3-647502-5 ✔ ACTIVE

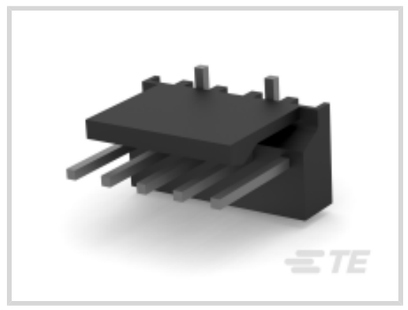
MTA 100

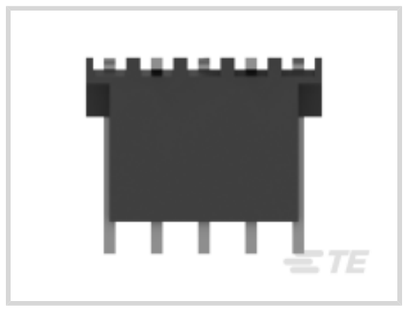
TE Internal #: 3-647502-5

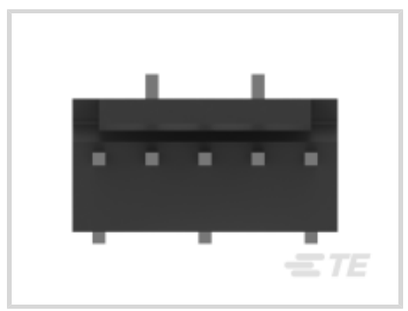
PCB Mount Header, Vertical, Wire-to-Board, 5 Position, 2.54 mm [.1 in] Centerline, Partially Shrouded, Tin, Surface Mount, Signal, Black, MTA 100

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles > PCB Header: Nylon, Vertical, Surface Mount, MTA 100







PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **5**

Number of Rows: **1**

All PCB Header: Nylon, Vertical, Surface Mount, MTA 100 (39)

Features

Electrical Characteristics

Operating Voltage	250 VAC

Dimensions

PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	8.81 mm[.34 in]
Connector Length	15.24 mm[.6 in]

Packaging Features

Packaging Quantity	225
Packaging Method	Reel

Industry Standards

Compatible With Agency/Standards Products	UL, CSA
Compatible With Approved Standards Products	UL E28476, CSA LR7189
UL Flammability Rating	UL 94V-0

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Friction Lock
Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Surface Mount

Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	3.81 – 6.35 µm[150 – 250 µin]
Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	7.37 mm[.29 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

Housing Features

Housing Material	Nylon 4/6
Centerline (Pitch)	2.54 mm[.1 in]

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	5
Number of Rows	1

Body Features

Primary Product Color	Black

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

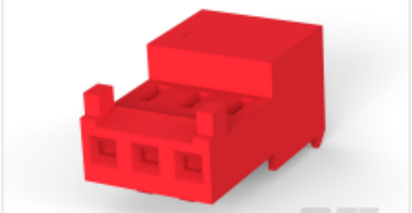
Product Compliance

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

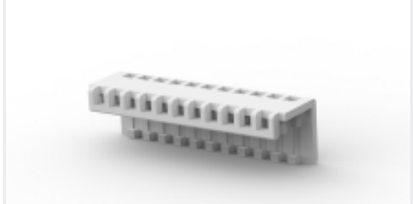
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°C

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

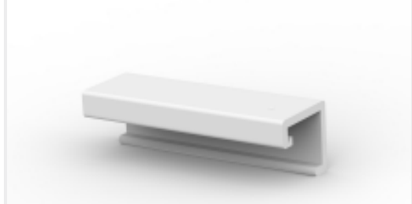
Compatible Parts



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

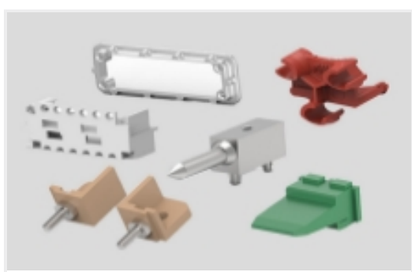


TE Part # CAT-104MTA-PLSCC
Polyester PCB Connector Covers: 2.54 mm, MTA 100

Also in the Series | MTA 100

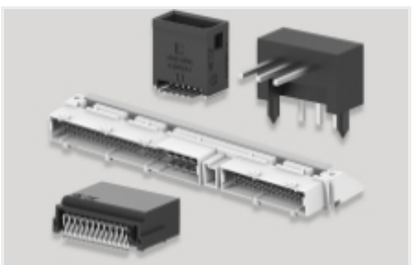
Connector Caps & Covers(69)

