



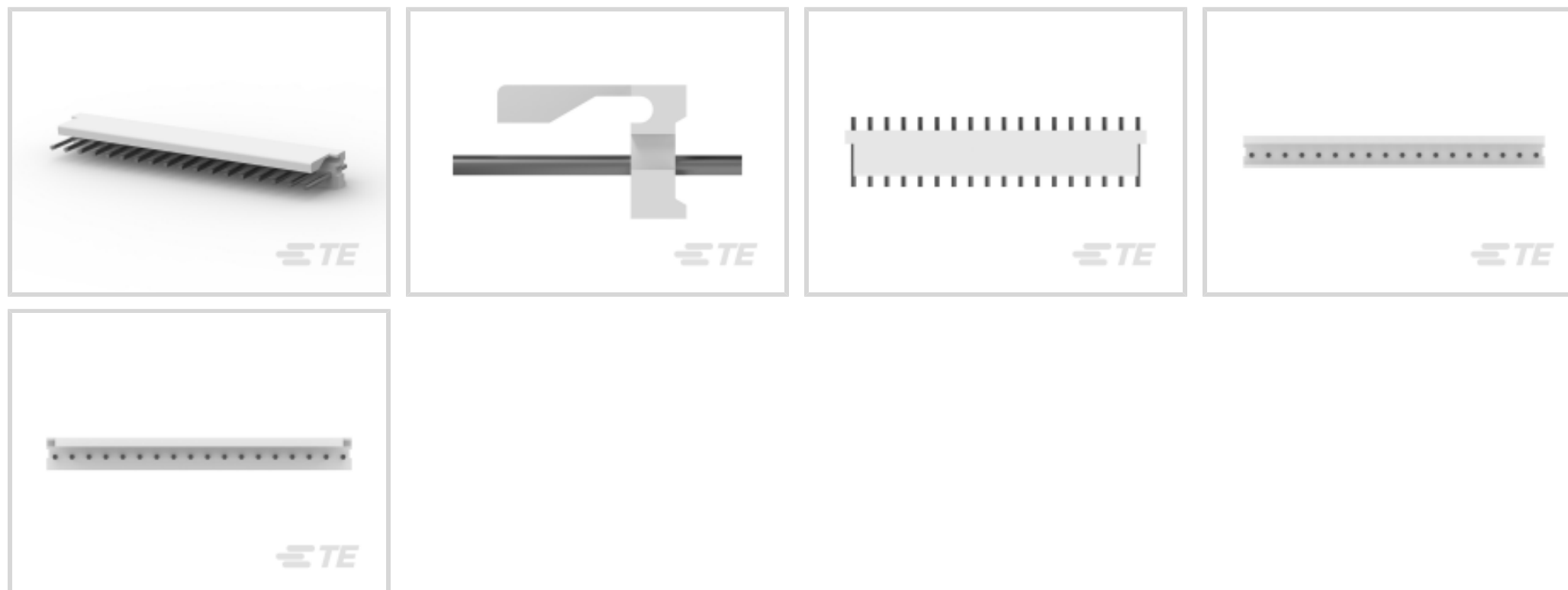
MTA | MTA 156

TE Internal #: 1-640388-8

MTA 156, Rectangular Power Connectors, Header, Plug, Wire-to-Board, 18 Position, 3.96mm [.156in] Centerline, Printed Circuit Board, UL 94V-0

[View on TE.com >](#)

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: **18**

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 Positions	18
PCB Mount Orientation	Vertical
Number of Power Positions	18
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features



Contact Layout	Inline
Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	7 A
Contact Retention Within Housing	Without
Contact Type	Tab
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	2.54 μm [100 μin]
Underplate Material Thickness	50 μm [1.27 μin]
Contact Termination Area Plating Thickness	2.54 μm [100 μin]

Termination Features

Termination Post & Tail Length	3.18 mm[.125 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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

