644590-1 ✔ ACTIVE

MTA 156

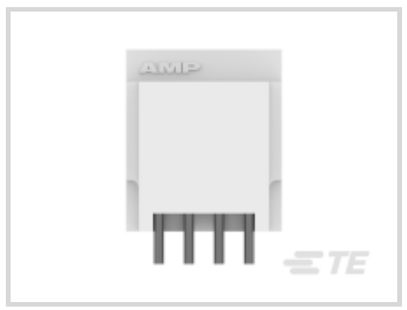
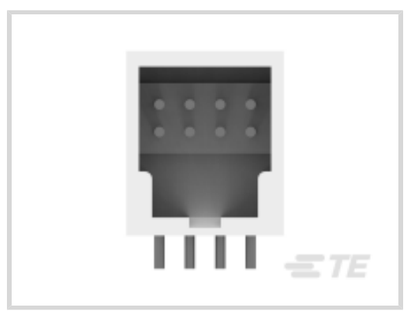
TE Internal #: 644590-1

PCB Mount Header, Right Angle, Wire-to-Board, 8 Position, 3.1 mm [.122 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, Power, MTA 156

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

Connector System: **Wire-to-Board**

Number of Positions: **8**

Centerline (Pitch): **3.1 mm [.122 in]**

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Connector Contact Load Condition	Fully Loaded
Number of Columns	4
Number of Loaded Positions	8
PCB Mount Orientation	Right Angle
Number of Positions	8

Number of Rows	2
Number of Power Positions	8

Electrical Characteristics

Operating Voltage	600 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Underplating Material	Nickel
Mating Pin Diameter	1.01 mm[.04 in]
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Size	1.01mm
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material Thickness	3.81 – 8.89 µm[150 – 350 µin]
Contact Shape & Form	Round
Contact Layout	Matrix
Contact Mating Area Length	7.11 mm[.28 in]
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	3.81 – 8.89 µm[150 – 350 µin]
Contact Type	Pin
Contact Current Rating (Max)	14.24 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

Termination Post & Tail Diameter	1.01 mm[.04 in]
Termination Post & Tail Length	3.25 mm[.128 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
PCB Mount Alignment	Without
Mating Retention	Without
PCB Mount Retention	Without

Connector Mounting Type	Board Mount
Mating Alignment	Without

Housing Features

Mating Entry Location	Side
Centerline (Pitch)	3.1 mm[.122 in]
Housing Material	Thermoplastic Polyester

Dimensions

Row-to-Row Spacing	2.7 mm[.106 in]
Connector Width	23.9 mm[.94 in]
Connector Height	18.1 mm[.712 in]
Connector Length	15.5 mm[.61 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

Compatible With Agency/Standards Products	CSA, UL
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	100
Packaging Method	Tray

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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 # 640383-7
07P MTA156 HDR ASSY STR SQ SN



TE Part # 640643-8
08P MTA156 COVER F/T



TE Part # 2-647125-4
04P MTA156 SHRD HDR ASSY LF



TE Part # 3-644754-8
08P MTA156 HDR ASSY SQ R/A F/L



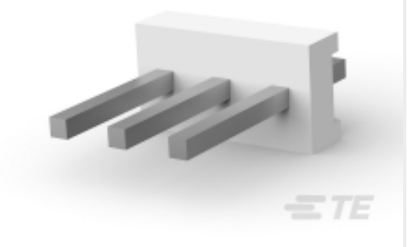
TE Part # 640385-8
08P MTA156 HDR ASSY SQ R/A



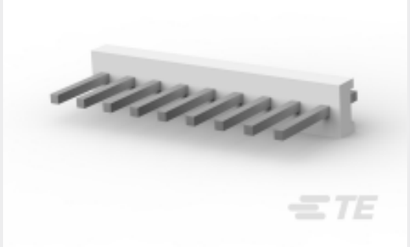
TE Part # 3-647180-8
08P MTA156 HDR ASSY W/O#7 LF



