

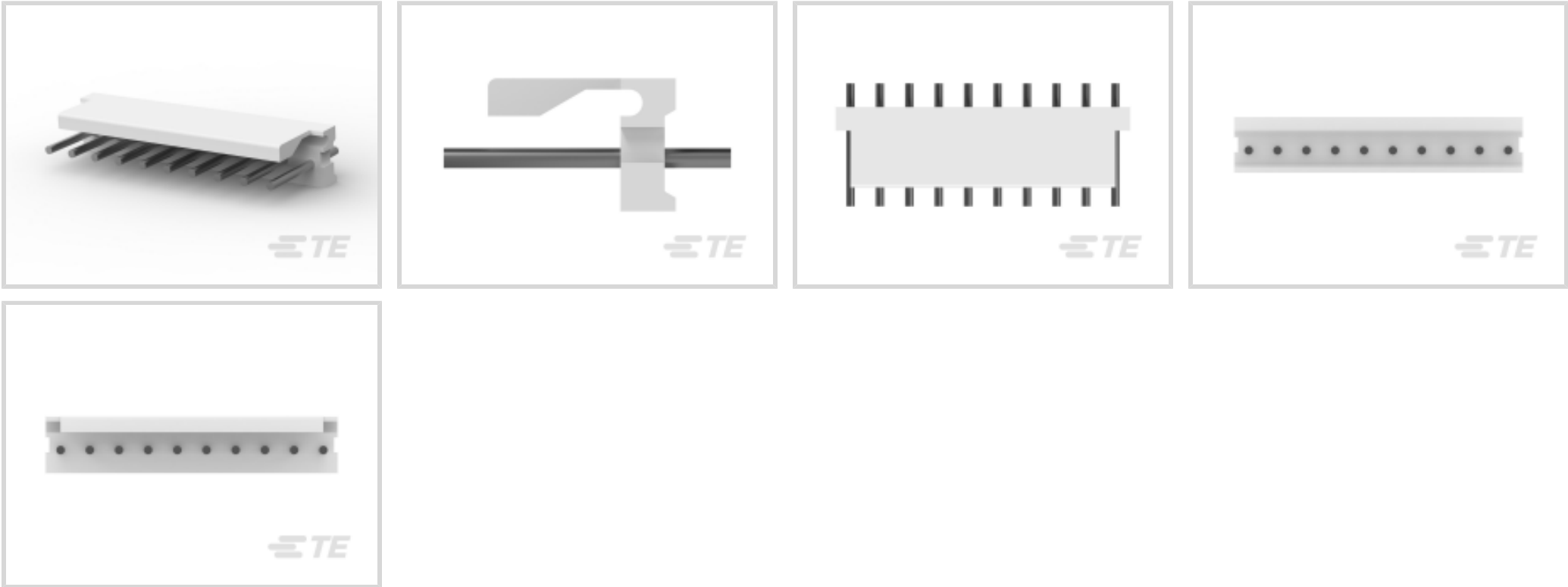


MTA 156

TE Internal #: 1-640388-0
PCB Mount Header, Vertical, Wire-to-Board, 10 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, Power, MTA 156

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Wire-to-Board**
Number of Positions: **10**
Number of Rows: **1**

Features

Electrical Characteristics

Operating Voltage	600 VAC
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Dimensions

Connector Width	7.62 mm[.3 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	10.79 mm[.425 in]
Connector Length	39.62 mm[1.56 in]

Packaging Features

Packaging Quantity	500
Packaging Method	Package

Industry Standards

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



UL Flammability Rating	UL 94V-0
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Usage Conditions

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

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Friction Lock
Mating Retention	With
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	Without

Termination Features

Termination Post & Tail Diameter	1.14 mm[.045 in]
Termination Post & Tail Length	3.18 mm[.125 in]
Termination Method to PCB	Through Hole - Solder

Contact Features

Contact Underplating Material	Nickel
Mating Pin Diameter	1.14 mm[.045 in]
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Size	1.14mm
Contact Mating Area Plating Material Thickness	2.54 µm[100 µin]
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Shape & Form	Round
Contact Layout	Inline
Contact Mating Area Length	10.16 mm[.4 in]
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	14.24 A

