

644753-7 ✓ ACTIVE

MTA | MTA 156

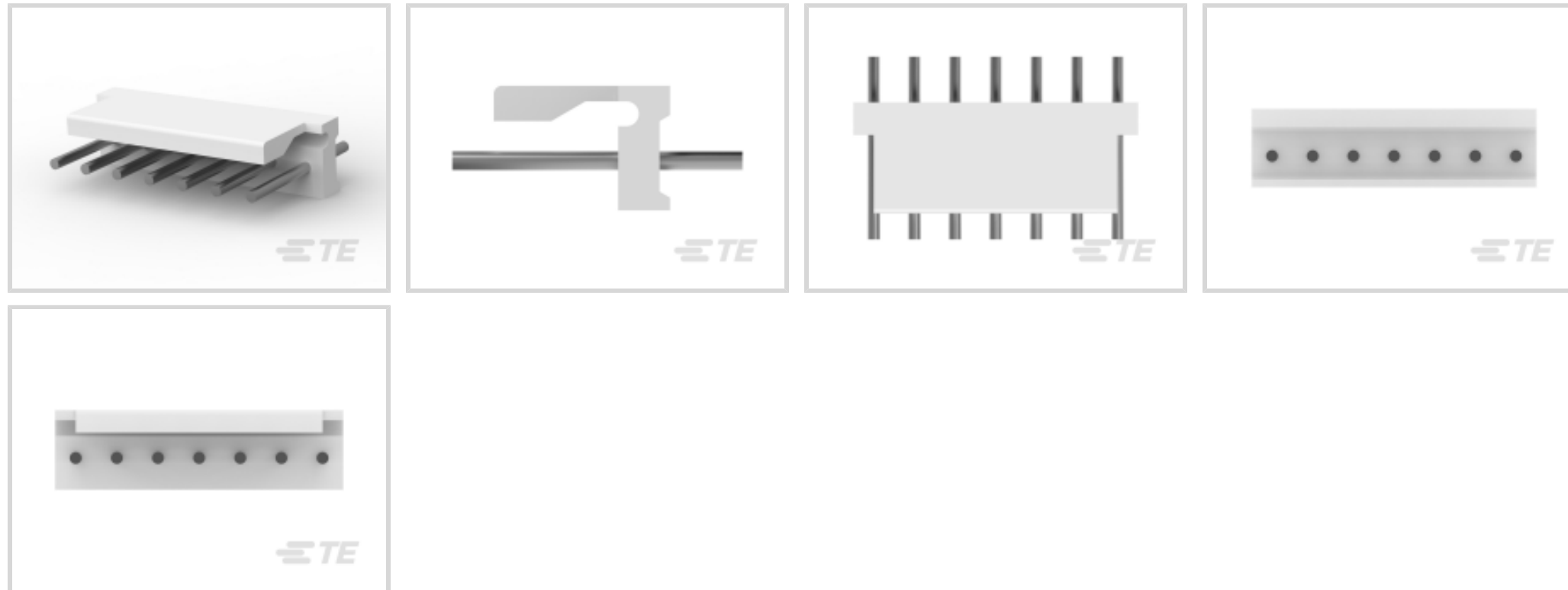
TE Internal #: 644753-7

MTA 156, PCB Mount Header, Vertical, Wire-to-Board, 7 Position,
3.96mm [.156in] Centerline, 1 Row, Tin, Natural Housing Color,
Partially Shrouded

[View on TE.com >](#)



Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **7**

Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Operating Voltage	600 VAC
-------------------	---------

Contact Features

Contact Layout	Inline
----------------	--------



Contact Mating Area Length	10.16 mm[.4 in]
Contact Retention Within Housing	Without
PCB Contact Termination Area Plating Material Thickness	2.54 μ m[100 μ in]
Mating Pin Diameter	1.14 mm[.045 in]
Contact Underplating Material Thickness	1.27 μ m[50 μ in]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Round
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	2.54 μ m[100 μ in]
Contact Type	Post
Contact Current Rating (Max)	7 A

Termination Features

Round Termination Post & Tail Diameter	1.14 mm[.045 in]
Termination Post & Tail Length	4.45 mm[.175 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	3.96 mm[.156 in]
Housing Color	Natural
Housing Material	Thermoplastic Polyester



Dimensions

Connector Length	27.76 mm[1.092 in]
Connector Height	13.34 mm[.525 in]
Connector Width	7.62 mm[.3 in]
PCB Thickness (Recommended)	2.77 mm[.109 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power
---------------------	-------

