



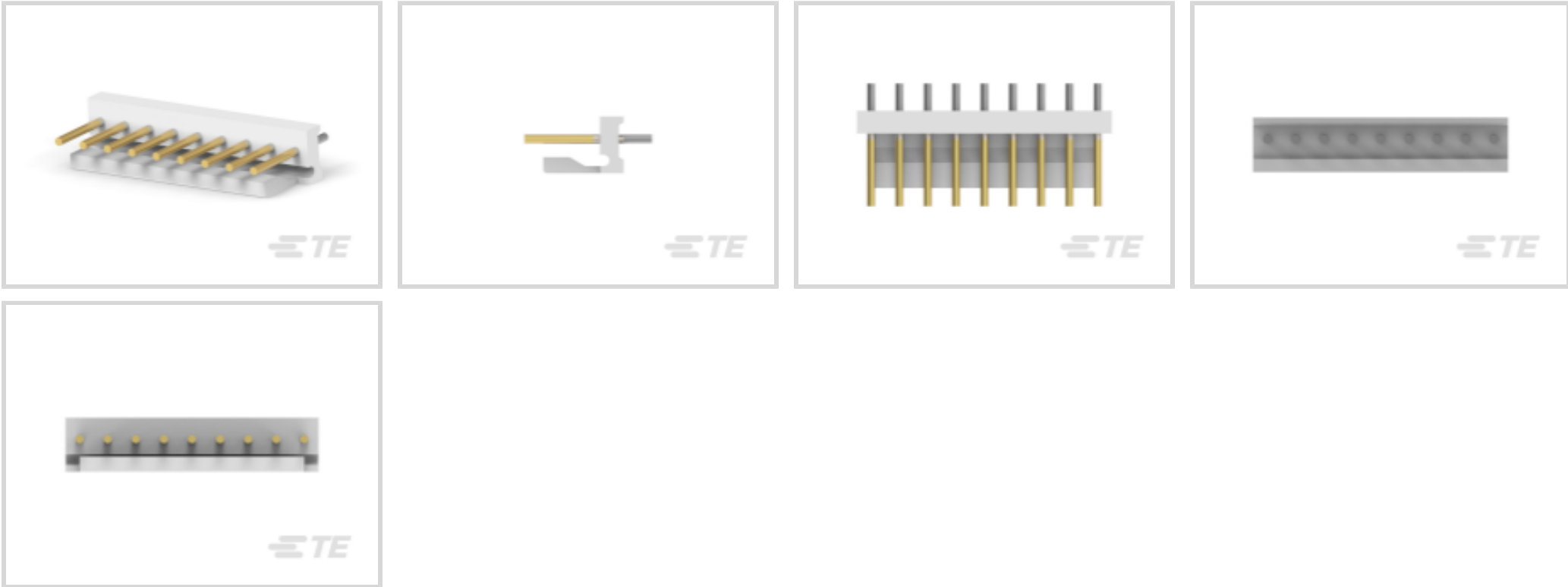
MTA 156

TE Internal #: 3-641209-9

PCB Mount Header, Vertical, Wire-to-Board, 9 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Gold, Through Hole - Solder, Power, MTA 156

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



Connector System: **Wire-to-Board**
Number of Positions: **9**
Number of Rows: **1**
Centerline (Pitch): **3.96 mm [.156 in]**
PCB Mount Orientation: **Vertical**

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	9
Number of Rows	1
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Mating Area Length	10.16 mm[.4 in]
PCB Contact Termination Area Plating Material Thickness	3.81 - 8.89 µm[150 - 350 µin]
Contact Layout	Inline
Mating Pin Diameter	1.14 mm[.045 in]
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	.76 µm[29.92 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Round
Contact Mating Area Plating Material Finish	Bright
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold
Contact Type	Pin
Contact Current Rating (Max)	7 A

Termination Features

Round Termination Post & Tail Diameter	1.14 mm[.045 in]
Termination Post & Tail Length	3.18 mm[.125 in]
Termination Method to Printed Circuit Board	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)	3.96 mm[.156 in]

Dimensions



Connector Length	27.74 mm[1.092 in]
Connector Height	10.8 mm[.425 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

Usage Conditions

Operating Temperature Range	-55 - 105 °C[-67 - 221 °F]
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Operation/Application

Circuit Application	Power
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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	2000
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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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 # CAT-103156-WBHSM Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156	 TE Part # 640251-9 09P SL156 HSG W/O LCK RAMP	 TE Part # 640551-9 09P MTA156 COVER	 TE Part # 643067-9 09P MTA156 MOLDED COVER
 TE Part # 643071-9 09P MTA156 FD-THRU COVER	 TE Part # 640643-9 09P MTA156 COVER F/T	 TE Part # 3-641217-9 09P MTA156 CONN ASSY 18AWG ORA	 TE Part # 3-644460-9 09P MTA156 CONN ASSY 18AWG ORA
 TE Part # 3-641218-9 09P MTA156 CONN ASSY 20AWG LF	 TE Part # 3-641220-9 09P MTA156 CONN ASSY 24AWG LF	 TE Part # 3-641227-9 09P MTA156 CONN ASSY 18AWG LF	 TE Part # 3-641229-9 09P MTA156 CONN ASSY 22AWG LF
 TE Part # 3-644662-9 09P MTA156 CONN ASSY 22AWG LF	 TE Part # 3-644663-9 09P MTA156 CONN ASSY 20AWG LF	 TE Part # 3-644718-9 09P MTA156 CONN ASSY 18AWG ORA	

Also in the Series | MTA 156



Connector Caps & Covers(89)

Connector Contacts(4)

Connector Hardware(2)

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(314)

Rectangular Power Connectors(691)

Standard Rectangular Connectors(336)

Customers Also Bought

TE Part # 4-641215-4
PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment

TE Part # 4-644042-0
10P MTA100 CONN ASSYLF

TE Part # 3-641120-2
02P MTA156 HDR ASSY FL/ST LF

TE Part # 3-641209-7
07P MTA156 HDR ASSY FL ST LF

TE Part # 4-641120-0
10P MTA156 HDR ASSY FL/ST LF

TE Part # CA-1173
300 COMBINED PULSER MKII

Documents

Product Drawings

09P MTA156 HDR ASSY FL ST LF

English

CAD Files

Customer View Model

ENG_CVM_CVM_3-641209-9_AE.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_3-641209-9_AE.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-641209-9_AE.3d_stp.zip](#)

English

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[Product Specifications](#)

[Application Specification](#)

English