



MTA 156

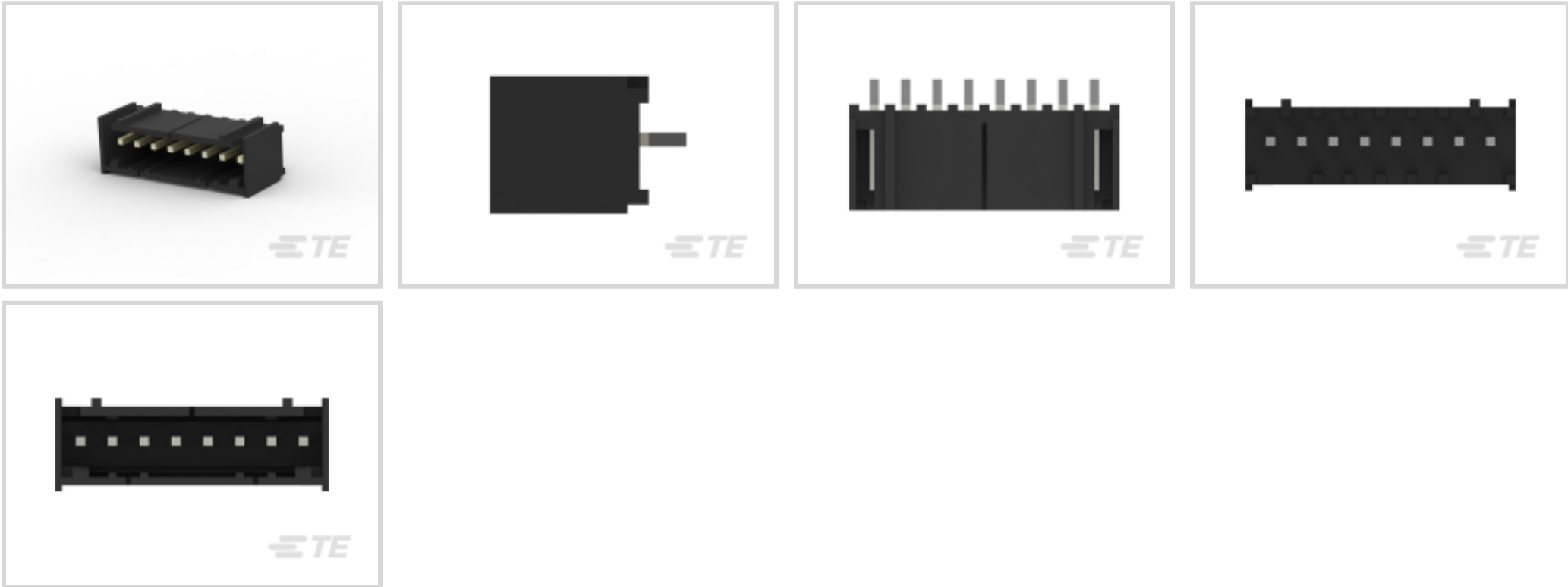
TE Internal #: 2-647123-8

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 8

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: **8**

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	8
PCB Mount Orientation	Vertical
Number of Power Positions	8
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	3 mm[.118 in]
Termination Method to Printed Circuit Board	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	34.09 mm[1.342 in]
Compatible Insulation Diameter Range	.89 – 1.53 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
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	1
Packaging Method	Package