Dimensions

PCB Thickness (Recommended)	.063 mm[1.6 in]
Mating Post Length	10.16 mm[.4 in]
Height	10.79 mm[.425 in]
Length	63.4 mm[2.808 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
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	E28476
Agency/Standard	CSA, UL
UL Rating	Recognized
CSA File Number	LR7189

Packaging Features

Packaging Method	Package
Packaging Quantity	500

Other

For Use With	MTA .156 Connector Assembly or SL .156 Connector Assembly
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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: JUN 2020 (209) 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 Model / Part # 1-640251-8 18P SL156 HSG W/O LCK RAMP</p>	 <p>TE Model / Part # 4-643819-8 18P MTA156 CONN ASSY 22AWG LF</p>	 <p>TE Model / Part # 4-640427-8 18P MTA156 CONN ASSY 20AWG YEL</p>	 <p>TE Model / Part # 1-640250-8 18P SL156 HSG W/LCK RAMP NATL</p>
 <p>TE Model / Part # 4-640426-8 18P MTA156 CONN ASSY 18AWG ORA</p>	 <p>TE Model / Part # 1-770849-8 18P SL156 HSG W/LCK RMP & TABS</p>	 <p>TE Model / Part # 1-640551-8 18P MTA156 COVER</p>	 <p>TE Model / Part # 1-643067-8 18P MTA156 MOLDED COVER</p>
 <p>TE Model / Part # 4-643817-8 18P MTA156 CONN ASSY 18AWG LF</p>	 <p>TE Model / Part # 1-640643-8 18P MTA156 COVER F/T</p>	 <p>TE Model / Part # 1-643071-8 18P MTA156 FD-THRU COVER</p>	 <p>TE Model / Part # 1-647401-8 18P SL156 HSG W/RAMP,LRG OPEN</p>
 <p>TE Model / Part # 1-647402-8 18P SL156 HSG W/RMP&TABS,OVSZ</p>	 <p>TE Model / Part # 4-640428-8 18P MTA156 CONN ASSY 22AWG RED</p>	 <p>TE Model / Part # 4-640429-8 18P MTA156 CONN ASSY 24AWG WHT</p>	 <p>TE Model / Part # 4-640430-8 18P MTA156 CONN ASSY 26AWG BLU</p>




TE Model / Part # 4-640431-8
18P MTA156 CONN ASSY 18AWG
ORA



TE Model / Part # 4-640432-8
18P MTA156 CONN ASSY 20AWG YEL



TE Model / Part # 4-640434-8
18P MTA156 CONN ASSY 24AWG
WHT



TE Model / Part # 4-640435-8
18P MTA156 CONN ASSY 26AWG LF

Also in the Series | **MTA 156**




PCB Connector Covers(92)



PCB Connector Keying(2)



PCB Connector Mounting(1)




Power Contacts(3)



Rectangular Power Connectors(749)



Standard Rectangular Connectors
(1310)



Wire-to-Board Connector Contacts(12)



Wire-to-Board Headers & Receptacles
(731)

Customers Also Bought



TE Model / Part #9-1437651-1
6PCR-07-006=#6 TRIBARRIER



TE Model / Part #9-1437651-9
6PCR-08-006=6PCR ASSEMBLY



TE Model / Part #3-641210-9
09P MTA156 HDR FLRA FB 30AU LF



TE Model / Part #644875-6
06P MTA100 HDR ASSY F/L,SP BND



TE Model / Part #1-87233-5
15 MODII HDR SRRA UNSHRD .100



TE Model / Part #7-520315-0
TRIOMATE ASY V 20P L=3.556LDFR



TE Model / Part #1879267-5
RP 2B 698K 0.1% 15PPM 1K RL



TE Model / Part #6-87348-0
10 MODII HDR SRST UNSHRD .100



Documents

Product Drawings

18P MTA156 HDR ASSY RN STR F/L

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-640388-8_AD.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-640388-8_AD.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-640388-8_AD.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

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

CSA Certificate

English

CSA Certificate

English