



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: **5**

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	3
Number of Positions	5
PCB Mount Orientation	Vertical
Number of Power Positions	5
Number of Signal Positions	0
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	Pin, 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]

Termination Features

Termination Post & Tail Length	3.81 mm[.15 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	Thermoplastic Polyester

Dimensions

PCB Thickness (Recommended)	3.48 mm[.12 in]
Height	10.8 mm
Mating Post Length	10.16 mm[.4 in]
Length	19.81 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
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	1000

Other

Number of Blocked Positions	2
For Use With	MTA .156 Connector Assembly or SL .156 Connector Assembly

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: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205)
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

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 (729)

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TE Model / Part #1721870-5  
OJE-SH-112LMHF,000

TE Model / Part #1-644487-0  
10P MTA100 SHRD HDR ASSY 30AU

Documents

Product Drawings

05P MTA156 HDR ASSY W/O#2&4

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_643495-2\_R.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_643495-2\_R.3d\_stp.zip

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3D PDF

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Product Environmental Compliance

MD\_643495-2\_06302014017\_dmtec

English

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English

Agency Approvals

Agency Approval Document

English



643495-2

MTA 156, Rectangular Power Connectors, Header, Plug, Wire-to-Board, 5 Position, 3.96mm [.156in] Centerline, Printed Circuit Board, UL 94V-0