Housing Features

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Mating Entry Location	Top
Housing Material	Thermoplastic Polyester - Glass-Filled
Centerline (Pitch)	3.96 mm[.156 in]

Configuration Features

Number of Columns	10
Number of Loaded Positions	10
Number of Power Positions	10
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	10
Number of Rows	1

Product Type Features

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

Body Features

Primary Product Color	Natural
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Operation/Application

Circuit Application	Power
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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

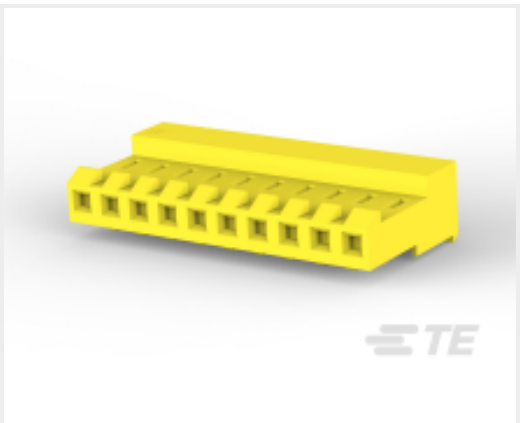
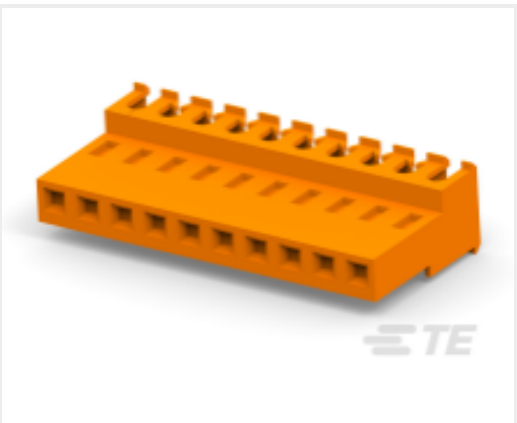


EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

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 # 1-640551-0 10P MTA156 COVER	 TE Part # 4-640429-0 10P MTA156 CONN ASSY 24AWG WHT	 TE Part # 4-640427-0 10P MTA156 CONN ASSY 20AWG YEL	 TE Part # 4-640604-0 10P MTA156 CONN ASSY 18AWG LF
 TE Part # 4-640601-0 10P MTA156 CONN ASSY 22AWG LF	 TE Part # 4-640599-0 10P MTA156 CONN ASSY 18AWG ORA	 TE Part # 1-640643-0 10P MTA156 COVER F/T	 TE Part # 4-643817-0 10P MTA156 CONN ASSY 18AWG LF



TE Part # 4-640431-0
10P MTA156 CONN ASSY 18AWG
ORA

TE Part # 1-643067-0
10P MTA156 MOLDED COVER

TE Part # 4-640605-0
10P MTA156 CONN ASSY 20AWG LF

TE Part # 4-643820-0
10P MTA156 CONN ASSY 24AWG LF

TE Part # 1-640251-0
10P SL156 HSG W/O LCK RAMP

TE Part # 4-640432-0
10P MTA156 CONN ASSY 20AWG YEL

TE Part # 4-640428-0
10P MTA156 CONN ASSY 22AWG RED

TE Part # 4-640430-0
10P MTA156 CONN ASSY 26AWG BLU

TE Part # 4-644462-0
10P MTA156 CONN ASSY 20AWG LF

TE Part # 4-644467-0
10P MTA156 CONN ASSY 22AWG LF

TE Part # 4-643818-0
10P MTA156 CONN ASSY 20AWG YEL

TE Part # 4-644465-0
10P MTA156 CONN ASSY 18AWG
ORA

Also in the Series | MTA 156

Connector Caps & Covers(89)

Connector Contacts(4)

Connector Hardware(2)

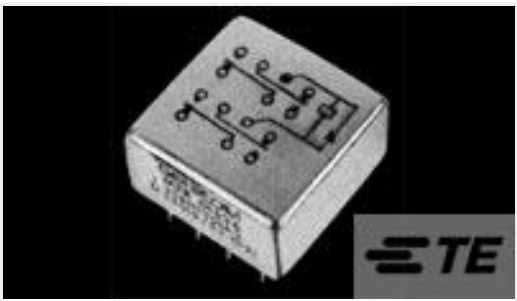
Power Contacts(3)

