



**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

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

Connector System: **Wire-to-Board**

**Features**

**Other**

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

**Product Type Features**

PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Unshrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

**Configuration Features**

Number of Columns	15
PCB Mount Orientation	Vertical
Number of Positions	15
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
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Mating Pin Diameter	1.14 mm[.045 in]
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Contact Underplating Material Thickness	1.27 $\mu$ m[50 $\mu$ in]
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PCB Contact Termination Area Plating Material Finish	Matte
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Contact Mating Area Plating Material Thickness	2.54 $\mu$ m[100 $\mu$ in]
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PCB Contact Termination Area Plating Material Thickness	2.54 $\mu$ m[100 $\mu$ in]
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Contact Shape & Form	Round
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Contact Layout	Inline
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Contact Mating Area Length	10.16 mm[.4 in]
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Contact Base Material	Copper Alloy
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PCB Contact Termination Area Plating Material	Tin
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Contact Mating Area Plating Material Finish	Matte
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Contact Mating Area Plating Material	Tin
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Contact Type	Pin
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Contact Current Rating (Max)	7 A
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### Termination Features

Termination Post & Tail Diameter	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

Panel Mount Feature	Without
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Mating Retention	Without
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PCB Mount Retention	Without
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PCB Mount Alignment	Without
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Connector Mounting Type	Board Mount
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Mating Alignment	Without
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### Housing Features

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

**Dimensions**

Connector Width	6.35 mm[.25 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	13.33 mm[.525 in]
Connector Length	59.44 mm[2.34 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**

Compatible With Agency/Standards Products	UL, CSA
Compatible With Approved Standards Products	UL E28476, CSA LR7189
UL Flammability Rating	UL 94V-0

**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	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 # 1-643067-5  
15P MTA156 MOLDED COVER



TE Part # 4-640426-5  
15P MTA156 CONN ASSY 18AWG ORA



TE Part # 1-640551-5  
15P MTA156 COVER



TE Part # 4-640428-5  
15P MTA156 CONN ASSY 22AWG RED



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 # 1-770996-5  
15P SL 156 HSG W/TABS W/O LR



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



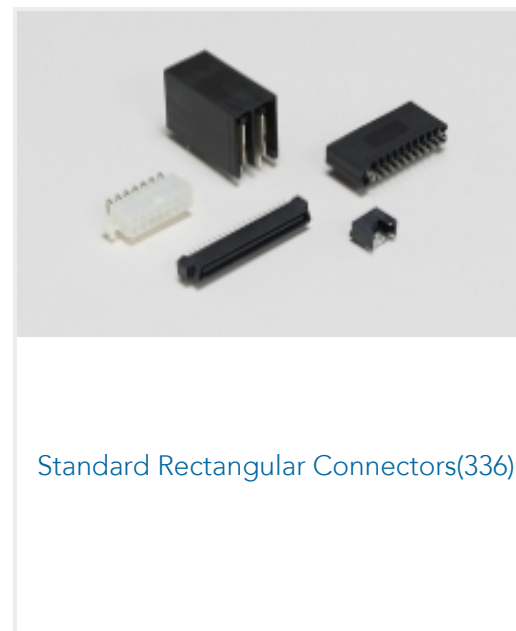
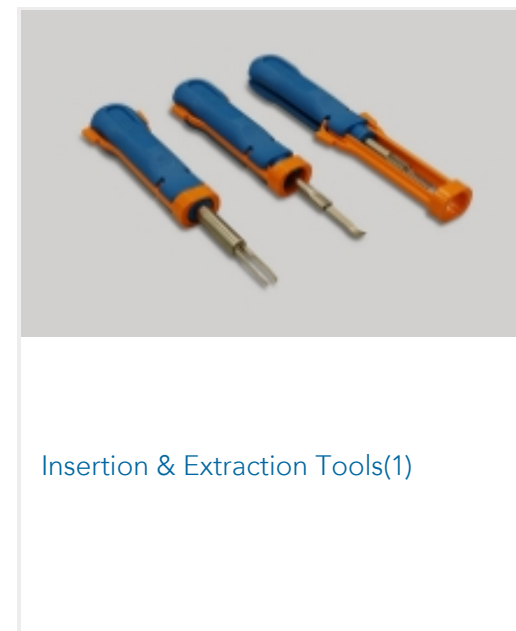
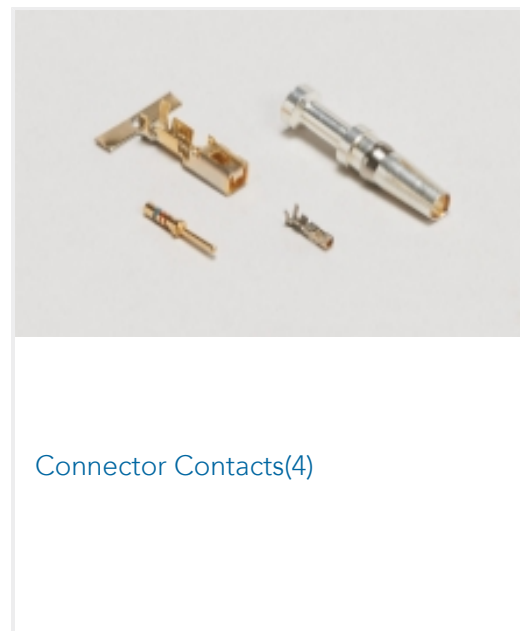
TE Part # 4-640602-5  
15P MTA156 CONN ASSY 24AWG LF



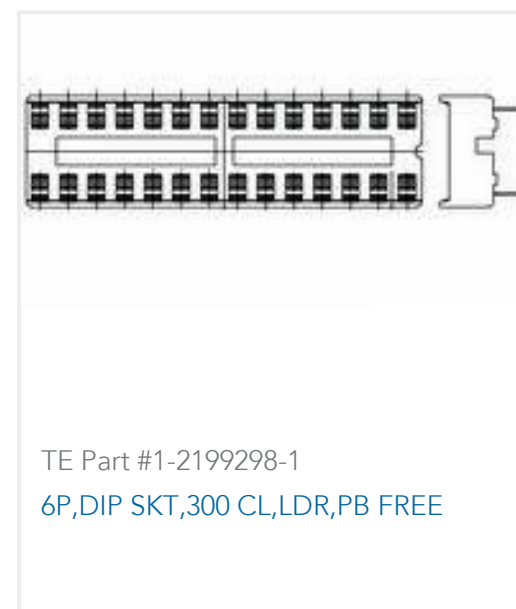
TE Part # 4-640605-5  
15P MTA156 CONN ASSY 20AWG LF



Also in the Series | **MTA 156**



Customers Also Bought





## 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