1-640387-5 ✔ ACTIVE

MTA 156

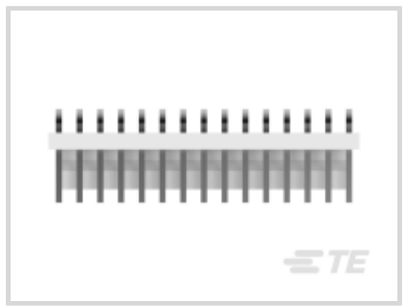
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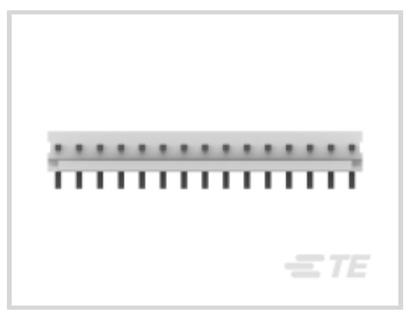
PCB Mount Header, Right Angle, Wire-to-Board, 15 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, MTA 156

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







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

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

Number of Positions: **15**

Number of Rows: **1**

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

Features

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

Configuration Features

Number of Power Positions	15
Number of Columns	15
Number of Loaded Positions	15
Connector Contact Load Condition	Fully Loaded
Number of Positions	15
Number of Rows	1

PCB Mount Orientation	Right Angle

Electrical Characteristics

Operating Voltage	600 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Mating Area Length	10.16 mm[.4 in]
Contact Size	1.14mm
Mating Square Post Dimension	1.14 mm[.045 in]
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Layout	Inline
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	2.54 µm[100 µin]
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
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

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

Housing Features

Right Angle Bending Side	Rear
Mating Entry Location	Side
Housing Material	Thermoplastic Polyester - Glass-Filled
Centerline (Pitch)	3.96 mm[.156 in]

Dimensions

Connector Length	59.44 mm[2.34 in]
Connector Height	7.62 mm[.3 in]
Connector Width	10.79 mm[.425 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

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

Packaging Features

Packaging Quantity	250
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 # 644958-1
15P MTA156 HDR ASSY,R/A,OMIT



TE Part # 1-643067-5
15P MTA156 MOLDED COVER



TE Part # 1-640551-5
15P MTA156 COVER



TE Part # 1-640251-5
15P SL156 HSG W/O LCK RAMP



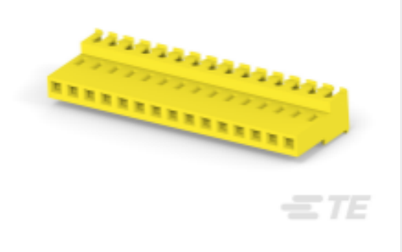
TE Part # 1-643071-5
15P 156 CL MTA FD/TH COVER



TE Part # 1-770996-5
15P SL 156 HSG W/TABS W/O LR



TE Part # 1-640643-5
15P MTA156 COVER F/T



TE Part # 4-640605-5
15P MTA156 CONN ASSY 20AWG LF



TE Part # 644999-1
15P MTA156 HD ASY FL RN SN WO4

Also in the Series | MTA 156



Connector Caps & Covers(89)



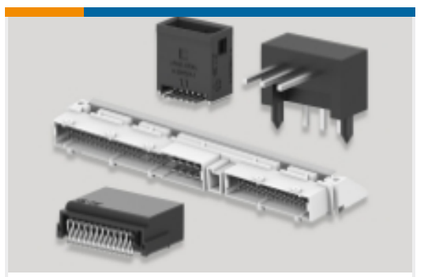
Connector Contacts(4)



Connector Hardware(2)



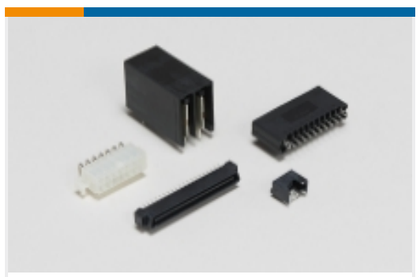
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(677)



Rectangular Power Connectors(331)

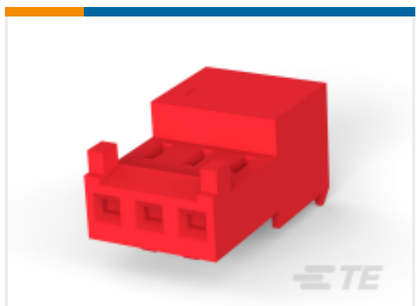


Standard Rectangular Connectors(336)

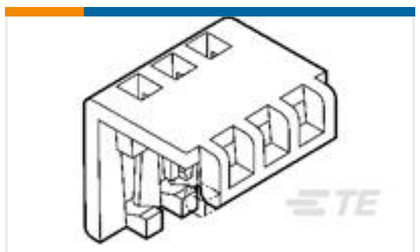
Customers Also Bought



TE Part #66504-9
SOCKET CONTACT, 20 DF



TE Part #3-643813-8
Nylon Tin Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100



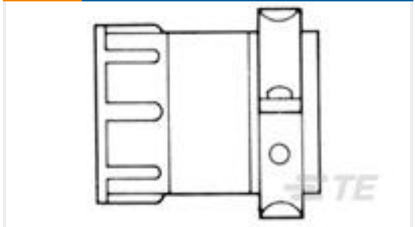
TE Part #1-643075-0
10P MTA100 MOLDED COVER



TE Part #2309410-2
DDR4 SODIMM 260P 5.2H RVS



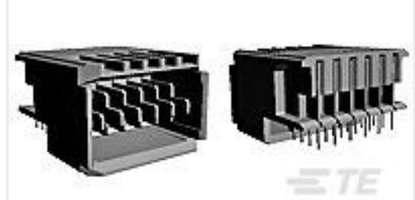
TE Part #206485-1
CPC PLUG ASSEMBLY SIZE 11-9



TE Part #206358-5
CABLE CLAMP ASY, SIZE 11



TE Part #5650859-5
ASSEMBLY,RECEPTACLE,EUROCARD, T



TE Part #5646954-1
UPM EXPANDED PIN, RA 4P ASSEMBLY



TE Part #2-2170754-9
CAGE ASSY, QSFP28 1X1, GASKET, HS, LP

Documents

Product Drawings

15P MTA156 HDR ASSY SQ R/A

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-640387-5_AJ.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-640387-5_AJ.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-640387-5_AJ.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English