Industry Standards

CSA Rating	Certified
UL Flammability Rating	UL 94V-0
Agency/Standard	CSA, UL
CSA File Number	LR7189
UL Rating	Recognized
UL File Number	E28476

Packaging Features

Packaging Quantity	1
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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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
3.96mm Wire-to-board housing:
receptacle, with mating alignment, SL
156



TE Part # CAT-103156-WBHSN
3.96mm Wire-to-board housing:
receptacle, no mating alignment, SL
156



TE Part # 3-640429-7
07P MTA156 CONN ASSY 24AWG
WHT



TE Part # 3-640599-7
07P MTA156 CONN ASSY 18AWG
ORA



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



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



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



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



TE Part # 640551-7
07P MTA156 COVER



TE Part # 3-640431-7
07P MTA156 CONN ASSY 18AWG
ORA



TE Part # 3-643817-7
07P MTA156 CONN ASSY 18AWG
ORA



TE Part # 3-643818-7
07P MTA156 CONN ASSY 20AWG YEL



TE Part # 643067-7
07P MTA156 MOLDED COVER



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



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



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




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



TE Part # CAT-103156-RECHS
3.96mm Rectangular connector housing: 1 row, Nylon, SL 156




TE Part # 3-644465-7
07P MTA156 CONN ASSY 18AWG ORA




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


Also in the Series | **MTA 156**



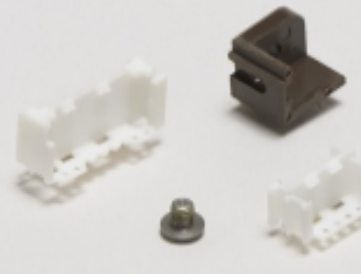
Insertion & Extraction Tools(1)




PCB Connector Covers(92)




PCB Connector Keying(2)



PCB Connector Mounting(1)




Power Contacts(3)




Rectangular Caps & Covers(1)



Rectangular Power Connectors(748)



Standard Rectangular Connectors (1309)



Wire-to-Board Connector Contacts(12)



Wire-to-Board Headers & Receptacles (729)

Customers Also Bought



TE Part #3-2176388-8
RQ 1206 24R3 0.1% 10PPM 5K RL



TE Part #4-1879355-9
RR03 5% 430K AMMO



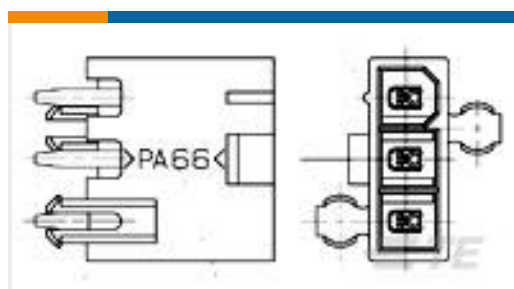
TE Part #1-368405-2
PRESS FIT PIN TERMINALS



TE Part #1437284-1
#2775012-001=BLLENDE X321



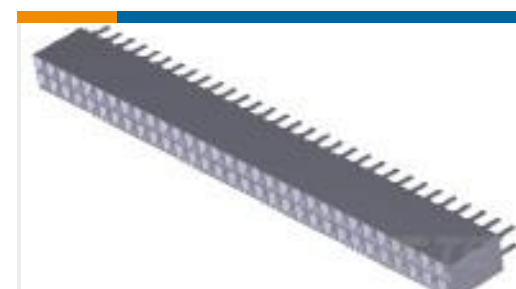
TE Part #102589-5
50 MODII 2PC HDR DRRR SHRDR



TE Part #2029167-5
5P VAL-U-LOK SR HDR SN V0 WODH



TE Part #225831-1
KIT, ARINC COAXICON SOCKET, SZ 1



TE Part #3-534206-1
62 MODII VRT DR CE 100/115



TE Part #376588-000
44A1121-16-0/2-0



TE Part #965555-1
DECKEL FUER 965554

Documents

Product Drawings

[07P MTA156 HDR ASSY RN STR F/L](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_644753-7_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_644753-7_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_644753-7_D.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[MTA, CST-100 II, SL-156 and AMP Economy Power \(EP\) Connectors](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English

Agency Approvals

[Agency Approval Document](#)

644753-7

MTA 156, PCB Mount Header, Vertical, Wire-to-Board, 7 Position, 3.96mm [.156in]
Centerline, 1 Row, Tin, Natural Housing Color, Partially Shrouded



English