Connector Contacts(8)

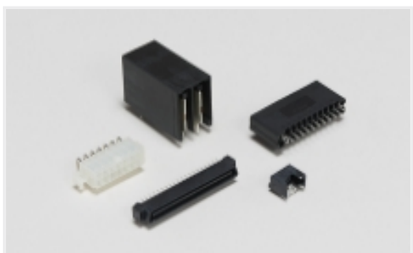


Connector Hardware(1)

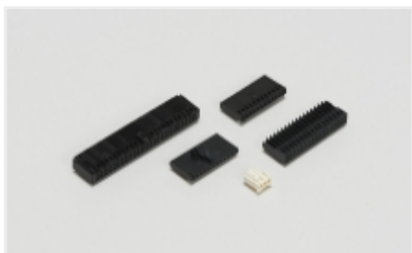
Insertion & Extraction Tools(2)



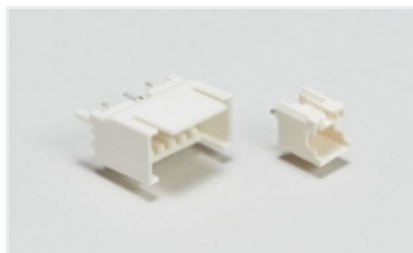
PCB Headers & Receptacles(441)



Standard Rectangular Connectors(495)

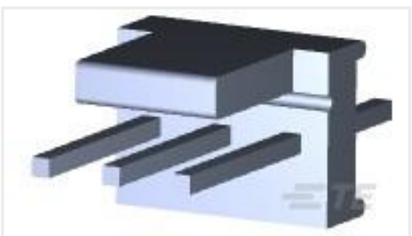


Wire-to-Board Connector Assemblies & Housings(1)

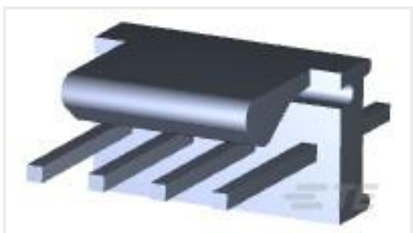


Wire-to-Board Headers & Receptacles (441)

Customers Also Bought



TE Part #640454-3
03P MTA100 HDR ASSY SQ STR POL

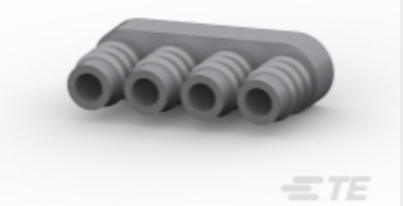


TE Part #640456-4
04P MTA100 HDR ASSY F/L SQ STR

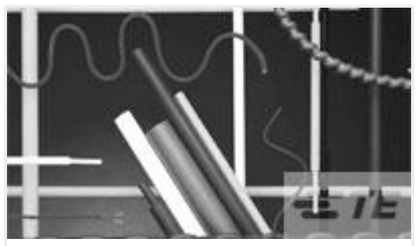
TE Part #2106136-2
Assembly, Receptacle, 2-Position

TE Part #5-146278-8
08 MODII HDR SRST B/A .100CL

TE Part #2213782-3
UNIVERSAL MATE-N-LOK 3-PSN WIRE SEAL



TE Part #2213782-4
UNIVERSAL MATE-N-LOK 4-PSN WIRE SEAL



TE Part #5069724010
CGPT-6.4/3.2-X-SP

TE Part #K1002902
Toggle Switch 08-2-1-15

TE Part #2-1393586-7
V23535A2210A100=BKMOD421 HEADE

TE Part #3-647502-2
02P MTA100 HDR ASSY,SM,FL,SN

Documents

Product Drawings

05P MTA100 HDR ASSY,SM,SN, LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-647502-5_E_c-3-647502-5-e.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-647502-5_E_c-3-647502-5-e.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-647502-5_E_c-3-647502-5-e.3d_stp.zip

English

Product Specifications

Product Specification

English

Agency Approvals

Agency Approval Document

English