



MTA 156

TE Internal #: 1-640384-5
PCB Mount Header, Vertical, Wire-to-Board, 15 Position, 3.96 mm [.156 in] Centerline, Unshrouded, Tin, Through Hole - Solder, Power, Natural, MTA 156

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Connectors > PCB Connectors > PCB Headers & Receptacles



Connector System: **Wire-to-Board**
Number of Positions: **15**
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	Unshrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
PCB Connector Assembly Type	PCB Mount Header

Configuration Features

Number of Columns	15
Number of Positions	15
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	2.54 µm[100 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	2.54 µm[100 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Round
Contact Mating Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
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 Retention	Without
Panel Mount Feature	Without
Connector Mounting Type	Board Mount
Mating Alignment	Without
PCB Mount Alignment	Without
PCB Mount Retention	Without

Housing Features

Housing Material	Polyester - GF
Centerline (Pitch)	3.96 mm[.156 in]

Dimensions

Connector Length	59.44 mm[2.34 in]
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Connector Height	13.33 mm[.525 in]
Connector Width	6.35 mm[.25 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

Agency/Standard	CSA, UL
Approved Standards	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	500
Packaging Type	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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

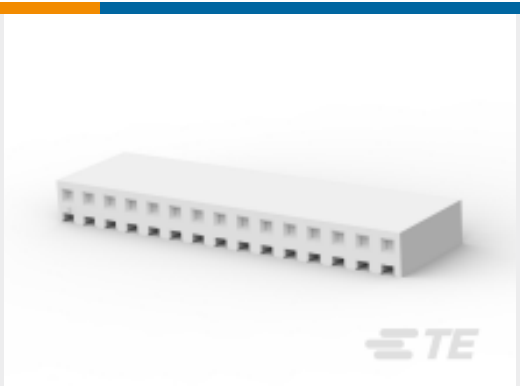
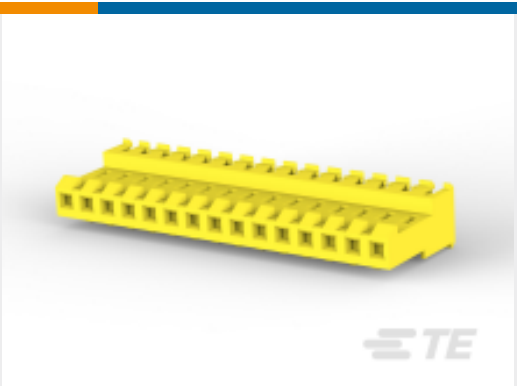
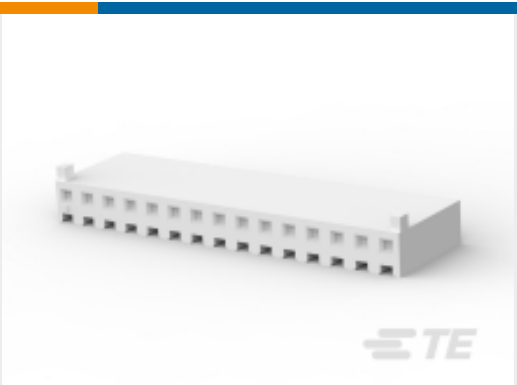
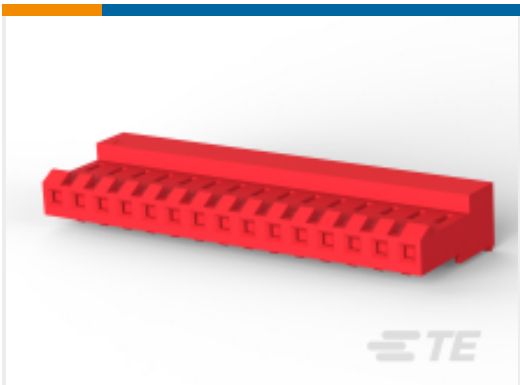
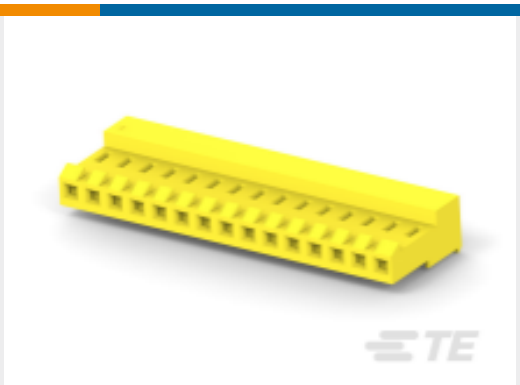
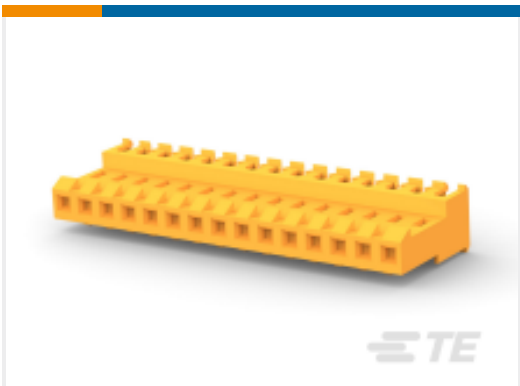
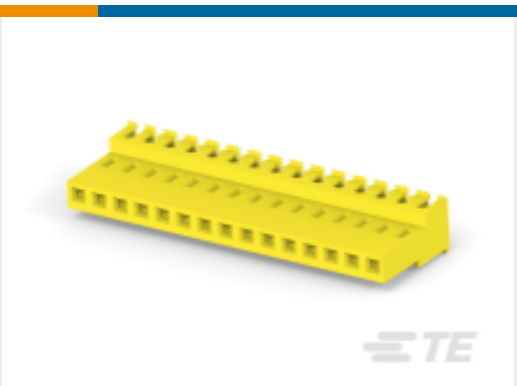
Product Compliance Disclaimer

