



MTA 156

TE Internal #: 4-644615-4
PCB Mount Header, Vertical, Wire-to-Board, 14 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



PCB Connector Assembly Type: **PCB Mount Header**
Connector System: **Wire-to-Board**
Number of Positions: **14**
Number of Rows: **1**
Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

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

Configuration Features

Keying & Polarized Position Locations	4&5, 7&8, 10&11
Number of Power Positions	14
Number of Columns	14
Number of Loaded Positions	14
Connector Contact Load Condition	Fully Loaded
Number of Positions	14



Number of Rows	1
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PCB Mount Orientation	Vertical
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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	11.43 mm[.45 in]
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Contact Size	1.14mm
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Mating Square Post Dimension	1.14 mm[.045 in]
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PCB Contact Termination Area Plating Material Thickness	3.81 – 8.89 µm[150 – 350 µin]
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Contact Layout	Inline
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Contact Underplating Material Thickness	1.27 µm[50 µin]
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Contact Mating Area Plating Material Thickness	3.81 – 8.89 µm[150 – 350 µin]
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PCB Contact Termination Area Plating Material Finish	Matte
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Contact Shape & Form	Square
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Contact Mating Area Plating Material Finish	Matte
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Tin
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Contact Base Material	Copper Alloy
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Contact Mating Area Plating Material	Tin
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Contact Type	Tab
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Contact Current Rating (Max)	14.24 A
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Termination Features

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

PCB Mount Alignment Type	Peg
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Mating Alignment Type	Backwall Interruptions Between Posts
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Mating Retention	With
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Panel Mount Feature	Without
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PCB Mount Retention Type	Tab
Mating Retention Type	Polarized Lock
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With

Housing Features

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

Dimensions

Connector Length	55.35 mm[2.179 in]
Connector Height	13.84 mm[.545 in]
Connector Width	10.79 mm[.425 in]
PCB Thickness (Recommended)	1.57 mm[.062 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

UL Rating	Recognized
Glow Wire Rating	Standard Part - Not Glow Wire
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	400
Packaging Method	Bag

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

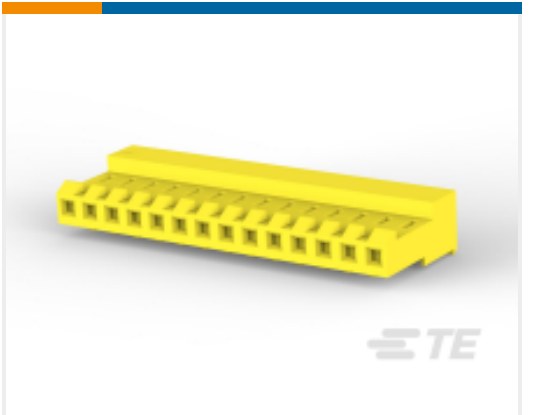
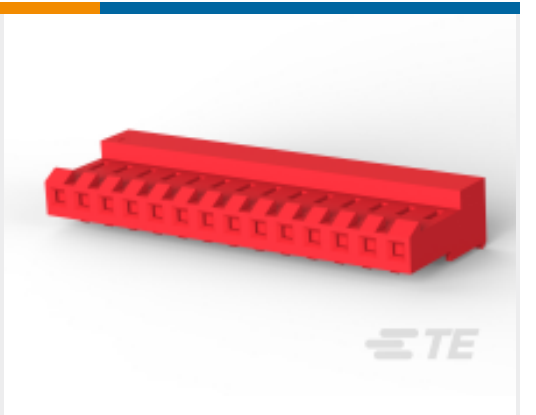


EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

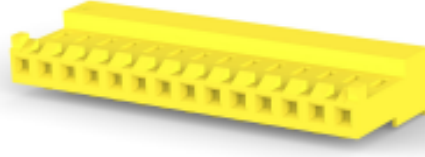
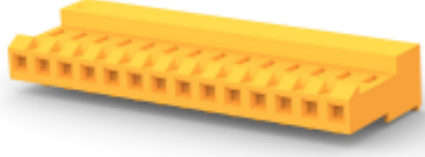
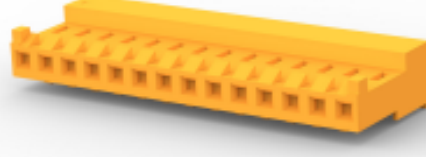
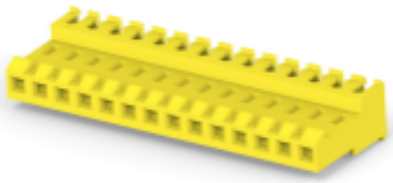
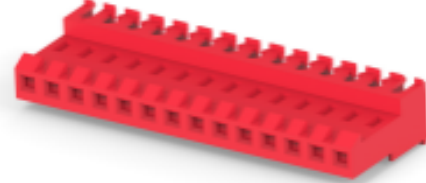
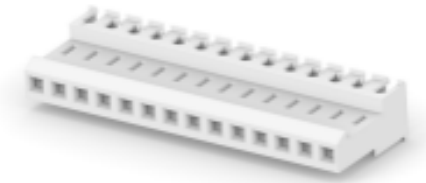
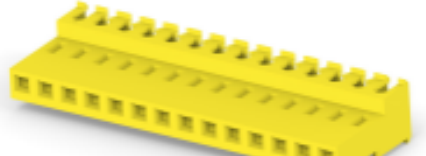
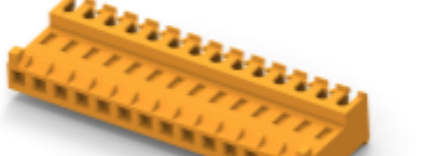
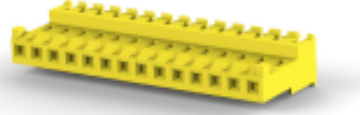
Product Compliance Disclaimer

