3-640445-8 ✔ ACTIVE

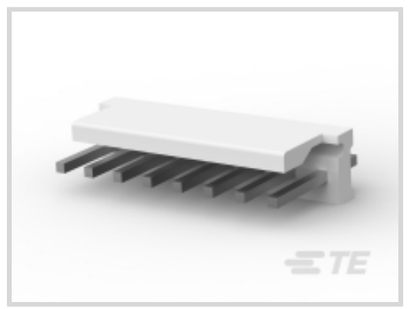
MTA 156

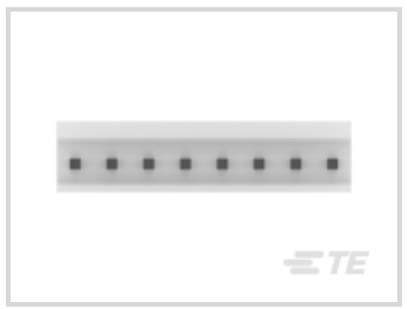
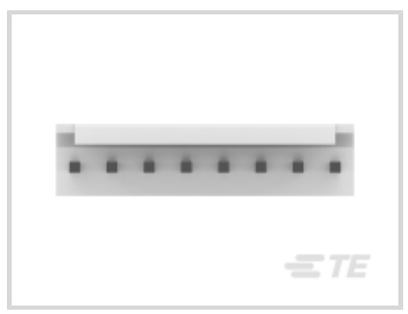
TE Internal #: 3-640445-8

PCB Mount Header, Vertical, Wire-to-Board, 8 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin (Sn), Through Hole - Solder, MTA 156

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **8**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

Number of Columns	8
Number of Loaded Positions	8
Number of Power Positions	8
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical

Number of Positions	8
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Size	1.14mm
Contact Mating Area Plating Material Thickness	2.54 µm[100 µin]
Mating Square Post Dimension	1.14 mm[.045 in]
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
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 (Sn)
Contact Type	Tab
Contact Current Rating (Max)	14.24 A

Termination Features

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

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

Housing Features

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

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	31.7 mm[1.248 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, VDE
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	1000
Packaging Method	Box

Product Compliance

For compliance documentation, visit the product page on TE.com>

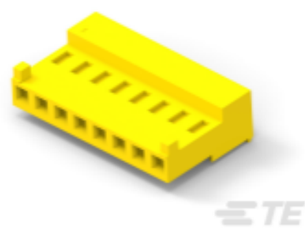
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241)

	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 # 3-644462-8
08P MTA156 CONN ASSY 20AWG LF



TE Part # 3-643820-8
08P MTA156 CONN ASSY 24AWG LF



TE Part # 3-640429-8
08P MTA156 CONN ASSY 24AWG WHT



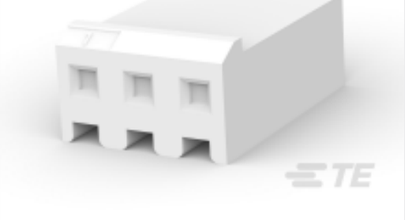
TE Part # 3-644467-8
08P MTA156 CONN ASSY 22AWG LF



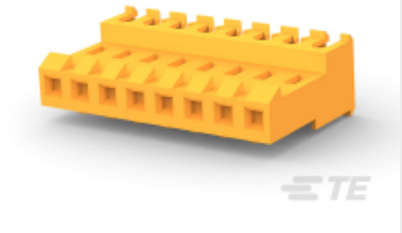
TE Part # 640643-8
08P MTA156 COVER F/T



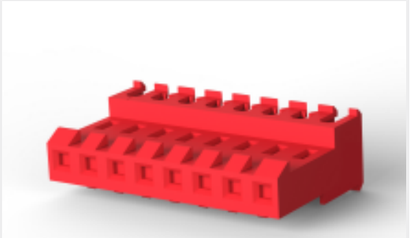
TE Part # 3-640428-8
08P MTA156 CONN ASSY 22AWG RED



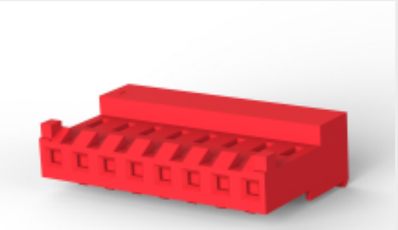
TE Part # CAT-103156-WBHSM
Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156



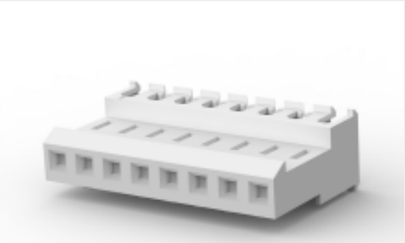
TE Part # 3-640599-8
08P MTA156 CONN ASSY 18AWG ORA



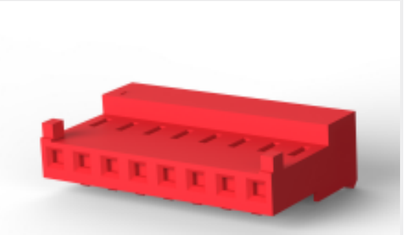
TE Part # 3-640601-8
08P MTA156 CONN ASSY 22AWG LF