Rectangular Power Connectors(331)

Standard Rectangular Connectors(336)

Wire-to-Board Headers & Receptacles
(677)

Customers Also Bought



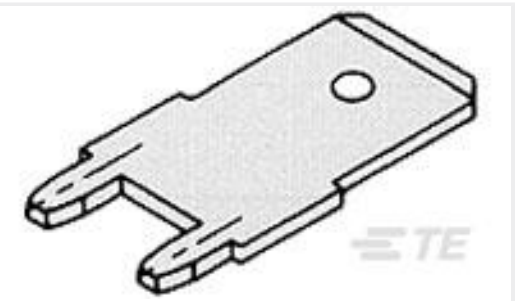
TE Part #2-1617076-6
3SBH1231A2 = M39016/53-012M



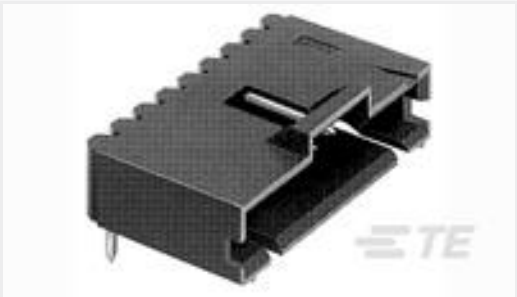
TE Part #1-103308-0
050 LOPRO HDR SP 15DP



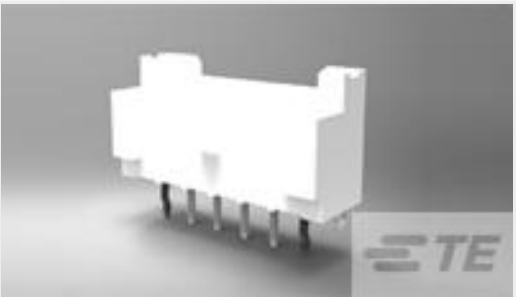
TE Part #5569262-1
STK MJ ASSY,8POS,2X4,SHLD,CAT5



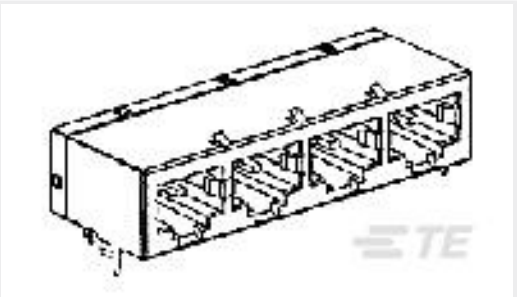
TE Part #1217056-1
250 FASTON,PCB TAB,TPBR



TE Part #6-104935-3
14 MTE HDR SRRA LTCH.100CL LF



TE Part #2132230-2
EP2.5 Shrouded HDR ASSY 2P VER



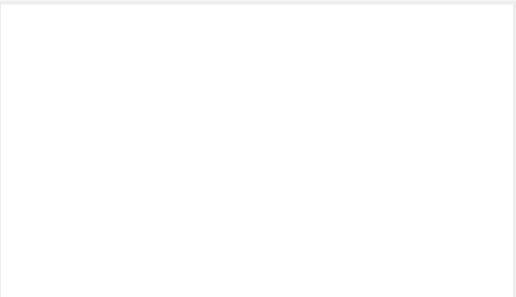
TE Part #5558524-1
MJ,1X4,R/A,8P,PNL GND,CAT5 NT



TE Part #4-1744524-5
EP 05P HEADER ASY NO #3 PIN



TE Part #2071452-9
RZ0H-1A4-D012-R0001 (TES)



TE Part #2071452-2
RZ03-1A4-D009-R0001 (TES)

Documents

Product Drawings

10P MTA156 HDR ASSY RN STR F/L

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-640388-0_AD.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-640388-0_AD.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-640388-0_AD.3d_stp.zip

English

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Product Specifications



Application Specification

English

Agency Approvals

UL Report

English