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>

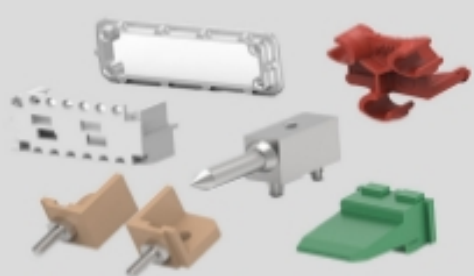
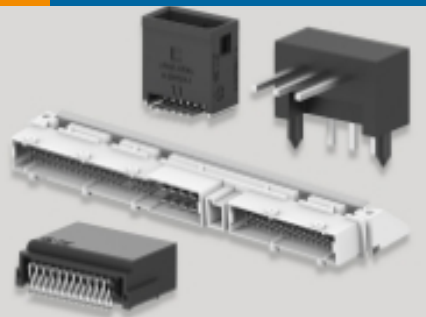
Compatible Parts

 TE Part # CAT-103156-WBHSM Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156	 TE Part # CAT-103156-WBHSN Receptacle Housing: Wire-to-Board, no Mating Alignment, SL 156	 TE Part # 1-640551-4 14P MTA156 COVER	 TE Part # 1-643071-4 14P MTA156 FD-THRU COVER
 TE Part # 4-640427-4 14P MTA156 CONN ASSY 20AWG YEL	 TE Part # 1-643067-4 14P MTA156 MOLDED COVER	 TE Part # 4-640428-4 14P MTA156 CONN ASSY 22AWG RED	 TE Part # 4-640599-4 14P MTA156 CONN ASSY 18AWG ORA



 TE Part # 4-643818-4 14P MTA156 CONN ASSY 20AWG YEL	 TE Part # 4-640426-4 14P MTA156 CONN ASSY 18AWG ORA	 TE Part # 4-643817-4 14P MTA156 CONN ASSY 18AWG LF	 TE Part # 4-640429-4 14P MTA156 CONN ASSY 24AWG WHT
 TE Part # 1-640643-4 14P MTA156 COVER F/T	 TE Part # 4-640600-4 14P MTA156 CONN ASSY 20AWG LF	 TE Part # 4-640601-4 14P MTA156 CONN ASSY 22AWG LF	 TE Part # 4-640602-4 14P MTA156 CONN ASSY 24AWG LF
 TE Part # 4-640605-4 14P MTA156 CONN ASSY 20AWG LF	 TE Part # 4-643819-4 14P MTA156 CONN ASSY 22AWG LF	 TE Part # 4-644465-4 14P MTA156 CONN ASSY 18AWG ORA	 TE Part # 4-644466-4 14P MTA156 CONN ASSY 20AWG YEL

Also in the Series | MTA 156

 Connector Caps & Covers(89)	 Connector Contacts(4)	 Connector Hardware(2)	 Insertion & Extraction Tools(1)
 PCB Headers & Receptacles(677)	 Rectangular Power Connectors(331)	 Standard Rectangular Connectors(336)	

Customers Also Bought





TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #W2S
Wedgelocks: DEUTSCH DT



TE Part #0460-202-16141
DEUTSCH Solid Contacts



TE Part #282080-1
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT

Documents

Product Drawings

14P MTA156 POL HDR ASSY LF

English

CAD Files

Customer View Model

ENG_CVM_4-644615-4_J.2d_dxf.zip

English

3D PDF

English

Customer View Model

ENG_CVM_4-644615-4_J.3d_igs.zip

English

Customer View Model

ENG_CVM_4-644615-4_J.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-644615-4_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-644615-4_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-644615-4_E.3d_stp.zip

English



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Product Specifications

Application Specification

English

Agency Approvals

UL

English