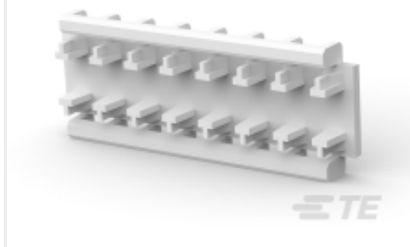
TE Part # 644968-4
08P MTA156 HDR ASSY OMIT#5,7



TE Part # 640383-3
03P MTA156 HDR ASSY STR SQ SN



TE Part # 640383-9
09P MTA156 HDR ASSY STR SQ SN



TE Part # 643071-8
08P MTA156 FD-THRU COVER



TE Part # 640551-8
08P MTA156 COVER



TE Part # 643067-8
08P MTA156 MOLDED COVER



TE Part # 640383-4
04P MTA156 HDR ASSY STR SQ SN



TE Part # 640383-8
08P MTA156 HDR ASSY STR SQ SN

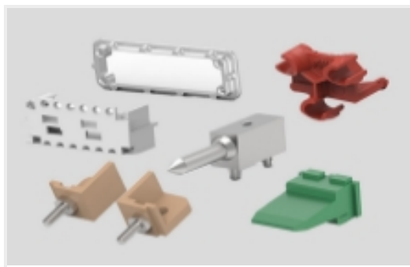
Also in the Series | MTA 156



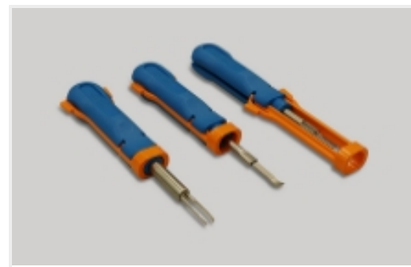
Connector Caps & Covers(89)



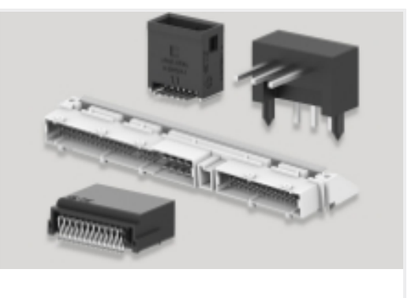
Connector Contacts(4)



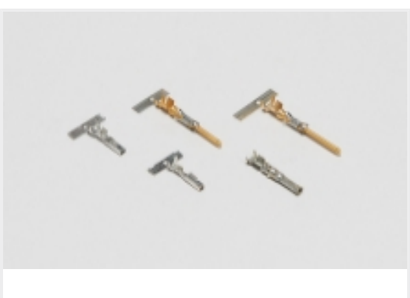
Connector Hardware(2)



Insertion & Extraction Tools(1)



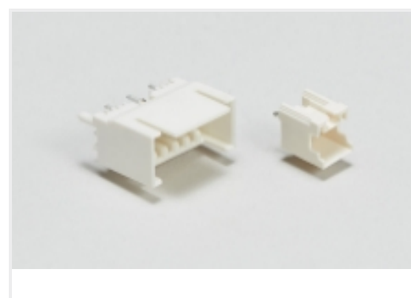
PCB Headers & Receptacles(677)



Power Contacts(3)



Rectangular Power Connectors(1178)



Wire-to-Board Headers & Receptacles (677)

Customers Also Bought



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



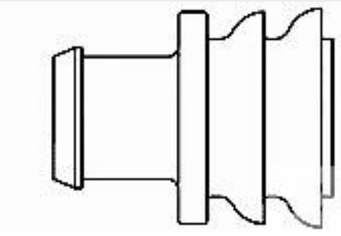
TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

Documents

Product Drawings

08P DUAL ROW R/A SHRD HDR SPCL

English

CAD Files

Customer View Model

ENG_CVM_644590-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_644590-1_F.3d_stp.zip

English

Customer View Model

ENG_CVM_644590-1_F.2d_dxf.zip

English

3D PDF

English

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Product Specifications

Application Specification

English

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