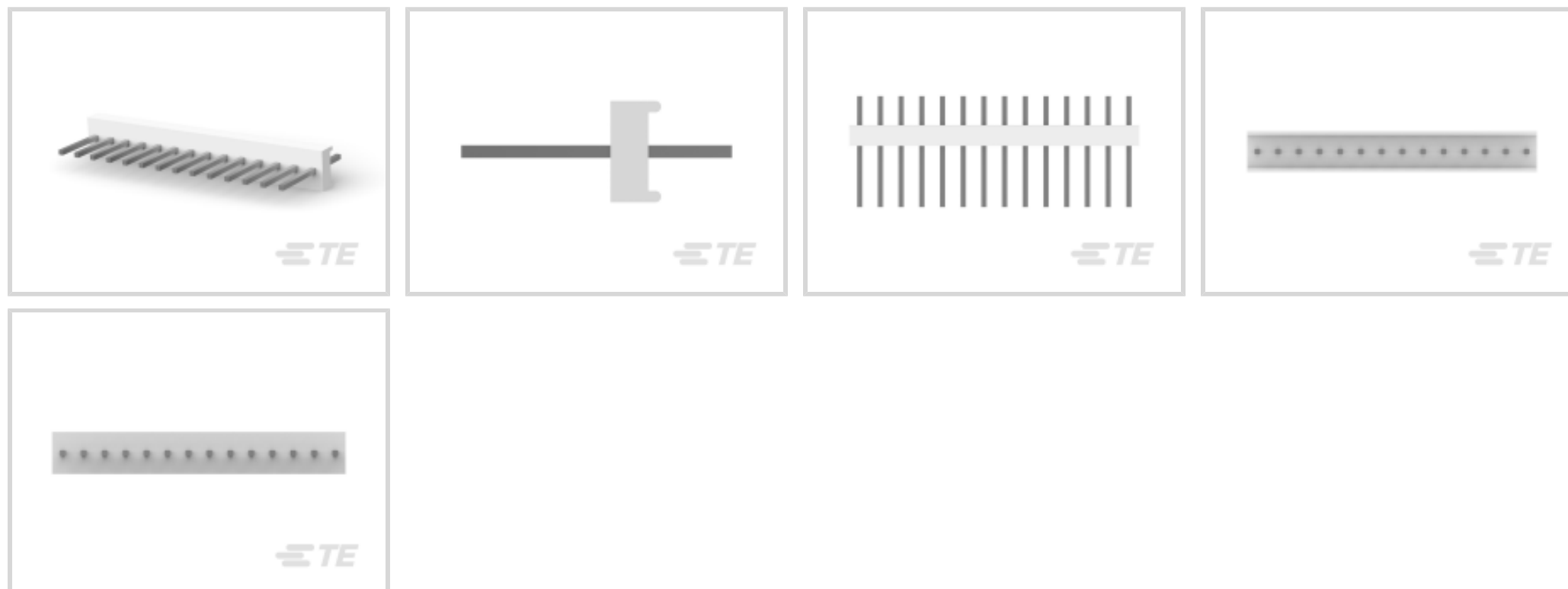
**MTA 100**

TE Internal #: 1-640452-4

PCB Mount Header, Vertical, Wire-to-Board, 14 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: **14**

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

[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	14
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 $\mu\text{m}$ [50 $\mu\text{in}$ ]
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	3.81 $\mu\text{m}$ [150 $\mu\text{in}$ ]
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	Tin (Sn)
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	3.81 $\mu\text{m}$ [150 $\mu\text{in}$ ]
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
PCB Mount Alignment	Without
Mating Retention	Without
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Mating Alignment	Without

### Housing Features

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

### Dimensions

--	--



PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	2.54 mm[.1 in]
Connector Length	38.1 mm[1.5 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	1000
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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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-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



TE Part # 1-1375820-4  
CST-100 II HOUSING 14 POS




TE Part # 1-640550-4  
14P MTA100 COVER




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

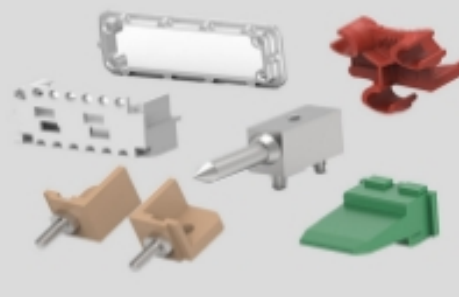
## Also in the Series | MTA 100




Connector Caps & Covers(69)



Connector Contacts(8)




Connector Hardware(1)



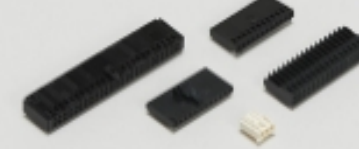
Insertion & Extraction Tools(2)



PCB Headers & Receptacles(441)



Rectangular Power Connectors(1)

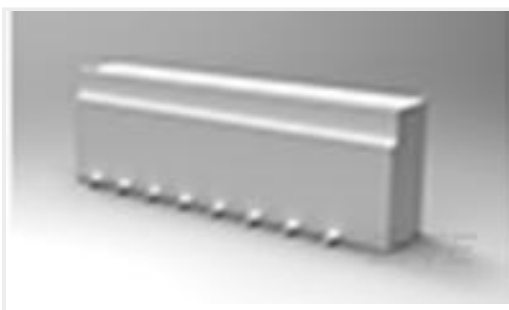


Wire-to-Board Connector Assemblies & Housings(457)



Wire-to-Board Headers & Receptacles (441)

## Customers Also Bought



TE Part #3-84982-0  
1MM FFC SMT V ASSY 30P EMBOSS



TE Part #87230-8  
16 MODII HDR DRRA UNSHRD .100



TE Part #5-104361-1  
02 MTE HDR SRRA LATCH W/HLDWN



TE Part #413990-2  
STR JACK,SMB,PCB



TE Part #2-1445096-6  
MICRO MNL HDR ASSY SINGLE ROW



TE Part #2-1445100-6  
MICRO MNL HDR ASSY S/ROW LF



TE Part #6-1614884-7  
CPF 0805 1K6 0.1% 25PPM 1K RL



TE Part #1676657-2  
RN 0805 16R5 0.1% 10PPM 1K RL



TE Part #4-1827253-8  
.5FHP05H,220,S,GIG,08/Sn,TR,NSYes



TE Part #2351462-4  
MINSA SW HLV 0.30N 0.5A AC SC Lg-L-Bnd

## Documents

### Product Drawings

[14P MTA100 HDR ASSY SQ STR](#)

English

### CAD Files

[3D PDF](#)

English

Customer View Model

[ENG\\_CVM\\_1-640452-4\\_Z.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1-640452-4\\_Z.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1-640452-4\\_Z.3d\\_stp.zip](#)

English

[3D PDF](#)

3D



**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-640452-4\\_AC.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-640452-4\\_AC.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-640452-4\\_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**

[UL](#)

English