



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 (Sn), Through Hole - Solder, 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: **12**
Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

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	12
PCB Mount Orientation	Vertical
Number of Positions	12
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
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Matte
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 Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	3.81 µm[150 µin]
Contact Type	Pin
Contact Current Rating (Max)	7 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

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

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Width	10.8 mm[.425 in]
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PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	14.6 mm[.575 in]
Connector Length	47.42 mm[1.867 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 Method	Package

Product Compliance

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

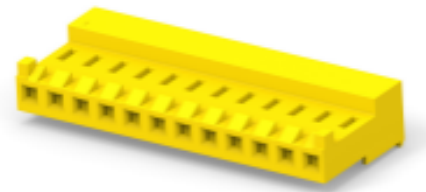
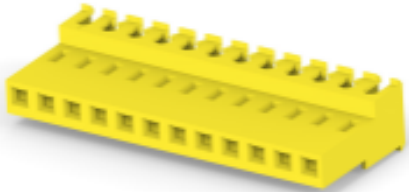
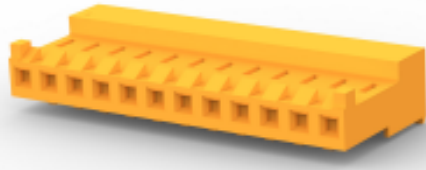
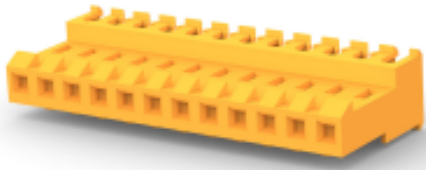
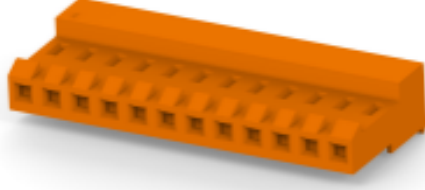
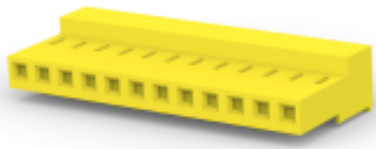
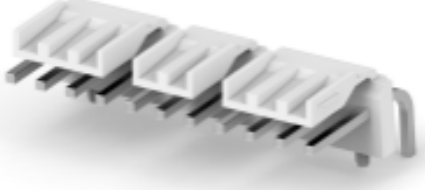
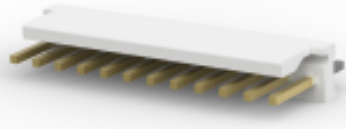
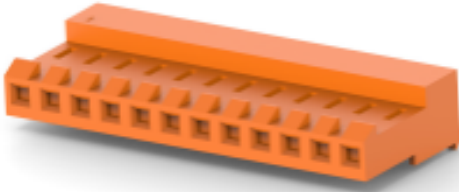
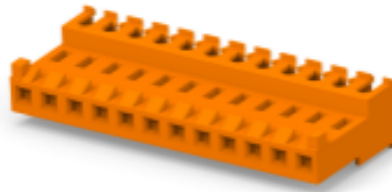
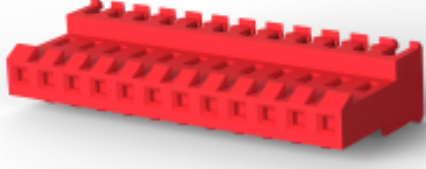
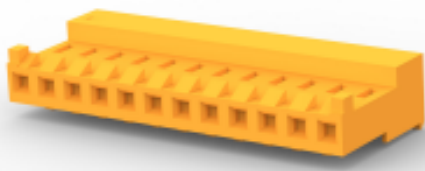
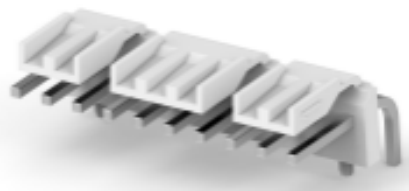
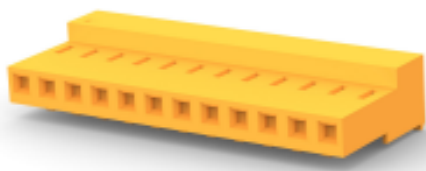
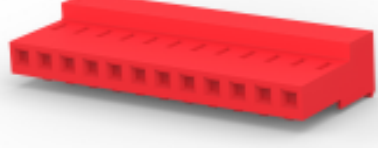
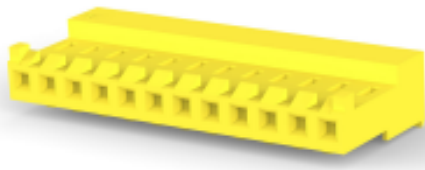
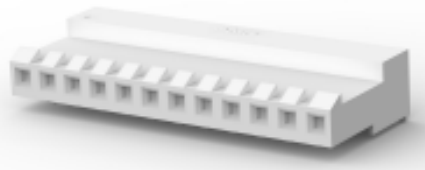
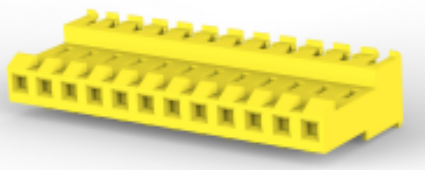
