



MTA 156

TE Internal #: 647581-8
PCB Mount Header, Vertical, Wire-to-Board, 8 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, Power, MTA 156

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Wire-to-Board**
Number of Positions: **8**
Number of Rows: **1**

Features

Electrical Characteristics

Operating Voltage	600 VAC
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Dimensions

Connector Width	7.62 mm[.3 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	10.79 mm[.425 in]
Connector Length	31.7 mm[1.248 in]

Packaging Features

Packaging Quantity	500
Packaging Method	Package

Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Usage Conditions

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

Mechanical Attachment

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

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

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Size	1.14mm
Contact Mating Area Plating Material Thickness	2.54 µm[100 µin]
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
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	14.24 A

Housing Features

Mating Entry Location	Top
Housing Material	Thermoplastic Polyester - Glass-Filled
Centerline (Pitch)	3.96 mm[.156 in]



Configuration Features

Number of Columns	8
Number of Loaded Positions	8
Number of Power Positions	8
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	8
Number of Rows	1

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
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

Body Features

Primary Product Color	Natural
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Operation/Application

Circuit Application	Power
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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	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Wave solder capable to 265°C
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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 # 643710-7 14P MTA156 HDR ASSY FL SN WO#5	 TE Part # 1-641938-1 08P MTA156 HDR ASSY STR F/L W/	 TE Part # 643569-1 06P MTA156 HDR ASSY W/O#2,5	 TE Part # 640551-8 08P MTA156 COVER
 TE Part # 643071-8 08P MTA156 FD-THRU COVER	 TE Part # 644168-1 09P MTA156 HDR W/LCK W/O#7	 TE Part # 644969-3 05P MTA156 HDR ASSY W/O#2	 TE Part # 643067-8 08P MTA156 MOLDED COVER
 TE Part # 1744194-8 08P MTA156 HDR ASSY FL/STR SN	 TE Part # 1744168-2 06P MTA156 HDR ASSY STR W/O2	 TE Part # 640643-8 08P MTA156 COVER F/T	 TE Part # 643495-1 05P MTA156 HDR ASSY W/O#4





TE Part # 643704-8
11P MTA156 HDR ASY FL/STR,OMIT




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

Also in the Series | MTA 156




Connector Caps & Covers(89)



Connector Contacts(4)




Connector Hardware(2)




Power Contacts(3)



Rectangular Power Connectors(331)



Standard Rectangular Connectors(336)



Wire-to-Board Headers & Receptacles (677)

Customers Also Bought



TE Part #CAT-104MTA-NTPMR
Nylon Tin Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100



TE Part #147969-4
18/19 MTE HDR SRST LTCH .100CL



TE Part #4-1437644-9
J6-3=J6-XX JUMPER



TE Part #644971-2
08P MTA156 HDR ASSY W/O#6 F/L



TE Part #2063778-2
SDE COMMERCIAL DIE



TE Part #1-103639-3
14 MTE HDR SRST LATCH .100CL



TE Part #1-103669-3
14 MTE HDR SRST LATCH W/HLDWN



TE Part #643569-4
06P MTA156 HDR ASSY W/O#5



Documents

Product Drawings

08P MTA156 HDR ASSY FL/VRT SN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_647581-8_D_c-647581-8-d.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_647581-8_D_c-647581-8-d.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_647581-8_D_c-647581-8-d.3d_stp.zip

English

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Product Specifications

Product Specification

English

Agency Approvals

Agency Approval Document

English