

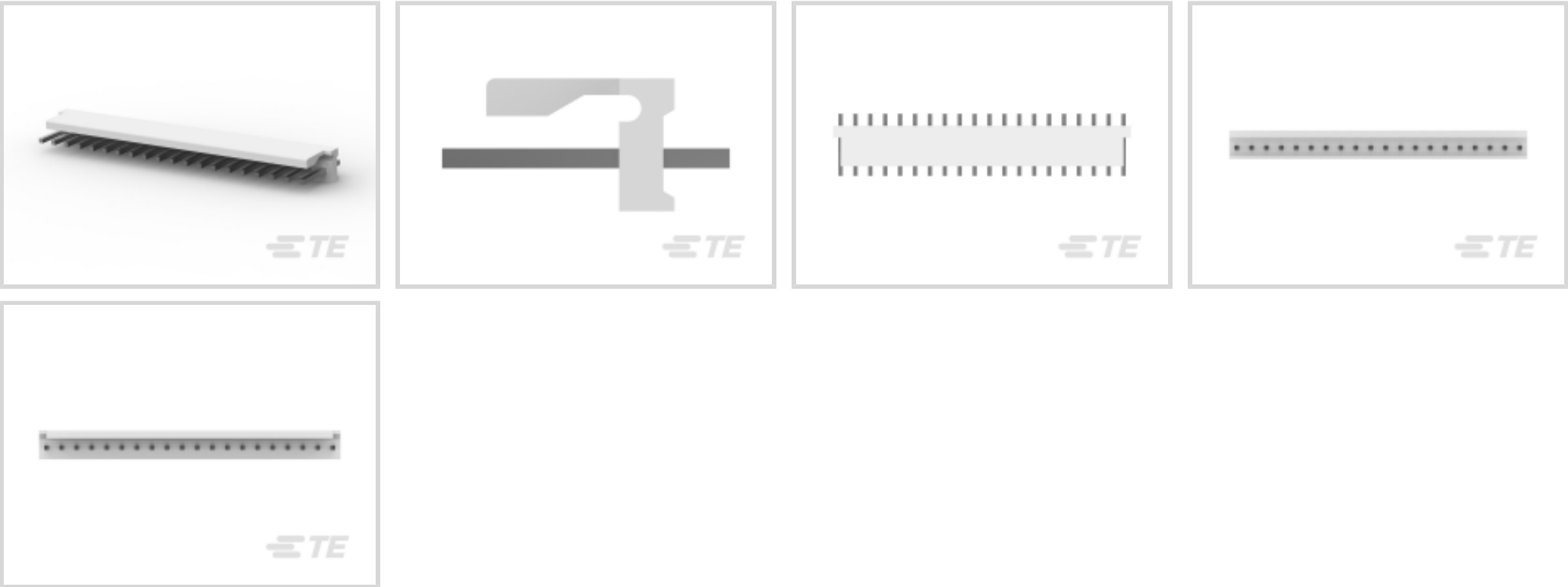


MTA 156

TE Internal #: 2-640445-0
Header, Plug, Wire-to-Board, 20 Position, 3.96 mm [.156 in]
Centerline, Printed Circuit Board, UL 94V-0, MTA 156, Rectangular
Power Connectors

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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: **20**
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

Number of Positions	20
PCB Mount Orientation	Vertical
Number of Power Positions	20
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features



Mating Post Length	10.16 mm[.4 in]
PCB Contact Termination Area Plating Material Thickness	.76 μm[30 μin]
Contact Layout	Inline
Contact Underplating Material Thickness	1.27 μm[50 μin]
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	1.53 mm[.06 in]
Termination Method to PCB	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	Friction Lock
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Connector Height	10.79 mm[.425 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Product Length	79.25 mm[3.12 in]



Compatible Insulation Diameter Range

5 mm[.197 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

Compatible With Agency/Standards Products

CSA, UL, VDE

Compatible With Approved Standards Products

UL E28476

UL Flammability Rating

UL 94V-0

Glow Wire Rating

Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity

250

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 2024 (241)
Candidate List Declared Against: JUNE 2024 (241)
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

Also in the Series | MTA 156

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PCB Headers & Receptacles(317)



Rectangular Power Connectors(691)

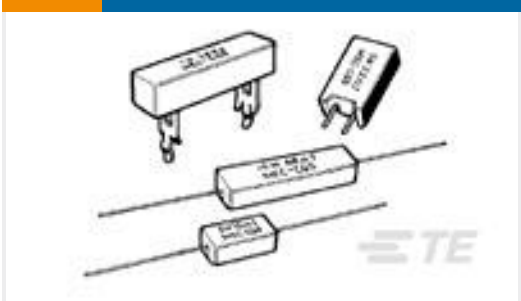


Standard Rectangular Connectors(336)

Customers Also Bought



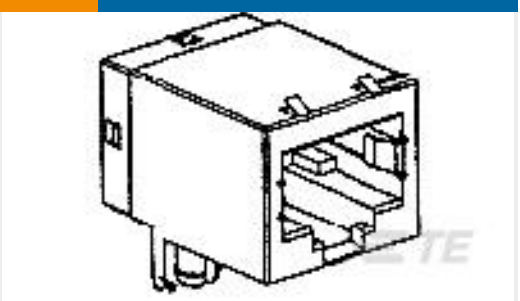
TE Part #2-644861-3
03P MTA100 SHRD HDR,W/O PEG SN



TE Part #3-1623795-6
SQP5 47R 5% WIRE



TE Part #1-770969-1
06P MINI UMNL R/A HDR ASSY LF



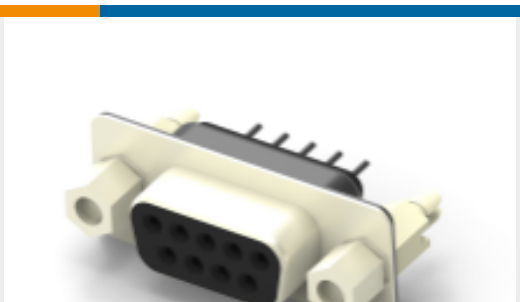
TE Part #5558344-1
MJ,8POS,R/A,CAT5,SHLD,PNL GND



TE Part #1-640445-0
10P MTA156 HDR ASSY FL/STR SN



TE Part #640445-8
08P MTA156 HDR ASSY FL/STR SN



TE Part #2301838-2
AMPL REC HD20, VERT, 9P, B/L,4-40 S /LOCK



TE Part #BAT-HLD-001
Battery Holder 2032 2025 SMT Bulk Pack

Documents

Product Drawings

20P MTA156 HDR ASSY FL/STR SN

English

CAD Files

Customer View Model

ENG_CVM_CVM_2-640445-0_AL.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-640445-0_AL.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-640445-0_AL.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English