



MTA 156

TE Internal #: 4-647615-2

PCB Mount Header, Vertical, Wire-to-Board, 12 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



Connector System: **Wire-to-Board**
Number of Positions: **12**
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 Columns	12
Number of Positions	12
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

Mating Square Post Dimension	1.14 mm[.045 in]
PCB Contact Termination Area Plating Material Thickness	3.81 – 8.89 µm[150 – 350 µin]
Contact Layout	Inline
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	3.81 µm[150 µin]
PCB Contact Termination Area Plating Material Finish	Matte
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

Square Termination Post & Tail Dimension	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

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

Housing Features

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

Dimensions

Connector Length	47.42 mm[1.867 in]
Connector Height	14.6 mm[.575 in]



Connector Width	10.8 mm[.425 in]
PCB Thickness (Recommended)	1.57 mm[.062 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

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	500
Packaging Type	Package

Product Compliance

For compliance documentation, visit the product page on TE.com>

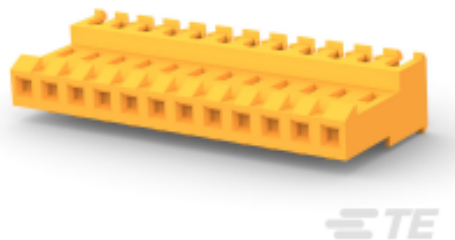
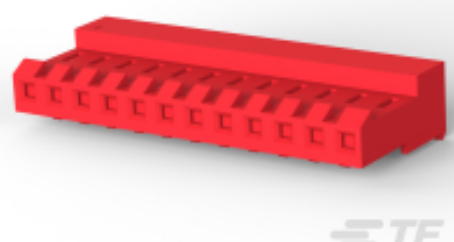
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) Does not 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>



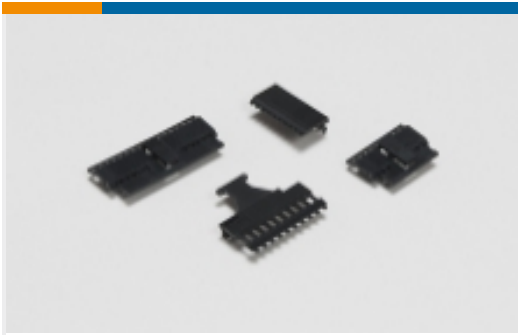
Compatible Parts

 <p>TE Part # CAT-103156-WBHSM Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156</p>	 <p>TE Part # 1-640251-2 12P SL156 HSG W/O LCK RAMP</p>	 <p>TE Part # 4-640427-2 12P MTA156 CONN ASSY 20AWG YEL</p>	 <p>TE Part # 4-643818-2 12P MTA156 CONN ASSY 20AWG YEL</p>
 <p>TE Part # 4-640431-2 12P MTA156 CONN ASSY 18AWG ORA</p>	 <p>TE Part # 4-640426-2 12P MTA156 CONN ASSY 18AWG ORA</p>	 <p>TE Part # 1-640551-2 12P MTA156 COVER</p>	 <p>TE Part # 4-643819-2 12P MTA156 CONN ASSY 22AWG LF</p>
 <p>TE Part # 4-640599-2 12P MTA156 CONN ASSY 18AWG ORA</p>	 <p>TE Part # 4-644615-1 11P MTA156 POL HDR ASSY LF</p>	 <p>TE Part # 1-643067-2 12P MTA156 MOLDED COVER</p>	 <p>TE Part # 1-643071-2 12P MTA156 FD-THRU COVER</p>
 <p>TE Part # 4-640429-2 12P MTA156 CONN ASSY 24AWG WHT</p>	 <p>TE Part # 4-640601-2 12P MTA156 CONN ASSY 22AWG LF</p>	 <p>TE Part # 4-644463-2 12P MTA156 CONN ASSY 22AWG RED</p>	 <p>TE Part # 4-640600-2 12P MTA156 CONN ASSY 20AWG LF</p>
 <p>TE Part # 4-644465-2 12P MTA156 CONN ASSY 18AWG ORA</p>	 <p>TE Part # 3-644611-3 03P MTA156 HDR POL WO PEGS LF</p>	 <p>TE Part # 4-640432-2 12P MTA156 CONN ASSY 20AWG YEL</p>	 <p>TE Part # 4-640428-2 12P MTA156 CONN ASSY 22AWG RED</p>

Also in the Series | MTA 156



Insertion & Extraction Tools(1)



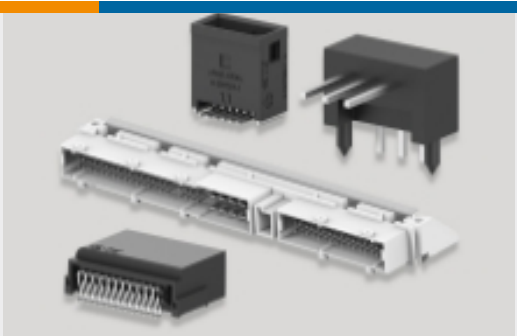
PCB Connector Covers(88)



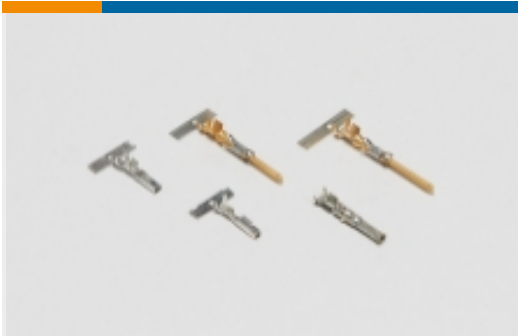
PCB Connector Keying(2)



PCB Connector Mounting(1)



PCB Headers & Receptacles(314)



Power Contacts(2)



Rectangular Power Connectors(698)

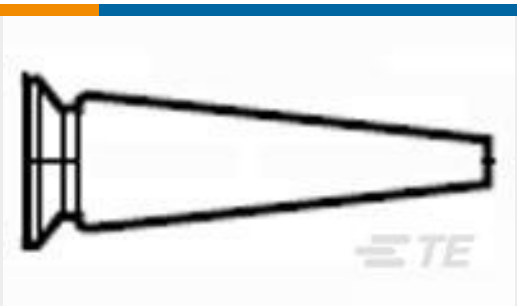


Standard Rectangular Connectors(337)



Wire-to-Board Connector Contacts(2)

Customers Also Bought



TE Part #640254-1
KEYING PLUG .045 SQ PST CONN



TE Part #7-2176407-7
3560 3R3 5%



TE Part #3-2176326-7
CRGP 0603 10K 1%



TE Part #2334100-2
D-SUB CRIMP MALE 15 POS



TE Part #216833-1
15P.HDP20 REC.ASSY.

Documents



Product Drawings

12P MTA156 POL LOCK HDR ASSY LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-647615-2_O_c-4-647615-2-o.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-647615-2_O_c-4-647615-2-o.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-647615-2_O_c-4-647615-2-o.3d_stp.zip

English

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Product Specifications

Product Specification

English