2-640454-4 ✔ ACTIVE

MTA 100

TE Internal #: 2-640454-4

PCB Mount Header, Vertical, Wire-to-Board, 24 Position, 2.54 mm [.1 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, Signal, MTA 100

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles > PCB Header: Polyester, Vertical, 2.54 mm

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 PCB Header: Polyester, Vertical, 2.54 mm (31)

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Type Features

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

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	24
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
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
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

PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	7.75 mm[.305 in]
Connector Length	63.5 mm[2.5 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Industry Standards

Compatible With Agency/Standards Products	UL, CSA
Compatible With Approved Standards Products	UL E28476, CSA LR7189
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) 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 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 # 5-643813-4
24P MTA100 CONN ASSY POL RIB

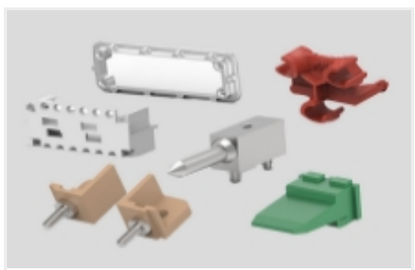
TE Part # 2-643075-4
24P MTA100 MOLDED COVER

TE Part # 2-1375820-4
CST-100 II HOUSING 24 POS

Also in the Series | MTA 100

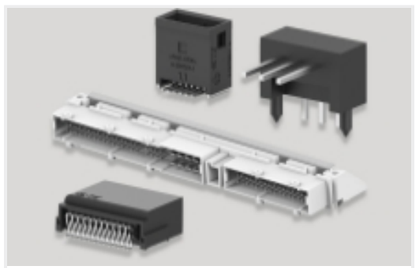
Connector Caps & Covers(69)

Connector Contacts(8)

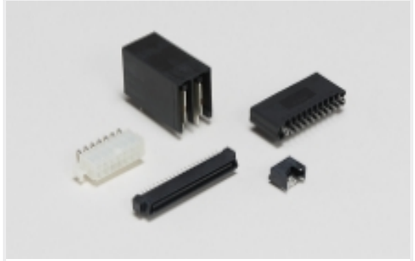


Connector Hardware(1)

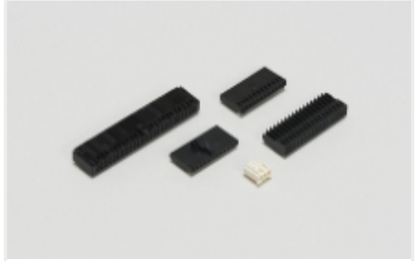
Insertion & Extraction Tools(2)



PCB Headers & Receptacles(441)

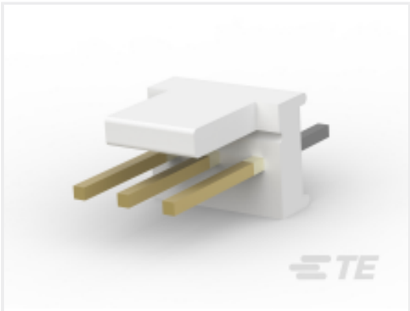


Standard Rectangular Connectors(495)



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

Customers Also Bought



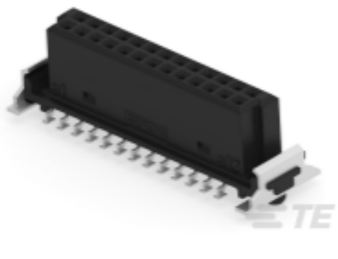
TE Part #1-640454-6
PCB Header: Polyester, Vertical, 2.54 mm

TE Part #5227161-7
RTANG JACK W/MTG PINS, BNC PCB

TE Part #1-188275-0
MICRO-MATCH SMD FTE

TE Part #521050-2
ULTRA-POD 250 ASY REC 22-18 NYLON TPBR

TE Part #934769-000
55A1131-20-MST3-9CS2275



TE Part #154806-E
SMCB 26 F AB VV 7-13 CL * H007 137 E002

Documents

Product Drawings

24P MTA100 HDR ASSY SQ STR POL

English

CAD Files

Customer View Model

ENG_CVM_CVM_2-640454-4_AA.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-640454-4_AA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-640454-4_AA.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