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 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 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 # 4-644663-2 12P MTA156 CONN ASSY 20AWG LF	 TE Part # 4-640605-2 12P MTA156 CONN ASSY 20AWG LF	 TE Part # 4-644460-2 12P MTA156 CONN ASSY 18AWG ORA	 TE Part # 4-640599-2 12P MTA156 CONN ASSY 18AWG ORA
 TE Part # 4-641217-2 12P MTA156 CONN ASSY 18AWG ORA	 TE Part # 4-640432-2 12P MTA156 CONN ASSY 20AWG YEL	 TE Part # 4-644617-1 11P MTA156 HDR ASY PO RA FB LF	 TE Part # 4-644617-8 18P MTA156 HDR ASY PO RA FB LF
 TE Part # 4-644759-2 12P MTA156 HDR ASSY STR LF	 TE Part # 4-641148-2 12P MTA156 ASSY 18AWG ORA LF	 TE Part # 4-647479-2 12P MTA156 CONN ASSY 18AWG ORA	 TE Part # 4-640601-2 12P MTA156 CONN ASSY 22AWG LF ORA
 TE Part # 4-643817-2 12P MTA156 CONN ASSY 18AWG LF	 TE Part # 4-644617-0 10P MTA156 HDR ASY PO RA FB LF	 TE Part # 4-640431-2 12P MTA156 CONN ASSY 18AWG ORA	 TE Part # 4-640433-2 12P MTA156 CONN ASSY 22AWG RED
 TE Part # 4-643818-2 12P MTA156 CONN ASSY 20AWG YEL	 TE Part # 1-640643-2 12P MTA156 COVER F/T	 TE Part # 4-640429-2 12P MTA156 CONN ASSY 24AWG WHT	 TE Part # 4-640600-2 12P MTA156 CONN ASSY 20AWG 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 #360042-1 250 FASTON HSG.,TAB,NATURAL	TE Part #6-641968-1 4P UMNL PIN HDR ASS POL VO BLU	TE Part #4-644615-1 11P MTA156 POL HDR ASSY LF	TE Part #2-1393194-1 T77V1D10-24
TE Part #5-1415020-1 RT134012F	TE Part #CAT-P851-T1 PCB Power Relay: 30 amp, Monostable DC	TE Part #1586039-6 6P VAL-U-LOK VRT HDR W/P V2	TE Part #2-2071448-0 ORWH-SS-124D1F,000

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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Datasheets & Catalog Pages

[ENG_DS_82056_MTA_0818.pdf](#)

English

Product Specifications

[Product Specification](#)

English