

MTA 156

TE Internal #: 641991-2

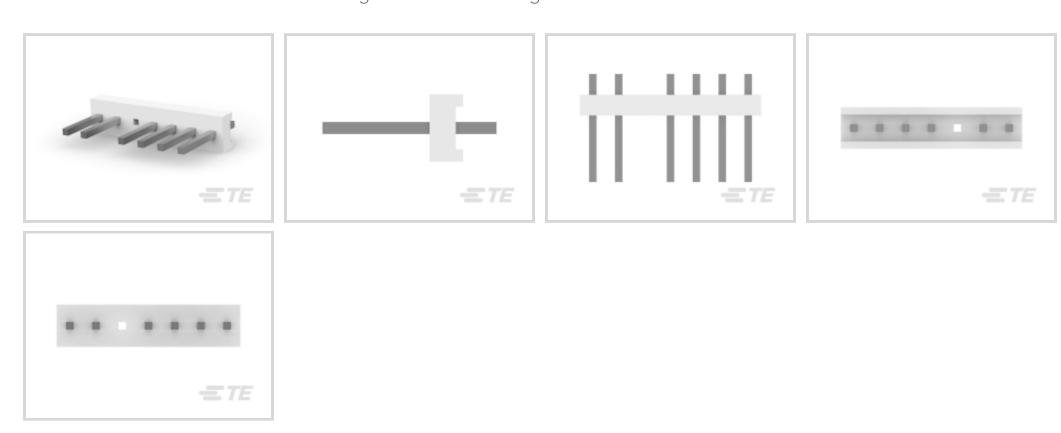
Rectangular Power Connectors, Header, Plug, Wire-to-Board, 7 Position, 3.96 mm [.156 in] Centerline, Printed Circuit Board, UL 94V-

0, MTA 156

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: Header

Connector & Housing Type: Plug
Connector System: Wire-to-Board

Number of Positions: 7

Centerline (Pitch): 3.96 mm [.156 in]

Features

Product Type Features

Header Type	Unshrouded
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 Loaded Positions	6
Number of Positions	7
PCB Mount Orientation	Vertical
Number of Power Positions	7
Number of Rows	1
Electrical Characteristics	

600 VAC

Operating Voltage



Contact Features

Contact Features	
Mating Post Length	10.16 mm[.4 in]
Contact Layout	Inline
Contact Mating Area Plating Material	Tin
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	2.54 μm[100 μin]
Termination Features	
Termination Post & Tail Length	3.7 mm[.146 in]
Termination Method to Printed Circuit Board	Through Hole - Solder
Mechanical Attachment	
Strain Relief	Without
Mating Retention	Without
Mating Alignment	Without
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Housing Features	
Centerline (Pitch)	3.96 mm[.156 in]
Housing Color	Natural
Housing Material	Polyester - GF
Dimensions	
Connector Height	13.33 mm
PCB Thickness (Recommended)	3.18 mm[.125 in]
Product Length	27.74 mm
Usage Conditions	
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]



Operation/Application

Circuit Application	Power
Industry Standards	
CSA Rating	Certified, LR 7189
UL Rating	Recognized
Agency/Standard	CSA, UL
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
Packaging Features	
Packaging Quantity	1000
Packaging Method	Package
Other	
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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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-onreach

Compatible Parts



Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156



TE Part # 640251-7 07P SL156 HSG W/O LCK RAMP



TE Part # 3-640429-7 07P MTA156 CONN ASSY 24AWG WHT



07P MTA156 HDR ASSY STR SQ SN











TE Part # 640629-1 MTA156 KEYING PLUG



TE Part # 640551-7 07P MTA156 COVER



TE Part # 3-640431-7 07P MTA156 CONN ASSY 18AWG ORA



TE Part # 3-643817-7 07P MTA156 CONN ASSY 18AWG













TE Part # 3-644460-7 07P MTA156 CONN ASSY 18AWG ORA



TE Part # 3-644463-7 07P MTA156 CONN ASSY 22AWG RED



Also in the Series | MTA 156



Insertion & Extraction Tools(1)



PCB Connector Covers(88)



PCB Connector Keying(2)



PCB Connector Mounting(1)



PCB Headers & Receptacles(314)



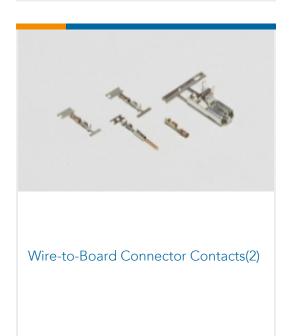
Power Contacts(2)



Rectangular Power Connectors(698)



Standard Rectangular Connectors(337)



Customers Also Bought





TE Part #1367073-2 20 POS SMT CONN, SFP, 30AU

















Documents

Product Drawings

07P MTA156 HDR ASSY SQ W/O#5

English

CAD Files

Customer View Model

ENG_CVM_CVM_641991-2_G.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_641991-2_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_641991-2_G.3d_stp.zip

English

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Product Specifications

Application Specification

English