



MTA 156

TE Internal #: 2-647123-3
Header, Plug, Wire-to-Board, 3 Position, 3.96 mm [.156 in]
Centerline, Printed Circuit Board, UL 94V-0, MTA 156, Rectangular
Power Connectors

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Rectangular Power Connector Type: **Header**
Connector & Housing Type: **Plug**
Connector System: **Wire-to-Board**
Number of Positions: **3**
Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	3
PCB Mount Orientation	Vertical
Number of Power Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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Body Features



Connector Profile	Standard
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Contact Features

Mating Post Length	7.62 mm[.3 in]
PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
Contact Layout	Inline
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	7 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	3.81 – 8.89 µm[150 – 350 µin]

Termination Features

Termination Post & Tail Length	2.92 mm[.115 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Polarization
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Retention Type	Latch Detent
Connector Mounting Type	Board Mount

Housing Features

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



Dimensions

Connector Height	13.34 mm[.525 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Product Length	14.27 mm[.562 in]
Compatible Insulation Diameter Range	5.08 mm

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, LR 7189
UL Rating	Recognized
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	500
Packaging Method	Box

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 240°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 # 3-640433-3
03P MTA156 CONN ASSY 22AWG RED

TE Part # 643067-3
03P MTA156 MOLDED COVER

TE Part # 3-643820-3
03P MTA156 CONN ASSY 24AWG LF

TE Part # 3-644878-3
03P MTA156 ASSY ON TAPE LF

Also in the Series | MTA 156

Connector Caps & Covers(89)

Connector Contacts(4)

Connector Hardware(2)

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(317)

Rectangular Power Connectors(691)

Standard Rectangular Connectors(336)

Customers Also Bought

TE Part #1-292161-0
CT P/HDR ASSY V 10P W/KINK NAT

TE Part #292253-8
CT CONN MT HDR ASSY H 8P NAT

TE Part #7-2834006-2
2P MRPK CONN_RD/BK

TE Part #644752-6
06P MTA156 HDR ASSY SQ STR F/L

TE Part #284513-4
4 POS TERMI-BLOK HDR 900 POL.

TE Part #3-647123-0
10P MTA156 SHRD HDR ASSY SQ SN

TE Part #1-2834021-4
4POS 2.5MM TES CONN.

TE Part #6-103168-0
24 MODII HDR DRST SHRD .100CL



Documents

Product Drawings

03P MTA156 SHRD HDR ASSY SQ SN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-647123-3_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-647123-3_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-647123-3_D.3d_stp.zip

English

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Product Specifications

Application Specification

English