TE Part # 3-643819-8
08P MTA156 CONN ASSY 22AWG RED



TE Part # 3-640602-8
08P MTA156 CONN ASSY 24AWG LF



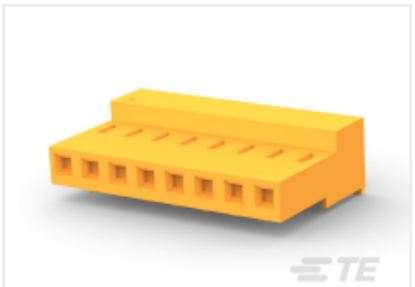
TE Part # 3-644463-8
08P MTA156 CONN ASSY 22AWG RED



TE Part # 3-643818-8
08P MTA156 CONN ASSY 20AWG YEL



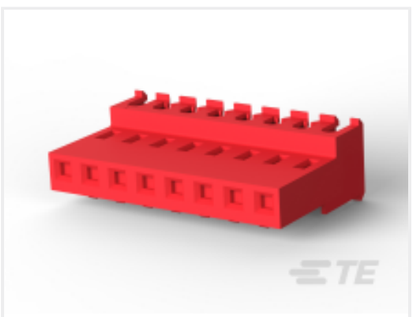
TE Part # 1-641938-1
08P MTA156 HDR ASSY STR F/L W/



TE Part # 3-640431-8
08P MTA156 CONN ASSY 18AWG ORA



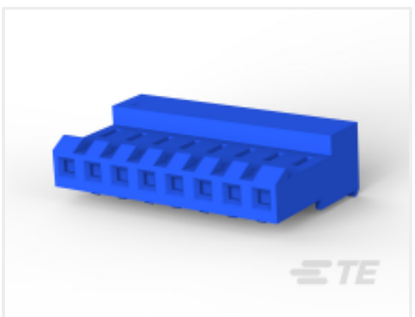
TE Part # 3-640433-8
08P MTA156 CONN ASSY 22AWG RED



TE Part # 3-640606-8
08P MTA156 CONN ASSY 22AWG LF



TE Part # 3-643817-8
08P MTA156 CONN ASSY 18AWG ORA



TE Part # 3-640430-8
08P MTA156 CONN ASSY 26AWG BLU



TE Part # 3-644860-8
08P MTA156 CONN ASSY 18AWG LF

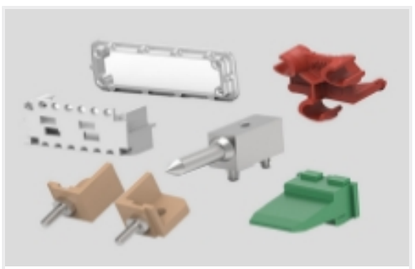
Also in the Series | MTA 156



Connector Caps & Covers(89)



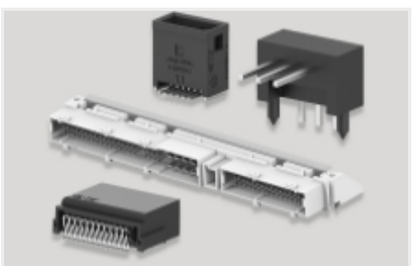
Connector Contacts(4)



Connector Hardware(2)



Insertion & Extraction Tools(1)



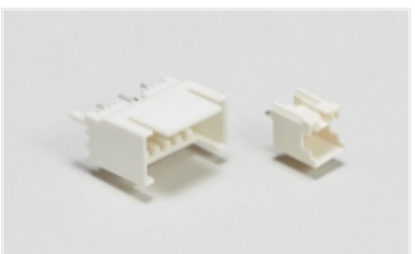
PCB Headers & Receptacles(677)



Power Contacts(3)



Rectangular Power Connectors(1178)



Wire-to-Board Headers & Receptacles (677)

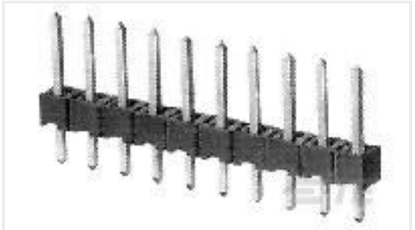
Customers Also Bought



TE Part #2-1623773-7
C10 47R 5% (LOOSE)



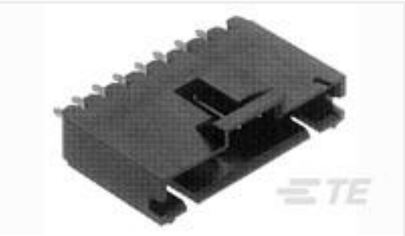
TE Part #5-520314-7
TRIOMATE ASSY H 7P L=2.54 LDFR



TE Part #1-826629-4
14P AMPMODU II HEADER



TE Part #1-338313-2
9POS.HD-20 REC.ASSY



TE Part #5-103908-3
04 MTE HDR SRST LATCH W/HLDWN



TE Part #2-1761603-7
IDC LOW PRO HDR 20P VERT BLUE



TE Part #338070-4
MICRO-MATCH FEM.SE



TE Part #1825002-5
ADF0404=DIP SWT,FLUSH,THRU/HL



TE Part #4-1676966-3
SMW2 5R6 5%



TE Part #215464-4
04P.MICRO-MATCH MOB

Documents

Product Drawings

08P MTA156 HDR ASSY FL/STR SN

English

CAD Files

Customer View Model

ENG_CVM_CVM_3-640445-8_AL.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-640445-8_AL.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-640445-8_AL.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English