Product Compliance

For compliance documentation, visit the product page on TE.com>

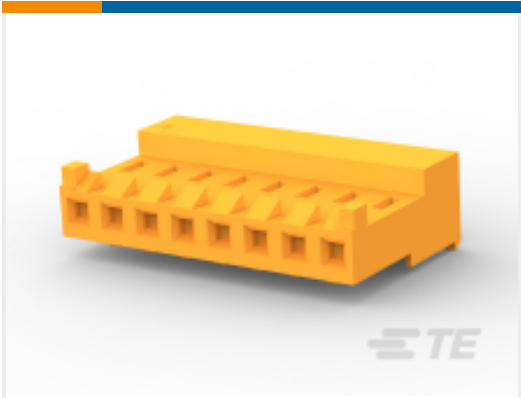
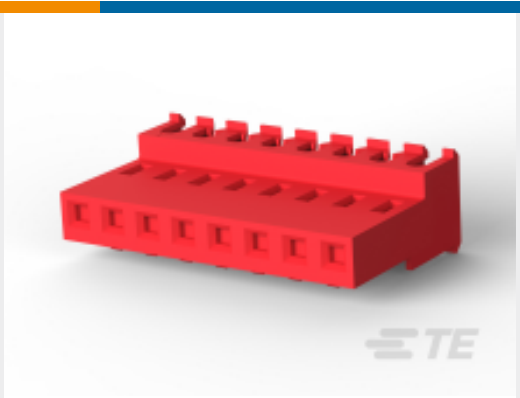
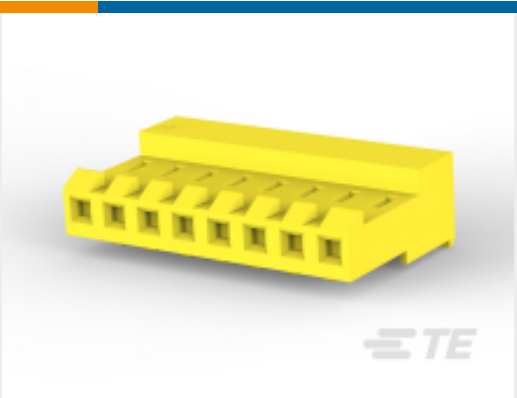
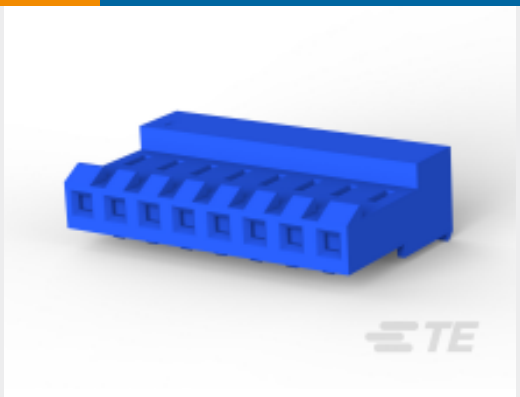
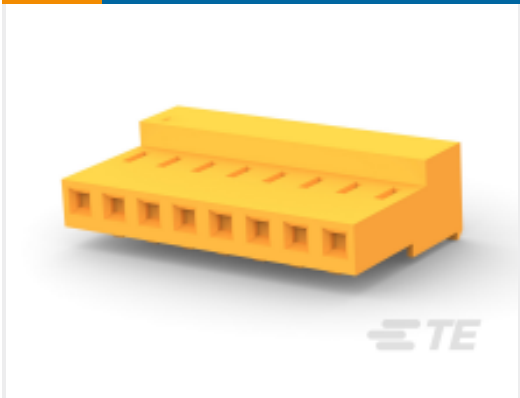
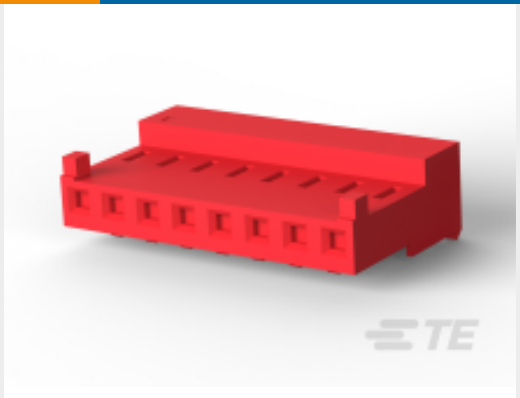
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JAN 2021 (211) Does not 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 # CAT-103156-WBHSM Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156	 TE Part # 3-643817-8 08P MTA156 CONN ASSY 18AWG ORA	 TE Part # 3-640606-8 08P MTA156 CONN ASSY 22AWG LF	 TE Part # 3-640427-8 08P MTA156 CONN ASSY 20AWG YEL
 TE Part # 3-640602-8 08P MTA156 CONN ASSY 24AWG LF	 TE Part # 3-643818-8 08P MTA156 CONN ASSY 20AWG YEL	 TE Part # 3-640426-8 08P MTA156 CONN ASSY 18AWG ORA	 TE Part # 3-643819-8 08P MTA156 CONN ASSY 22AWG RED
 TE Part # 3-640434-8 08P MTA156 CONN ASSY 24AWG WHT	 TE Part # 3-640604-8 08P MTA156 CONN ASSY 18AWG LF	 TE Part # 3-640430-8 08P MTA156 CONN ASSY 26AWG BLU	 TE Part # 3-640429-8 08P MTA156 CONN ASSY 24AWG WHT
 TE Part # 3-640431-8 08P MTA156 CONN ASSY 18AWG ORA	 TE Part # 640551-8 08P MTA156 COVER	 TE Part # 3-644463-8 08P MTA156 CONN ASSY 22AWG RED	 TE Part # 643071-8 08P MTA156 FD-THRU COVER



TE Part # 3-640428-8
08P MTA156 CONN ASSY 22AWG RED

TE Part # 3-640599-8
08P MTA156 CONN ASSY 18AWG ORA

TE Part # 643067-8
08P MTA156 MOLDED COVER

TE Part # 3-640433-8
08P MTA156 CONN ASSY 22AWG RED

Also in the Series | MTA 156

Connector Caps & Covers(88)

Insertion & Extraction Tools(1)

PCB Connector Keying(2)

PCB Connector Mounting(1)

PCB Headers & Receptacles(314)

Power Contacts(2)

Rectangular Power Connectors(698)

Standard Rectangular Connectors(337)

Wire-to-Board Connector Contacts(2)

Customers Also Bought

TE Part #3-640606-8
08P MTA156 CONN ASSY 22AWG LF

TE Part #5569262-1
STK MJ ASSY,8POS,2X4,SHLD,CAT5

TE Part #350825-1
03P UMNL HDR ASSY PC 94VO

TE Part #2-1445088-2
MICRO MNL HDR ASSY S/ROW AU LF



TE Part #1-1879338-8
CPF 0603 40K2 1% 50PPM 1K RL

TE Part #3-2176388-6
RQ 1206 23R2 0.1% 10PPM 5K RL

TE Part #1410189-3
MULTIGIG RT T2 7RW H-LFT,ET2

TE Part #1410187-3
MULTIGIG RT T2 7RW DC DF CT

TE Part #1SNA150052R0000
THB50-P6

Documents

Product Drawings

08P MTA156 SHRD HDR ASSY SQ SN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-647123-8_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-647123-8_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-647123-8_D.3d_stp.zip

English

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Product Specifications

Application Specification

English