1-640456-9 ✔ ACTIVE

MTA 100

TE Internal #: 1-640456-9

PCB Mount Header, Vertical, Wire-to-Board, 19 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, Unshrouded, No Mating Alignment







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

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

Number of Positions: **19**

Number of Rows: **1**

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

All PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment (134)

Features

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

Number of Columns	19
Number of Positions	19
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 µm[150 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	3.56 mm[.14 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention	With
Panel Mount Feature	Without
Mating Retention Type	Friction Lock
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	48.26 mm[1.9 in]
Connector Height	5.72 mm[.225 in]
Connector Width	10.79 mm[.425 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: 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	Hand solderable with tin/lead solder

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

Also in the Series | MTA 100



Connector Caps & Covers(69)



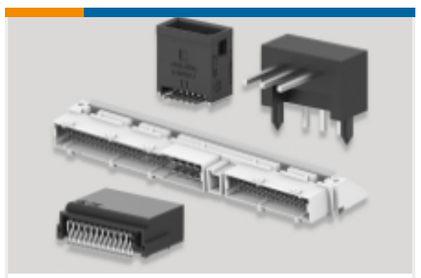
Connector Contacts(8)



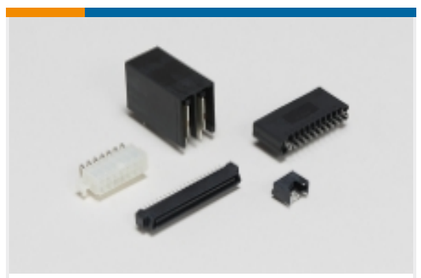
Connector Hardware(1)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(441)

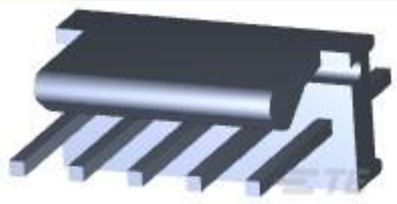


Standard Rectangular Connectors(495)



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

Customers Also Bought



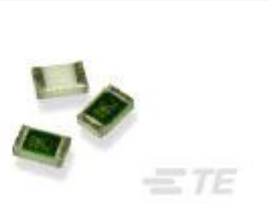
TE Part #640456-5
05P MTA100 HDR ASSY F/L SQ STR



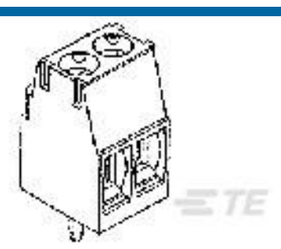
TE Part #1-640445-4
14P MTA156 HDR ASSY FL/STR SN



TE Part #1825058-1
ADE02S04=DIP SWTCH,EXT,SMT-GW



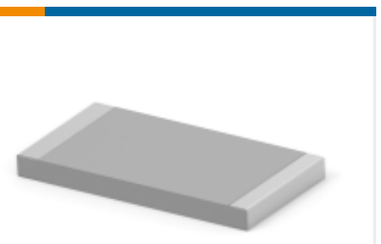
TE Part #1879208-1
CPF 0402 10R 0.1% 25PPM 1K RL



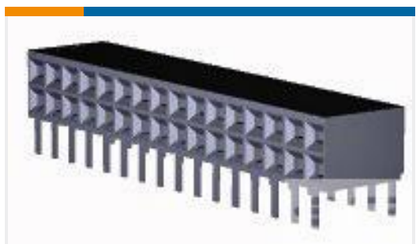
TE Part #1-284392-2
TERMI-BLOK PCB SIDE ENTRY STAC



TE Part #640387-9
09P MTA156 HDR ASSY SQ R/A



TE Part #2-2176331-1
CRGP 2512 470R 1%



TE Part #2-5535512-3
32 MODII HORZ DR CE EESS .100

Documents

Product Drawings

19P MTA100 HDR ASSY F/L SQ STR

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-640456-9_AA.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-640456-9_AA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-640456-9_AA.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL

English

UL

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

CRGCQ2010J3K3 1-794222-0 1743455-2 3430B2F51RTDF 3631B101LL 650075-000 U5254-000005-030PA 1969656-1 SBCHE64R7K 1393431-1 MPT100C18RF RH73H2A40MKTN ROX05SJ18R 1-962915-1 2380312-2 2834055-1 SMW73R0JT TE50BR39J 141991-2 175977-2 2-292161-3 2310537-1 3-1393225-0 1903112-2 917696-1 936348-1 CPF0402B37K4E1 SBCHE154R7K 2005330-1 2377783-2