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 # 1-643067-5 15P MTA156 MOLDED COVER	 TE Part # 1-640251-5 15P SL156 HSG W/O LCK RAMP	 TE Part # 4-640600-5 15P MTA156 CONN ASSY 20AWG LF
 TE Part # 1-643071-5 15P 156 CL MTA FD/TH COVER	 TE Part # 4-640426-5 15P MTA156 CONN ASSY 18AWG ORA	 TE Part # 1-640551-5 15P MTA156 COVER	 TE Part # 1-770996-5 15P SL 156 HSG W/TABS W/O LR
 TE Part # 4-640428-5 15P MTA156 CONN ASSY 22AWG RED	 TE Part # 4-643819-5 15P MTA156 CONN ASSY 22AWG LF	 TE Part # 4-640427-5 15P MTA156 CONN ASSY 20AWG YEL	 TE Part # 1-640643-5 15P MTA156 COVER F/T
 TE Part # 4-640599-5 15P MTA156 CONN ASSY 18AWG ORA	 TE Part # 4-640601-5 15P MTA156 CONN ASSY 22AWG LF	 TE Part # 4-640602-5 15P MTA156 CONN ASSY 24AWG LF	 TE Part # 4-640605-5 15P MTA156 CONN ASSY 20AWG LF



TE Part # 4-643817-5
15P MTA156 CONN ASSY 18AWG
ORA

Also in the Series | MTA 156

Connector Caps & Covers(88)

Insertion & Extraction Tools(1)

PCB Connector Keying(2)

PCB Connector Mounting(1)

PCB Headers & Receptacles(314)

Power Contacts(2)

Rectangular Power Connectors(694)

Standard Rectangular Connectors(336)

Wire-to-Board Connector Contacts(2)

Customers Also Bought

TE Part #208945-8
SZ 28 UNASSM KIT,CMC

TE Part #1-1469492-3
MULTIGIG RT 9MM GUIDE/ESD 90
DEG

TE Part #1-1469492-2
MULTIGIG RT 9MM GUIDE/ESD 45
DEG

TE Part #1-640384-2
12P MTA156 HDR ASSY STR RND SN
DEG



TE Part #3-520370-2
ULTRA-FAST 110/125 ASY REC 16-14AWG TPBR

TE Part #211904-1
CMC DUST CAP ASSM SIZE 28

TE Part #6450863-5
MBXLE VERT RCPT 7ACP

TE Part #208473-1
CMC RECEPTACLE ASSY,SIZE 28

TE Part #324048
TERMINAL,T-N R 6 5/16

Documents

Product Drawings

15P MTA156 HDR ASSY STR RND SN

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-640384-5_AC.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-640384-5_AC.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-640384-5_AC.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

Agency Approvals

Agency Approval Document

English