



MTA 156

TE Internal #: 3-644613-3

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 3

Position, 3.96 mm [.156 in] Centerline, Printed Circuit Board, UL 94V-0, MTA 156

[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: **3**

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

Features

Product Type Features

Header Type	Partially 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

Keying & Polarized Position Locations	None
Number of Positions	3
PCB Mount Orientation	Right Angle
Number of Power Positions	3
Number of Signal Positions	0
Number of Rows	1

Electrical Characteristics



Operating Voltage	600 VAC
-------------------	---------

Contact Features

Mating Post Length	11.43 mm[.45 in]
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
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	3.81 – 8.89 µm[150 – 350 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 Retention	With
Mating Alignment	Without
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Retention Type	Polarized Lock
Connector Mounting Type	Board Mount

Housing Features

Right Angle Bending Side	Front
Centerline (Pitch)	3.96 mm[.156 in]
Housing Color	Natural
Housing Material	Thermoplastic Polyester

Dimensions

Connector Height	19.81 mm[.78 in]
------------------	------------------



PCB Thickness (Recommended)	1.57 mm[.062 in]
	.463 in

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	500
Packaging Method	Bag

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 265°C

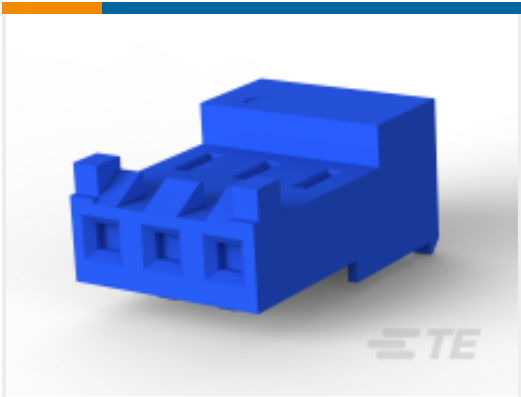
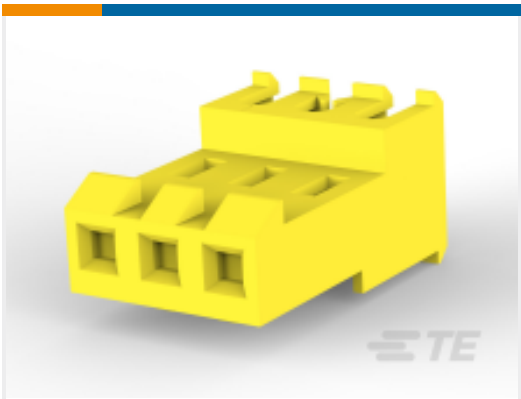
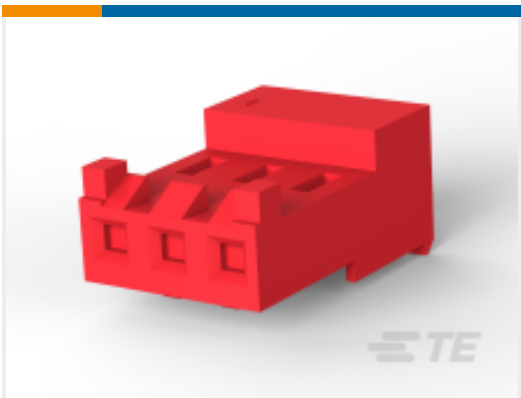
Product Compliance Disclaimer

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

 TE Part # CAT-103156-WBHSM Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156	 TE Part # 640251-3 03P SL156 HSG W/O RAMP NATL	 TE Part # 3-640429-3 03P MTA156 CONN ASSY 24AWG WHT	 TE Part # 3-640427-3 03P MTA156 CONN ASSY 20AWG YEL
 TE Part # 3-640599-3 03P MTA156 CONN ASSY 18AWG ORA	 TE Part # 3-643821-3 03P MTA156 CONN ASSY 26AWG LF	 TE Part # 3-640426-3 03P MTA156 CONN ASSY 18AWG ORA	 TE Part # 3-644465-3 03P MTA156 CONN ASSY 18AWG ORA
 TE Part # 3-643817-3 03P MTA156 CONN ASSY 18AWG ORA	 TE Part # 3-640600-3 03P MTA156 CONN ASSY 20AWG LF	 TE Part # 643071-3 03P MTA156 FD-THRU COVER	 TE Part # 3-640431-3 03P MTA156 CONN ASSY 18AWG ORA
 TE Part # 3-640601-3 03P MTA156 CONN ASSY 22AWG LF	 TE Part # 3-643819-3 03P MTA156 CONN ASSY 22AWG RED	 TE Part # 3-640428-3 03P MTA156 CONN ASSY 22AWG RED	 TE Part # 640551-3 03P MTA156 COVER



TE Part # 3-643818-3
03P MTA156 CONN ASSY 20AWG YEL

TE Part # 3-640432-3
03P MTA156 CONN ASSY 20AWG YEL

TE Part # 643067-3
03P MTA156 MOLDED COVER

TE Part # 3-640477-3
03P MTA156 ASSY ON TAPE LF

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)

Wire-to-Board Connector Contacts(2)

Customers Also Bought

TE Part #1-640445-1
11P MTA156 HDR ASSY FL/STR SN

TE Part #1734037-4
Champ 050 series,40pos,Au over PdNi

TE Part #1-6600132-0
MBXL R/A HDR DB 1P+16S+1P

TE Part #2-640250-2
22P SL156 HSG W/LCK RAMP NATL



 TE Part #2-6450834-7 MBXLE R/A HDR 8P+20S	 TE Part #2365243-2 SQUEEZE REL RECEPT ASSY W/KEYS, 8P+20S	 TE Part #2071385-2 OJE-SH-112HM2F,000
--	---	--

Documents

Product Drawings

[03P MTA156 HDR RA PO WO PEG LF](#)

English

CAD Files

Customer View Model

[ENG_CVM_3-644613-3_E.2d_dxf.zip](#)

English

[3D PDF](#)

English

Customer View Model

[ENG_CVM_3-644613-3_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_3-644613-3_E.3d_stp.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_3-644613-3_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-644613-3_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-644613-3_D.3d_stp.zip](#)

English

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

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[Product Compliance](#)

English



Product Compliance

English

Agency Approvals

CSA Certificate

English