3-647609-5 ✔ ACTIVE

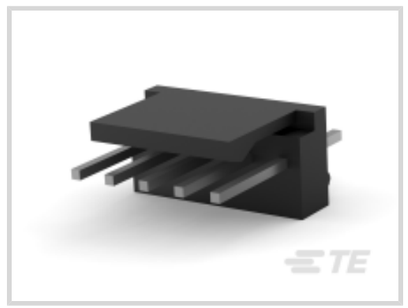
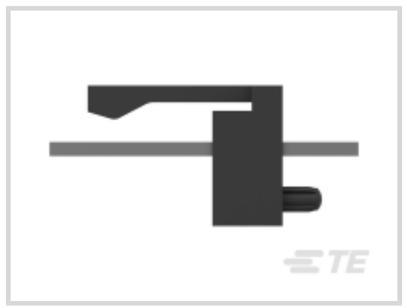
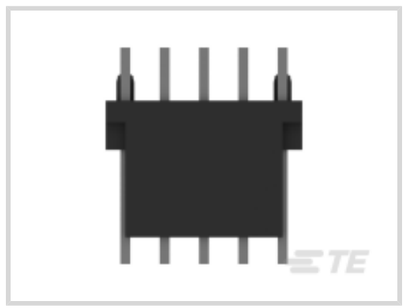
MTA 100

TE Internal #: 3-647609-5

PCB Mount Header, Vertical, Wire-to-Board, 5 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



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

Number of Positions: **5**

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	5
Number of Rows	1
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Primary Product Color	Black

Contact Features

Contact Mating Area Length	7.37 mm[.29 in]
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	3.81 – 6.3 µm[150 – 250 µin]
Contact Layout	Inline
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	3.81 – 6.3 µm[150 – 250 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	3.43 mm[.135 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Housing Material	Polyester - GF
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Connector Height	8.81 mm[.34 in]
PCB Thickness (Recommended)	1.57 mm[.062 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	500
Packaging Method	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 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 240°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-PLSCC
Polyester PCB Connector Covers: 2.54 mm, MTA 100



TE Part # 1375820-5
CST-100 II HOUSING 5 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)



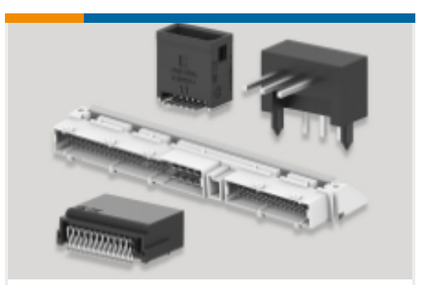
Connector Contacts(8)



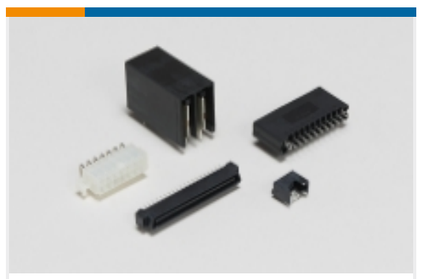
Connector Hardware(1)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(441)

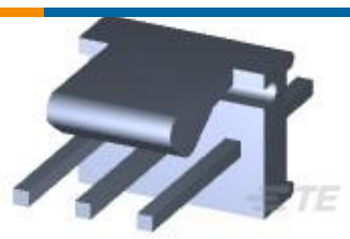


Standard Rectangular Connectors(495)



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

Customers Also Bought



TE Part #640456-3
03P MTA100 HDR ASSY F/L SQ STR



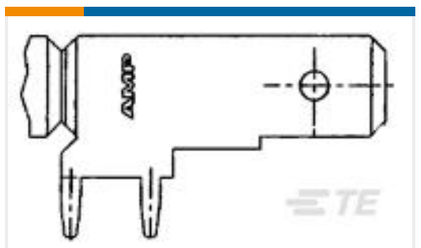
TE Part #640445-6
06P MTA156 HDR ASSY FL/STR SN



TE Part #1971845-3
3P, RAST 5 Tab Header, THV



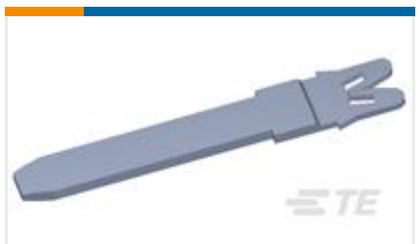
TE Part #4-644615-1
11P MTA156 POL HDR ASSY LF



TE Part #1217754-1
250 FASTON,FLAG,PCB TAB,TNBR



TE Part #1969352-2
ASSY DIN R/A RAST5 HDR 02-A, G



TE Part #1601097-3
TAB,2.79X0.81,STD,SMZ



TE Part #1-1415543-7
RT115524



TE Part #2323803-1
SSR-ACC-TH-001 = Thermal pad 1 phase

TE Part #1-1721260-3
OJ-SS-112LMH2,000T0

Documents

Product Drawings

05P MTA100 HDR ASSY F/L LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-647609-5_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-647609-5_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-647609-5_D.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

Product Specification

English

Agency Approvals

Agency Approval Document

English

Unikeyic Electronics

Global Electronic Components Distributor

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

TE Connectivity:

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