

## MTA 156

TE Internal #: 641937-2

PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, Power, MTA 156

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Connectors &gt; PCB Connectors &gt; PCB Headers &amp; Receptacles

PCB Connector Assembly Type: **PCB Mount Header**Connector System: **Wire-to-Board**Number of Positions: **3**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

Number of Power Positions	2
Number of Columns	3
Number of Loaded Positions	2
Connector Contact Load Condition	Selectively Loaded
Number of Positions	3
Number of Rows	1



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	10.16 mm[.4 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	2.54 $\mu$ m[100 $\mu$ in]
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Contact Layout	Inline
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Contact Underplating Material Thickness	1.27 $\mu$ m[50 $\mu$ in]
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Contact Mating Area Plating Material Thickness	2.54 $\mu$ m[100 $\mu$ in]
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Contact Shape & Form	Square
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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

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

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

### Dimensions

Connector Length	11.89 mm [.468 in]
Connector Height	10.79 mm [.425 in]
Connector Width	7.62 mm [.3 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	3000
Packaging Method	Bag

### Other

Position Locations Omitted	3
Number of Blocked Positions	1

### 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 # 640251-3  
03P SL156 HSG W/O RAMP NATL



TE Part # 3-644460-3  
03P MTA156 CONN ASSY 18AWG ORA



TE Part # 3-640429-3  
03P MTA156 CONN ASSY 24AWG WHT



TE Part # 3-640427-3  
03P MTA156 CONN ASSY 20AWG YEL



TE Part # 3-640599-3  
03P MTA156 CONN ASSY 18AWG ORA




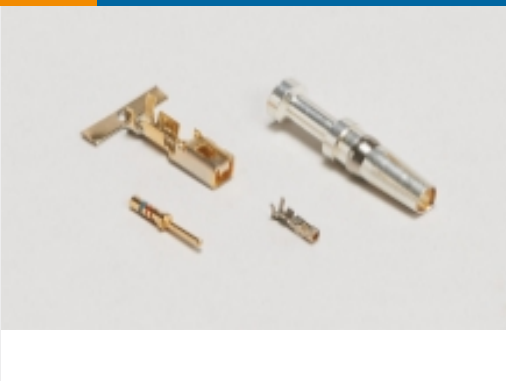





TE Part # 3-643821-3  
03P MTA156 CONN ASSY 26AWG LF



TE Part # 3-640426-3  
03P MTA156 CONN ASSY 18AWG ORA

 <p>TE Part # 3-640602-3 03P MTA156 CONN ASSY 24AWG LF</p>	 <p>TE Part # 3-644465-3 03P MTA156 CONN ASSY 18AWG ORA</p>	 <p>TE Part # 3-643817-3 03P MTA156 CONN ASSY 18AWG ORA</p>	 <p>TE Part # 3-640600-3 03P MTA156 CONN ASSY 20AWG LF</p>
 <p>TE Part # 643071-3 03P MTA156 FD-THRU COVER</p>	 <p>TE Part # 3-640431-3 03P MTA156 CONN ASSY 18AWG ORA</p>	 <p>TE Part # 3-640601-3 03P MTA156 CONN ASSY 22AWG LF</p>	 <p>TE Part # 3-643819-3 03P MTA156 CONN ASSY 22AWG RED</p>
 <p>TE Part # 3-640428-3 03P MTA156 CONN ASSY 22AWG RED</p>	 <p>TE Part # 640551-3 03P MTA156 COVER</p>	 <p>TE Part # 640629-1 MTA156 KEYING PLUG</p>	 <p>TE Part # 3-643818-3 03P MTA156 CONN ASSY 20AWG YEL</p>

Also in the Series | **MTA 156**

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

Customers Also Bought





## Documents

### Product Drawings

[03P MTA156 HDR ASSY SQ W/O#3](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_641937-2\\_N.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_641937-2\\_N.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_641937-2\\_N.3d\\_stp.zip](#)

English

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## Product Specifications



### Application Specification

English

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### Agency Approvals

Agency Approval Document

English