

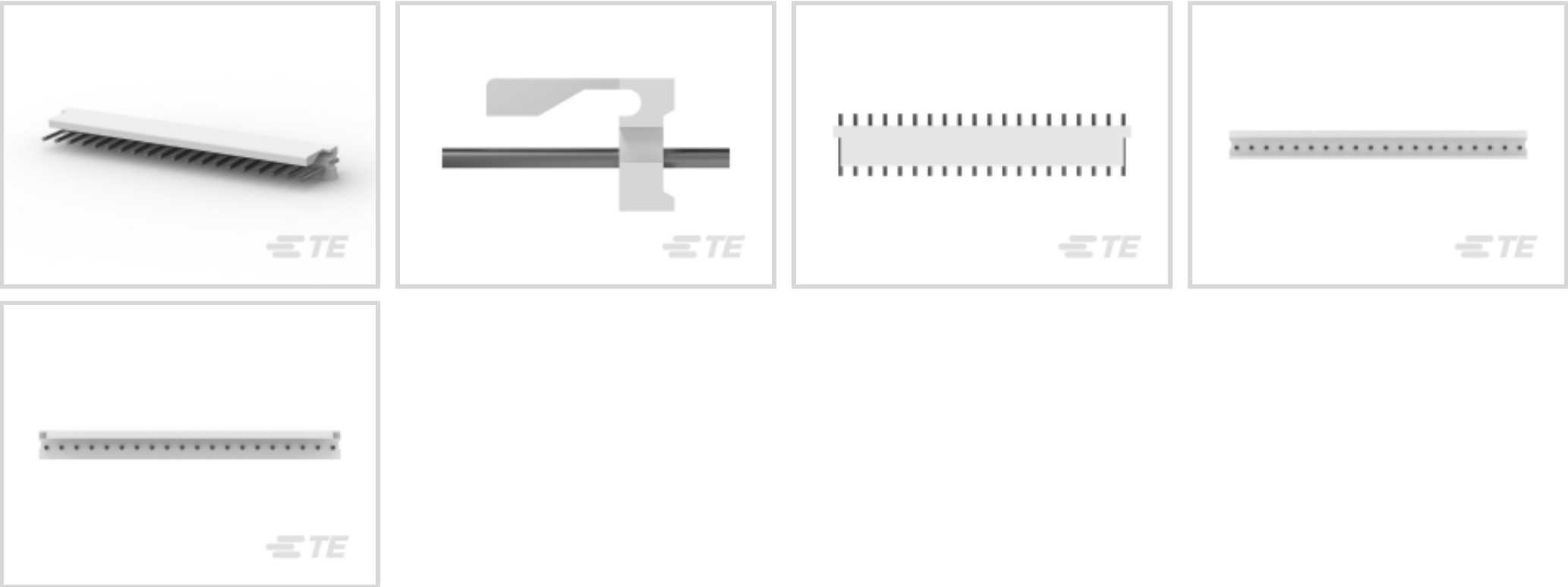


MTA 156

TE Internal #: 2-640388-0
PCB Mount Header, Vertical, Wire-to-Board, 20 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin (Sn), Through Hole - Solder, MTA 156

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Wire-to-Board**
Number of Positions: **20**
Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

Number of Columns	20
Number of Loaded Positions	20
Number of Power Positions	20
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical



Number of Positions	20
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Underplating Material	Nickel
Mating Pin Diameter	1.14 mm[.045 in]
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Size	1.14mm
Contact Mating Area Plating Material Thickness	2.54 µm[100 µin]
Contact Shape & Form	Round
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
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 (Sn)
Contact Type	Pin
Contact Current Rating (Max)	14.24 A

Termination Features

Termination Post & Tail Diameter	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 Retention Type	Friction Lock
Mating Retention	With
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount



Mating Alignment	Without
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Housing Features

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

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	79.25 mm[3.12 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	250
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 2025 (247)



Candidate List Declared Against: JAN 2025
(247)
Does not contain REACH SVHC

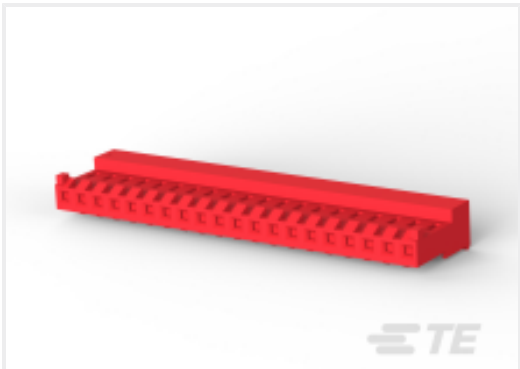
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Wave solder capable to 265°C
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Product Compliance Disclaimer

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 # 2-640551-0 20P MTA156 COVER	 TE Part # 5-640426-0 20P MTA156 CONN ASSY 18AWG ORA	 TE Part # 5-640599-0 20P MTA156 CONN ASSY 18AWG ORA	 TE Part # 2-640643-0 20P MTA156 COVER F/T
 TE Part # 5-643819-0 20P MTA156 CONN ASSY 22AWG LF	 TE Part # 2-643071-0 20P MTA156 FD-THRU COVER	 TE Part # 5-643817-0 20P MTA156 CONN ASSY 18AWG LF	 TE Part # 5-640428-0 20P MTA156 CONN ASSY 22AWG RED
 TE Part # CAT-103156-WBHSM Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156	 TE Part # 5-640602-0 20P MTA156 CONN ASSY 24AWG LF	 TE Part # 2-640251-0 20P SL156 HSG W/O LCK RAMP	 TE Part # 2-643067-0 20P MTA156 MOLDED COVER



Also in the Series | **MTA 156**

Connector Caps & Covers(89)	Connector Contacts(4)	Connector Hardware(2)	PCB Headers & Receptacles(677)
Power Contacts(3)	Rectangular Power Connectors(1178)	Standard Rectangular Connectors(667)	

Customers Also Bought

TE Part #281739-3 HEADER HE14 STRAIGHT 2X3 P	TE Part #2-640445-0 20P MTA156 HDR ASSY FL/STR SN	TE Part #1825232-1 SLIDE SWITCH,SPDT,Right Angle	TE Part #BAT-HLD-001 Hldr fr CR2032 Batteries, SMT, Blk Pkg
TE Part #6-2176562-6 3430 H2 1% 470R 100ppm 1k RL	TE Part #641994-1 MTA100 KEYING PLUG W/	TE Part #1879513-1 CRGH1206 1% 10R 0.5W	TE Part #9-1879515-1 CRGH1206 1% 10K 0.5W
TE Part #1-111382-4 10 DIP PLUG, LEAD FREE	TE Part #T4171310505-002 M12,FRONT MOUNTING,FEMALE,D, 5P,0.5M WIRE		



Documents

Product Drawings

20P MTA156 HDR ASSY RN STR F/L

English

CAD Files

Customer View Model

ENG_CVM_CVM_2-640388-0_AD.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-640388-0_AD.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-640388-0_AD.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English