



MTA 156

TE Internal #: 3-644615-7

PCB Mount Header, Vertical, Wire-to-Board, 7 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin (Sn), Through Hole - Solder, MTA 156

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **7**

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

Connector Contact Load Condition	Fully Loaded
Number of Columns	7
Number of Loaded Positions	7
Keying & Polarized Position Locations	4&5
Number of Power Positions	7



PCB Mount Orientation	Vertical
Number of Positions	7
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Primary Product Color	Natural
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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	3.81 – 8.89 µm[150 – 350 µin]
Mating Square Post Dimension	1.14 mm[.045 in]
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material Thickness	3.81 – 8.89 µm[150 – 350 µin]
Contact Layout	Inline
Contact Mating Area Length	11.43 mm[.45 in]
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Tab
Contact Current Rating (Max)	14.24 A

Termination Features

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

Mechanical Attachment

Panel Mount Feature	Without
PCB Mount Retention Type	Tab
Mating Alignment Type	Backwall Interruptions Between Posts



Mating Retention Type	Polarized Lock
Mating Retention	With
PCB Mount Alignment Type	Peg
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

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

Dimensions

Connector Width	10.79 mm[.425 in]
Connector Height	13.84 mm[.545 in]
Connector Length	27.61 mm[1.087 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
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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	500
Packaging Method	Package

Product Compliance

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

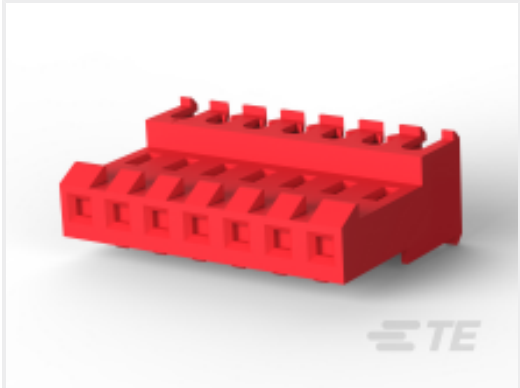


EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

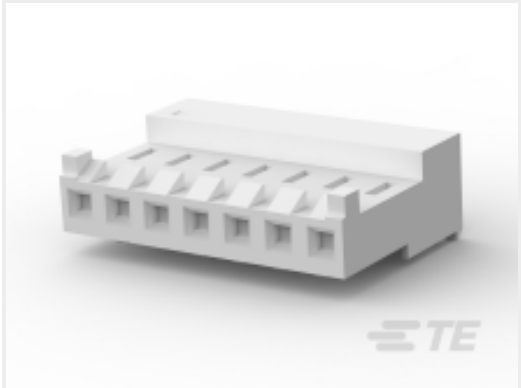
Product Compliance Disclaimer

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 # 3-640601-7
07P MTA156 CONN ASSY 22AWG LF



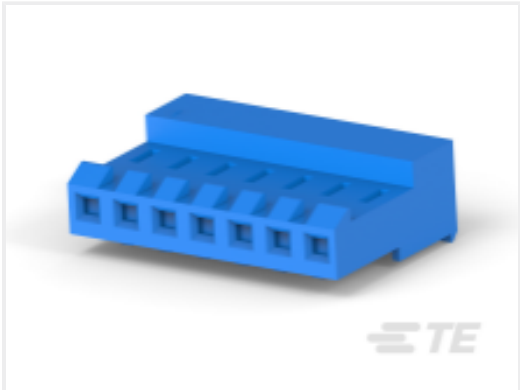
TE Part # 3-643820-7
07P MTA156 CONN ASSY 24AWG LF



TE Part # 3-640600-7
07P MTA156 CONN ASSY 20AWG LF



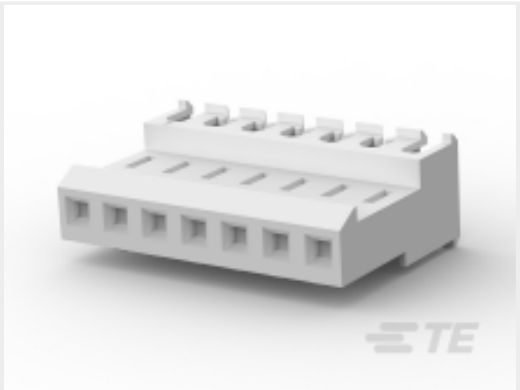
TE Part # 3-640433-7
07P MTA156 CONN ASSY 22AWG RED



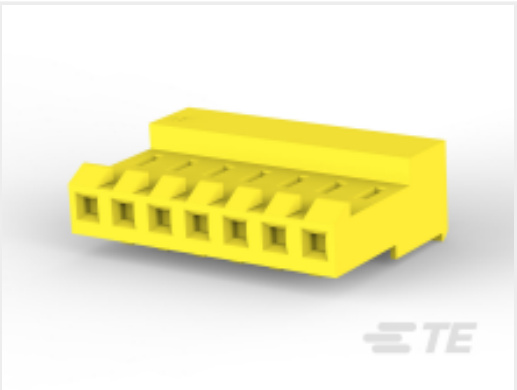
TE Part # 3-640430-7
07P MTA156 CONN ASSY 26AWG BLU



