



MTA 156

TE Internal #: 2-647123-9

PCB Mount Header, Vertical, Wire-to-Board, 9 Position, 3.96 mm [.156 in] Centerline, Fully Shrouded, 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: **9**

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

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Connector Contact Load Condition	Fully Loaded
Number of Columns	9
Number of Loaded Positions	9
PCB Mount Orientation	Vertical
Number of Positions	9



Number of Rows	1
Number of Power Positions	9

Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Connector Profile	Standard
Primary Product Color	Black

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 μm[50 μin]
Contact Size	1.14mm
Mating Square Post Dimension	1.14 mm[.045 in]
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material Thickness	3.81 – 8.89 μm[150 – 350 μin]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	7.62 mm[.3 in]
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	3.81 – 8.89 μm[150 – 350 μin]
Contact Type	Tab
Contact Current Rating (Max)	14.24 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

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

Mechanical Attachment

Panel Mount Feature	Without
Mating Alignment Type	Polarization
Mating Retention Type	Latch Detent



PCB Mount Alignment	Without
Mating Retention	With
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

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

Dimensions

Connector Width	11.56 mm[.455 in]
Connector Height	13.34 mm[.525 in]
Connector Length	38.05 mm[1.498 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power
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Industry Standards

Compatible With Agency/Standards Products	CSA, UL
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
Glow Wire Rating	Standard Part - Not Glow Wire
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
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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 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 # 3-640605-9 09P MTA156 CONN ASSY 20AWG LF	 TE Part # 3-640427-9 09P MTA156 CONN ASSY 20AWG YEL	 TE Part # 3-640606-9 09P MTA156 CONN ASSY 22AWG LF	 TE Part # 3-644860-9 09P MTA156 CONN ASSY 18AWG LF
 TE Part # 3-640599-9 09P MTA156 CONN ASSY 18AWG ORA	 TE Part # 640643-9 09P MTA156 COVER F/T	 TE Part # 3-640433-9 09P MTA156 CONN ASSY 22AWG RED	 TE Part # 3-643820-9 09P MTA156 CONN ASSY 24AWG LF



TE Part # 3-640601-9
09P MTA156 CONN ASSY 22AWG LF

TE Part # 3-640430-9
09P MTA156 CONN ASSY 26AWG BLU

TE Part # 643071-9
09P MTA156 FD-THRU COVER

TE Part # 3-643819-9
09P MTA156 CONN ASSY 22AWG RED

TE Part # 3-643818-9
09P MTA156 CONN ASSY 20AWG YEL

TE Part # 3-640428-9
09P MTA156 CONN ASSY 22AWG RED

TE Part # 3-644466-9
09P MTA156 CONN ASSY 20AWG YEL

TE Part # 3-644467-9
09P MTA156 CONN ASSY 22AWG LF

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

TE Part # 3-640431-9
09P MTA156 CONN ASSY 18AWG ORA

TE Part # 3-640604-9
09P MTA156 CONN ASSY 18AWG LF

TE Part # 3-643817-9
09P MTA156 CONN ASSY 18AWG LF

Also in the Series | MTA 156

Connector Caps & Covers(89)

Connector Contacts(4)

Connector Hardware(2)

Insertion & Extraction Tools(1)

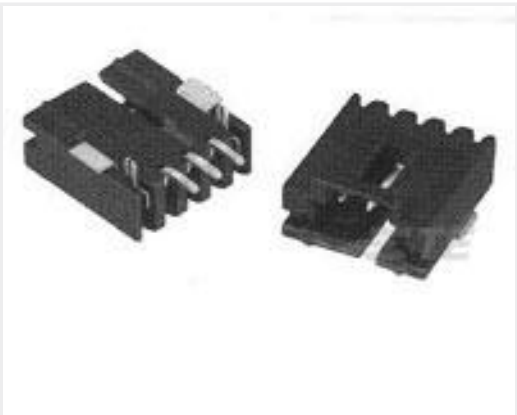
PCB Headers & Receptacles(677)

Power Contacts(3)

Rectangular Power Connectors(1178)

Wire-to-Board Headers & Receptacles (677)

Customers Also Bought



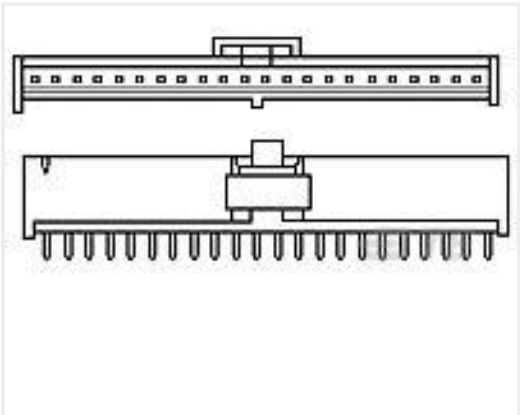
TE Part #5-147323-5
06 MTE HDR SRRA SMT.100CL



TE Part #1-1571999-2
ADP05S04=PIANO DIP SWITCH



TE Part #1825136-1
A101K1V30B04



TE Part #1-1888291-9
FPH-1321G=FLXPAC HDR P 13 ST LF



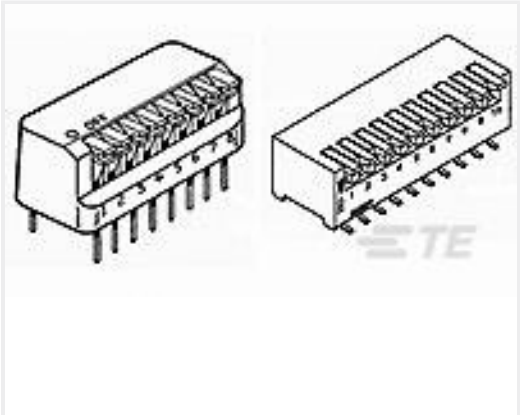
TE Part #5750327-2
Mini DIN, 6 pos, Vertical, Unshielded



TE Part #745074-2
37 PLUG SP/AP SCRLK



TE Part #104362-7
08 MTE HDR SRST LATCH W/HLDWN



TE Part #435802-2
RIGHT ANGLE DIP SW 3P AU



TE Part #2-1393771-2
JWD-172-155=REED RELAYS

Documents

Product Drawings

09P MTA156 SHRD HDR ASSY SQ SN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-647123-9_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-647123-9_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-647123-9_D.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications



Application Specification

English