3-641124-6 ✔ ACTIVE

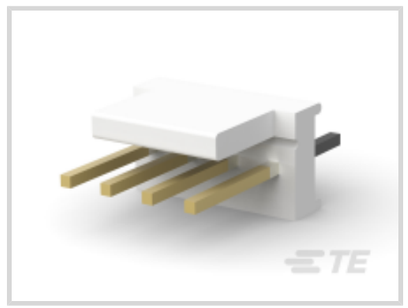
MTA 100

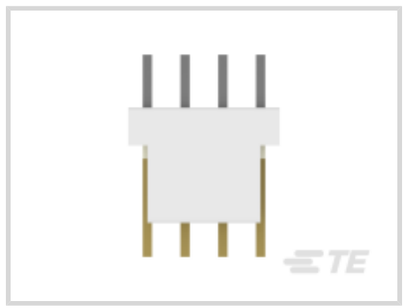
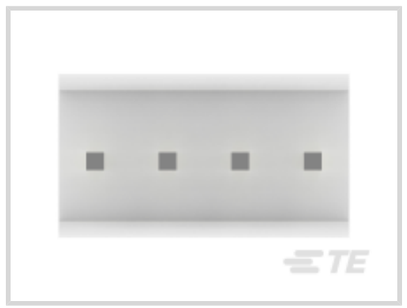
TE Internal #: 3-641124-6

PCB Mount Header, Vertical, Wire-to-Board, 6 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: **6**

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	6
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 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	17.78 mm[.7 in]
Connector Height	2.29 mm[.09 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

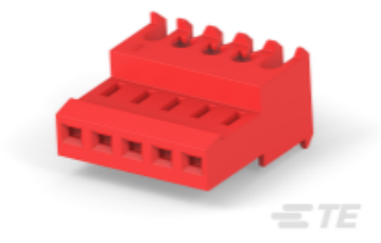
Product Compliance

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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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

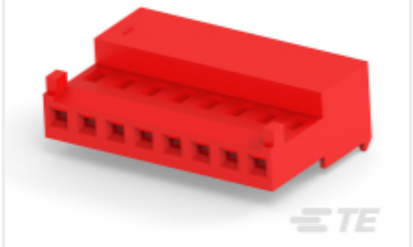
materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest 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-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

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

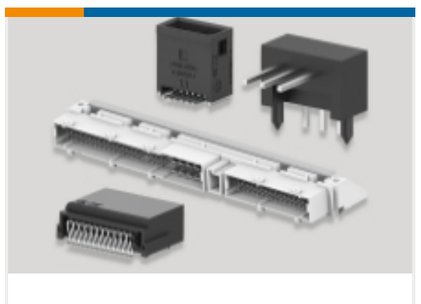
Also in the Series | MTA 100

Connector Caps & Covers(69)

Connector Contacts(8)

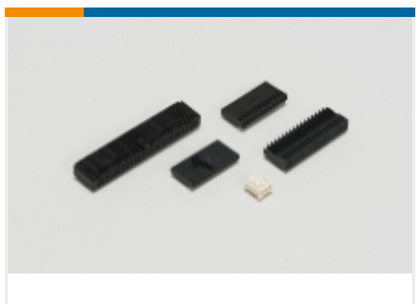
Connector Hardware(1)

Insertion & Extraction Tools(2)



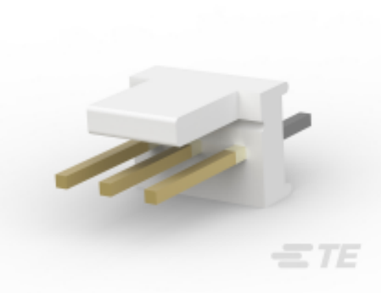
PCB Headers & Receptacles(440)

Standard Rectangular Connectors(495)



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

Customers Also Bought



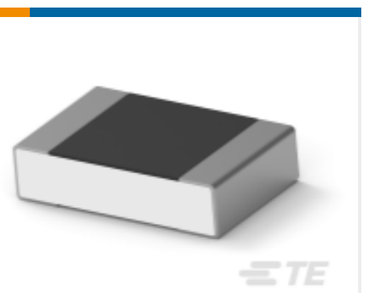
TE Part # 1-640454-0
PCB Header: Polyester, Vertical, 2.54 mm

TE Part # 87499-3
02 MODIV HSG SR MRKD .100CL

TE Part # 1-480708-0
12P UMNL PLUG HSG NATL

TE Part # 282834-2
TERMI-BLOK PCB MOUNT, 90 2P.

TE Part # 5-534237-4
06 MODII VRT SR CE 100/115



TE Part # 2176379-2
RQ 0805 110R 0.1% 10PPM 5K RL

TE Part # 881545-2
SHUNT LP W/HANDLE 2 POS 30AU

Documents

Product Drawings

06P MTA100 HDR ASSY P/STR LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-641124-6_AE.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-641124-6_AE.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-641124-6_AE.3d_stp.zip

English

Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English