TE Part # 3-640428-7
07P MTA156 CONN ASSY 22AWG RED



TE Part # 3-640602-7
07P MTA156 CONN ASSY 24AWG LF



TE Part # 3-640427-7
07P MTA156 CONN ASSY 20AWG YEL



TE Part # 3-644463-7
07P MTA156 CONN ASSY 22AWG RED

TE Part # 3-640432-7
07P MTA156 CONN ASSY 20AWG YEL

TE Part # 3-640604-7
07P MTA156 CONN ASSY 18AWG LF

TE Part # 3-640606-7
07P MTA156 CONN ASSY 22AWG LF

TE Part # 3-643819-7
07P MTA156 CONN ASSY 22AWG RED

TE Part # 3-640435-7
07P MTA156 CONN ASSY 26AWG LF

TE Part # 3-640426-7
07P MTA156 CONN ASSY 18AWG ORA

TE Part # 643067-7
07P MTA156 MOLDED COVER

TE Part # 643071-7
07P MTA156 FD-THRU COVER

TE Part # 640551-7
07P MTA156 COVER

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

TE Part # 3-644462-7
07P MTA156 CONN ASSY 20AWG LF

Also in the Series | MTA 156

Connector Caps & Covers(89)

Connector Contacts(4)

Connector Hardware(2)

PCB Headers & Receptacles(677)

Power Contacts(3)

Rectangular Power Connectors(1178)

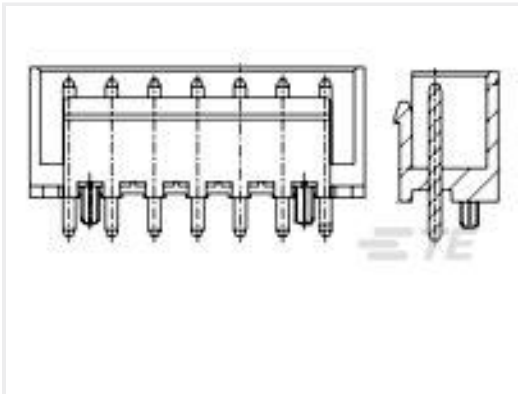
Standard Rectangular Connectors(667)

Customers Also Bought





TE Part #2-2071448-2
[ORWH-SS-109DM1F,000](#)



TE Part #1744357-7
[3.96 EP SHROUDED HDR ASSY 7P W /PEGS](#)



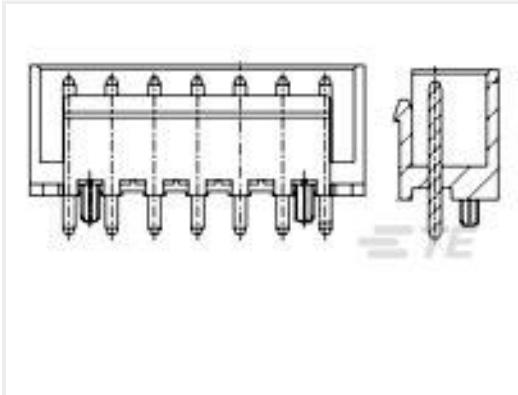
TE Part #2-5747707-0
[15 RCPT SP/FMS BRDLK](#)



TE Part #1-643464-2
[07P MTA156 HDR ASSY W/O#2,4,5](#)



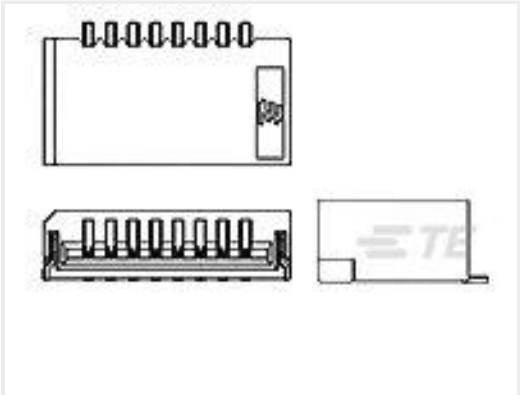
TE Part #1-770873-0
[03P MINI UMNL HDR ASSY SN](#)



TE Part #1744357-3
[3.96 EP SHROUDED HDR ASSY 3P W](#)



TE Part #1744057-9
[3.96 EP HDR ASSY 9P W/PEGS](#)



TE Part #1-84981-0
[1MM FFC SMT H ASSY 10P EMBOSS](#)

TE Part #1744357-2
[3.96 EP SHROUDED HDR ASSY 2P W](#)

TE Part #1744490-5
[05P EP SHRD HDR ASMY, BLACK](#)

Documents

Product Drawings

[07P MTA156 POL LOCK HDR TIN](#)

English

CAD Files

Customer View Model

[ENG_CVM_3-644615-7_J.2d_dxf.zip](#)

English

[3D PDF](#)

English

Customer View Model

[ENG_CVM_3-644615-7_J.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_3-644615-7_J.3d_stp.zip](#)

English

[3D PDF](#)

3D



Customer View Model

[ENG_CVM_CVM_3-644615-7_E.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-644615-7_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-644615-7_E.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL](#)

English