4-644456-6 ✔ ACTIVE

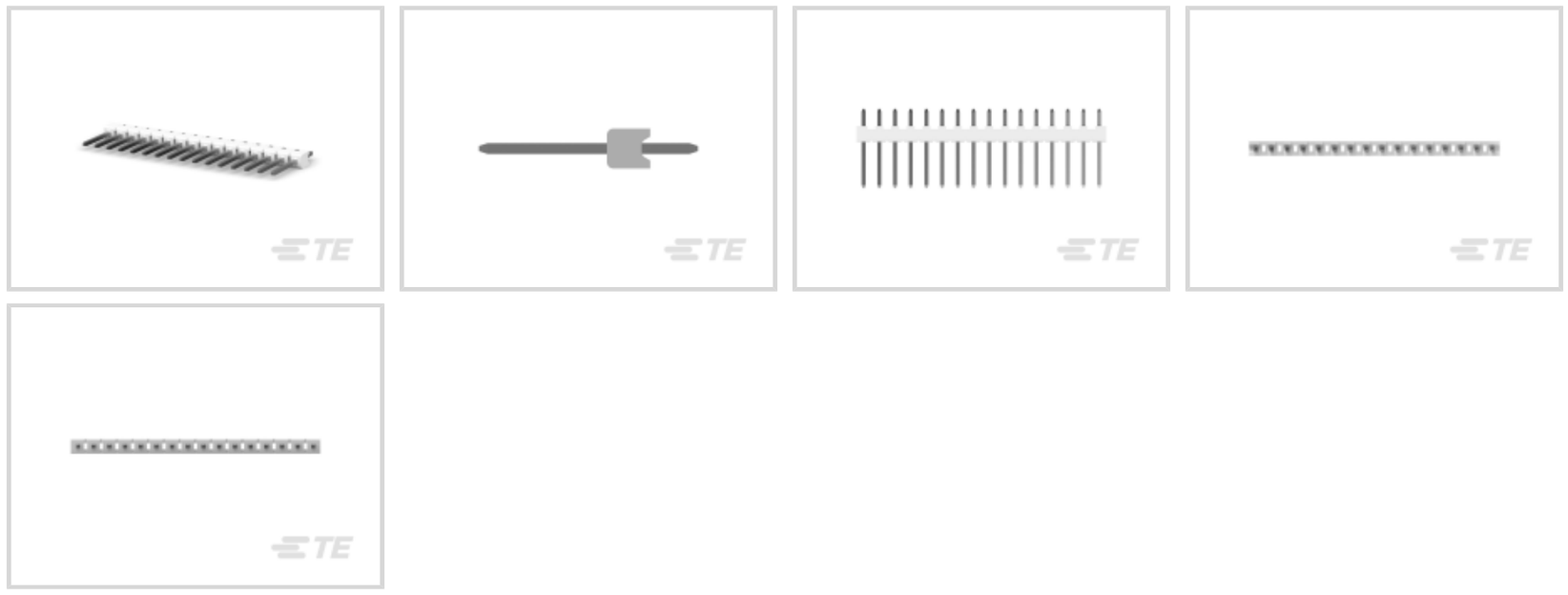
MTA 100

TE Internal #: 4-644456-6

PCB Mount Header, Vertical, Wire-to-Board, 16 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



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

Number of Positions: **16**

Number of Rows: **1**

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

PCB Mount Orientation: **Vertical**

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

Features

Product Type Features

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

Configuration Features

Number of Positions	16
Number of Rows	1
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Connector Profile	Narrow
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	3.81 µm[150 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
Contact Mating Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	5 A

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	2.79 mm[.11 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention	Without
Panel Mount Feature	Without
Connector Mounting Type	Board Mount
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	40.34 mm[1.588 in]
Connector Height	10.03 mm[.395 in]
Connector Width	2.33 mm[.092 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

Agency/Standard	CSA, UL
Approved Standards	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	250
Packaging Type	Bag, Box

Product Compliance

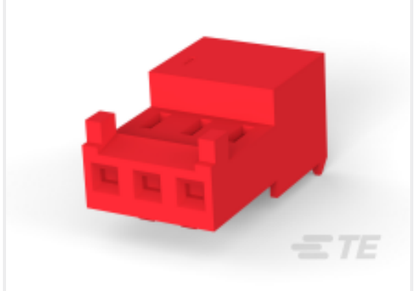
For compliance documentation, visit the product page on TE.com>

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

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-NTPMR
Nylon Tin Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100

TE Part # 1-640550-6
16P MTA100 COVER

TE Part # 1-1375820-6
CST-100 II HOUSING 16 POS

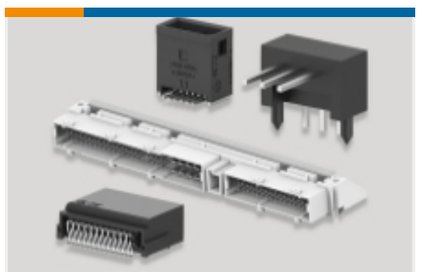
TE Part # CAT-104MTA-NYLCC
Nylon PCB Connector Covers: 2.54 mm, MTA 100

Also in the Series | MTA 100

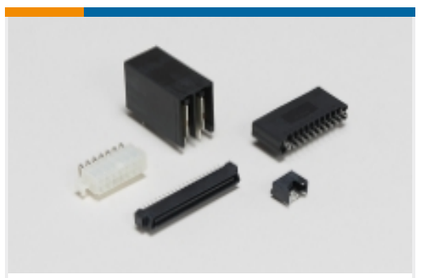
Connector Caps & Covers(69)

Insertion & Extraction Tools(2)

PCB Connector Keying(1)



PCB Headers & Receptacles(440)



Standard Rectangular Connectors(495)

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

Wire-to-Board Connector Contacts(8)

Customers Also Bought

TE Part #3-644456-6
06P MTA100 HDR ASSY (NARROW)

TE Part #640250-2
02P SL156 HSG W/LCK RAMP NATL

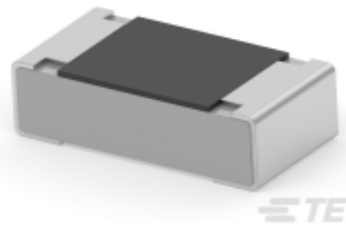
TE Part #1-1393143-1
27E128=SOCKET,R10,10,PC,PHEN

TE Part #3-1393115-1
KUL-11D15D-12=KU

TE Part #1623928-4
CFR16 5% 330R

TE Part #2-1879338-9
CPF 0603 52K3 1% 50PPM 1K RL

TE Part #7-1393769-0
R10S-E1Y1-J1.0K=R10



TE Part #2-2176340-9
CRGCQ 0603 47K 5%

TE Part #640706-2
CONTACT .045 POST PT BRASS

TE Part #185890-1
26pos MQS .63 header 90deg

Documents

Product Drawings

16P MTA100 HDR ASSY (NARROW)

English

CAD Files

Customer View Model

ENG_CVM_CVM_4-644456-6_J.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-644456-6_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-644456-6_J.3d_stp.zip

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

Agency Approval Document

English