644968-2 ✔ ACTIVE

MTA 156

TE Internal #: 644968-2

PCB Mount Header, Vertical, Wire-to-Board, 8 Position, 3.96 mm [.156 in] Centerline, Unshrouded, Tin (Sn), Through Hole - Solder, Power, MTA 156

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Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **8**

Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

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

Configuration Features

Number of Columns	8
Number of Loaded Positions	7
PCB Mount Orientation	Vertical
Number of Positions	8
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Mating Square Post Dimension	1.14 mm[.045 in]
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	10.16 mm[.4 in]
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	2.54 µm[100 µin]
Contact Type	Pin
Contact Current Rating (Max)	7 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

Termination Post & Tail Length	3.18 mm[.125 in]
Square Termination Post & Tail Dimension	1.14 mm[.045 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	3.96 mm[.156 in]

Housing Material	Polyester GF

Dimensions

Connector Width	6.35 mm[.25 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	13.34 mm[.525 in]
Connector Length	31.7 mm[1.248 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

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	750
Packaging Method	Package

Other

Position Locations Omitted	5
Number of Blocked Positions	1

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

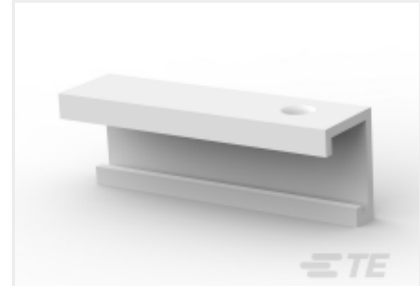
Compatible Parts



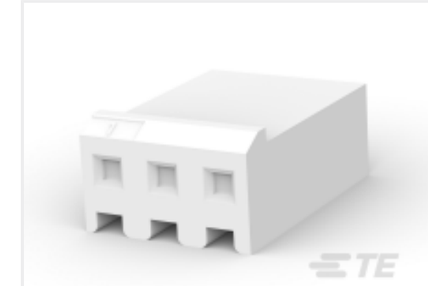
TE Part # 643071-8
08P MTA156 FD-THRU COVER



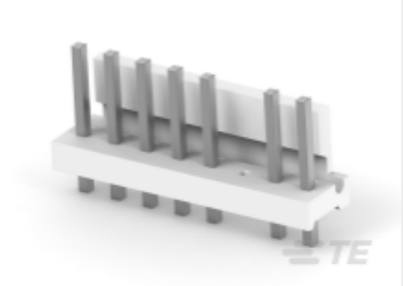
TE Part # 643067-8
08P MTA156 MOLDED COVER



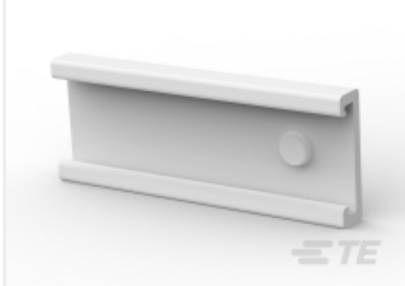
TE Part # 640551-8
08P MTA156 COVER



TE Part # CAT-103156-WBHSM
Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156



TE Part # 641922-2
08P MTA156 HDR ASSY STR W/O#3



TE Part # 640643-8
08P MTA156 COVER F/T

Also in the Series | MTA 156



Connector Caps & Covers(89)



Connector Contacts(4)



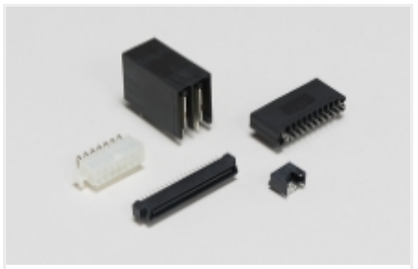
Connector Hardware(2)



Power Contacts(3)



Rectangular Power Connectors(1178)

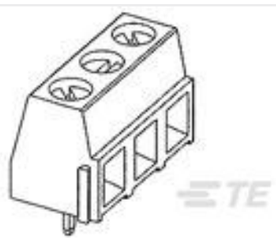


Standard Rectangular Connectors(667)

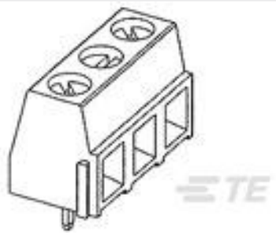


Wire-to-Board Connector Assemblies & Housings(594)

Customers Also Bought



TE Part #282836-3
TERMI-BLOK PCB MOUNT 90 3P.



TE Part #282836-5
TERMI-BLOK PCB MOUNT 90 5P.



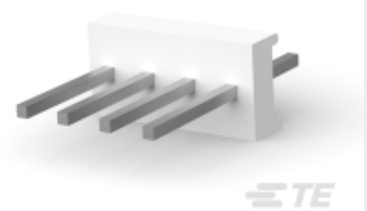
TE Part #640383-2
02P MTA156 HDR ASSY STR SQ SN



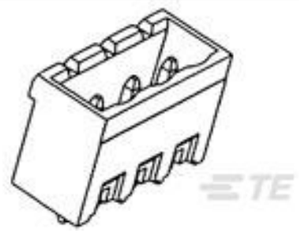
TE Part #640383-6
06P MTA156 HDR ASSY STR SQ SN



TE Part #1-640383-7
17P MTA156 HDR ASSY STR SQ SN



TE Part #CAT-104MTA-PVUNH
PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment



TE Part #796636-4
4POS 5.08MM CE VRT HDR,TRM BLK



TE Part #1-1462037-6
IM03JR=IM RELAY 140mW 5V



TE Part #5555167-1
MJ,LPF,R/A,8P/8C,KEYED,BULK P

Documents

Product Drawings

08P MTA156 HDR ASSY W/O#5 SN

English

CAD Files

Customer View Model

ENG_CVM_CVM_644968-2_E.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_644968-2_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_644968-2_E.3d_stp.zip

English

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Product Specifications

Application Specification

English