

3-644767-3 ✓ ACTIVE



MTA 156

TE Internal #: 3-644767-3

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

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **3**

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 Positions	3
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

Contact Layout	Inline
Contact Mating Area Length	10.16 mm[.4 in]
PCB Contact Termination Area Plating Material Thickness	3.81 – 8.89 μm [150 – 350 μin]
Mating Pin Diameter	1.14 mm[.045 in]
Contact Underplating Material Thickness	1.27 μm [50 μin]
Contact Mating Area Plating Material Thickness	.38 μm [15 μin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Round
Contact Mating Area Plating Material Finish	Bright
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold
Contact Type	Pin
Contact Current Rating (Max)	7 A

Termination Features

Round Termination Post & Tail Diameter	1.14 mm[.045 in]
Termination Post & Tail Length	4.45 mm[.175 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention	With
Panel Mount Feature	Without
Mating Retention Type	Friction Lock
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without

Housing Features

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

Dimensions



Connector Length	15.85 mm[.624 in]
Connector Height	13.33 mm[.525 in]
PCB Thickness (Recommended)	1.6 mm[.063 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

CSA Rating	Certified
Agency/Standard	CSA, UL
Approved Standards	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	2000
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 2022 (224) Candidate List Declared Against: JUL 2019 (201) 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

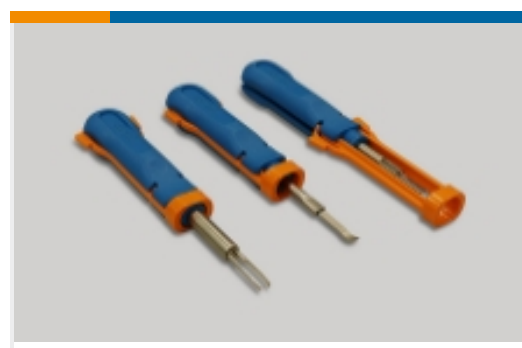
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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>

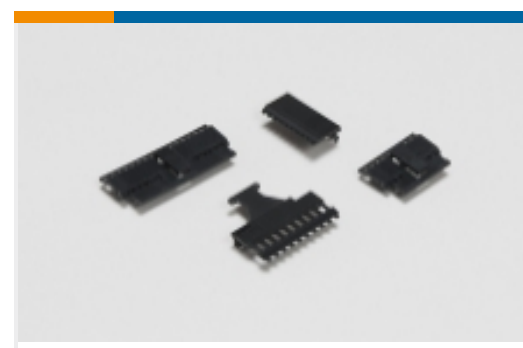
Compatible Parts

 <p>TE Part # CAT-103156-WBHSM Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156</p>	 <p>TE Part # 640251-3 03P SL156 HSG W/O RAMP NATL</p>	 <p>TE Part # 643071-3 03P MTA156 FD-THRU COVER</p>	 <p>TE Part # 640551-3 03P MTA156 COVER</p>
 <p>TE Part # 643067-3 03P MTA156 MOLDED COVER</p>	 <p>TE Part # 640643-3 03P MTA156 COVER F/T</p>	 <p>TE Part # 3-641148-3 03P MTA156 ASSY 18AWG ORA LF</p>	 <p>TE Part # 3-641149-3 03P MTA156 ASSY 20AWG YEL LF</p>
 <p>TE Part # 3-641150-3 03P MTA156 ASSY 22AWG RED LF</p>	 <p>TE Part # 3-641151-3 03P MTA156 ASSY 24AWG WHT LF</p>	 <p>TE Part # 3-641168-3 03P MTA156 ASSY 18AWG ORA LF</p>	 <p>TE Part # 3-641170-3 03P MTA156 ASSY 22AWG RED LF</p>
 <p>TE Part # 3-641175-3 03P MTA156 ASSY 22AWG RED LF</p>	 <p>TE Part # 3-644284-3 03P MTA156 ASSY 18AWG ORA LF</p>	 <p>TE Part # 3-647478-3 03P MTA156 ASSY 22AWG RED LF</p>	 <p>TE Part # 3-647479-3 03P MTA156 CONN ASSY 18AWG ORA</p>

Also in the Series | **MTA 156**



Insertion & Extraction Tools(1)



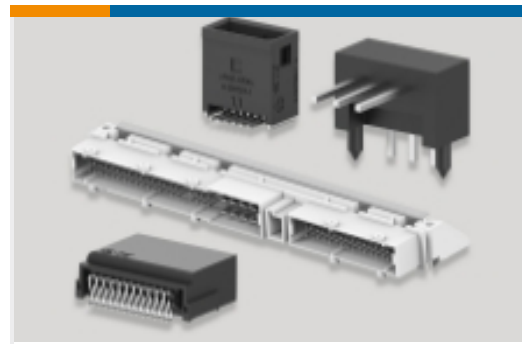
PCB Connector Covers(92)



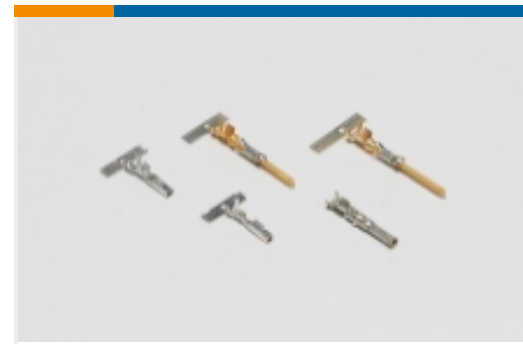
PCB Connector Keying(2)



PCB Connector Mounting(1)



PCB Headers & Receptacles(729)



Power Contacts(3)



Rectangular Caps & Covers(1)



Rectangular Power Connectors(749)

Standard Rectangular Connectors
(1309)

Wire-to-Board Connector Contacts(12)

Documents

Product Drawings

[03P MTA156 HDR ASSY FL ST LF](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_3-644767-3_G.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_3-644767-3_G.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-644767-3_G.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.



Datasheets & Catalog Pages

[MTA, CST-100 II, SL-156 and AMP Economy Power \(EP\) Connectors](#)

English

Product Specifications

[Product Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English