644168-1 ✔ ACTIVE

MTA 156

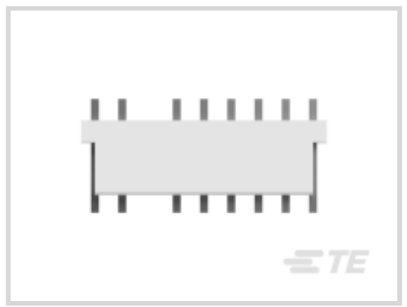
TE Internal #: 644168-1

Header, Plug, Wire-to-Board, 9 Position, 3.96 mm [.156 in] Centerline, Printed Circuit Board, UL 94V-0, MTA 156, Rectangular Power Connectors

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: **9**

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	9
PCB Mount Orientation	Vertical
Number of Power Positions	9
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC

Contact Features

Mating Post Length	10.16 mm[.4 in]
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Layout	Inline
Contact Mating Area Plating Material	Tin
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	100 µm[2.54 µin]

Termination Features

Termination Post & Tail Length	3.17 mm[.125 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 - GF

Dimensions

Connector Height	10.79 mm[.425 in]
PCB Thickness (Recommended)	.06 mm[1.6 in]
Product Width	7.62 mm[.3 in]
Product Length	35.66 mm[1.404 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Circuit Application	Power

Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	2000
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

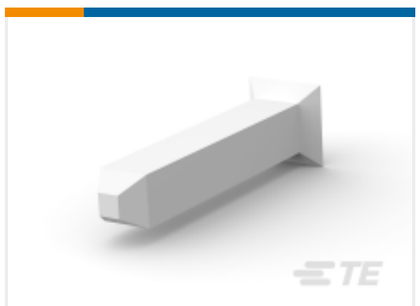
Product Compliance Disclaimer

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



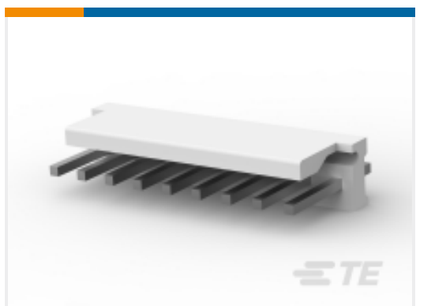
TE Part # CAT-103156-WBHSM
Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156



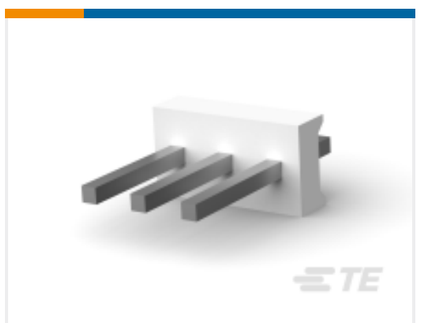
TE Part # 640629-1
MTA156 KEYING PLUG



TE Part # 1-641938-1
08P MTA156 HDR ASSY STR F/L W/



TE Part # 640445-9
09P MTA156 HDR ASSY FL/STR SN



TE Part # 647290-1
03P MTA156 HDR STR SN OMIT # 3



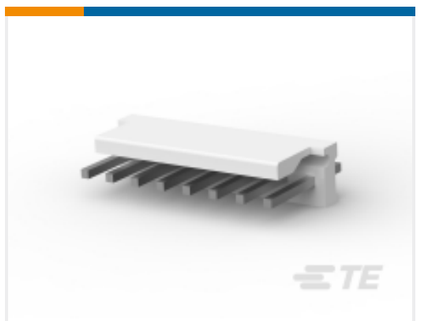
TE Part # 640551-9
09P MTA156 COVER



TE Part # 643067-9
09P MTA156 MOLDED COVER



TE Part # 643071-9
09P MTA156 FD-THRU COVER



TE Part # 647581-8
08P MTA156 HDR ASSY FL/VRT SN



TE Part # 640643-9
09P MTA156 COVER F/T

Also in the Series | MTA 156



Connector Caps & Covers(89)



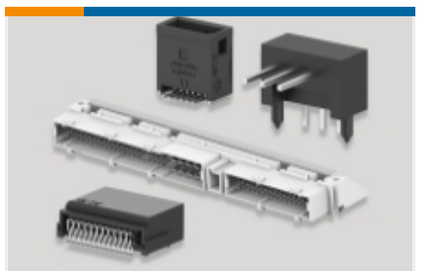
Connector Contacts(4)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(317)



Rectangular Power Connectors(691)



Standard Rectangular Connectors(336)

Customers Also Bought



TE Part #206429-1
CPC PLUG ASSY, 11-4, REV SEX



TE Part #63824-1
250 FASTON TAB TPBR

Documents

Product Drawings

09P MTA156 HDR W/LCK W/O#7

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_644168-1_K_c-644168-1-k.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_644168-1_K_c-644168-1-k.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_644168-1_K_c-644168-1-k.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

Agency Approvals

Agency Approval Document

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

SBCHE64R7K TE50BR39J 1743455-2 175977-2 2310537-1 2834055-1 3430B2F51RTDF MPT100C18RF CRGCQ2010J3K3 1-794222-0 3631B101LL 936348-1 141991-2 CPF0402B37K4E1 SMW73R0JT 1393431-1 1969656-1 2005330-1 2380312-2 650075-000 SBCHE154R7K 1-962915-1 3-1393225-0 U5254-000005-030PA 1903112-2 2-292161-3 2377783-2 917696-1 RH73H2A40MKTN ROX05SJ18R