3-641209-3 ✔ ACTIVE

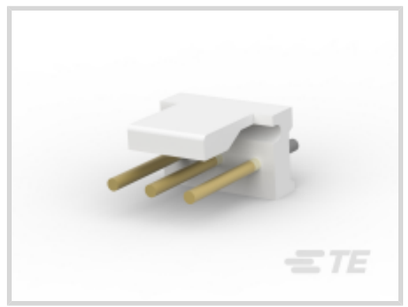
MTA 156

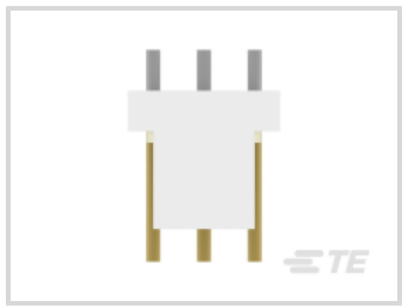
TE Internal #: 3-641209-3

PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Gold (Au), 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: **3**

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

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	3
Number of Loaded Positions	3
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	3

Number of Rows	1
Number of Power Positions	3

Electrical Characteristics

Operating Voltage	600 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Underplating Material	Nickel
Mating Pin Diameter	1.14 mm[.045 in]
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Size	1.14mm
PCB Contact Termination Area Plating Material Thickness	3.81 – 8.89 µm[150 – 350 µin]
Contact Shape & Form	Round
Contact Layout	Inline
Contact Mating Area Length	10.16 mm[.4 in]
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold (Au)
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Type	Pin
Contact Current Rating (Max)	14.24 A
PCB Contact Termination Area Plating Material	Tin

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

Mechanical Attachment

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
Mating Alignment	Without

Housing Features

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

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	11.89 mm[.468 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
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	2000
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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold

EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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



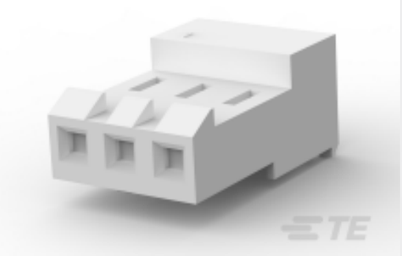
TE Part # 3-644663-3
03P MTA156 CONN ASSY 20AWG LF



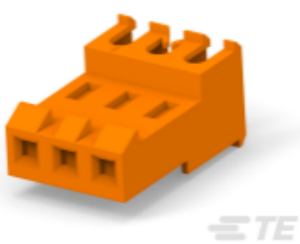
TE Part # 643071-3
03P MTA156 FD-THRU COVER



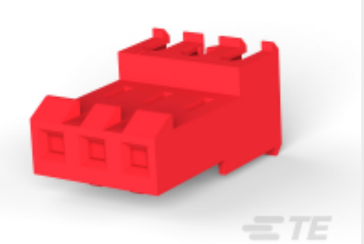
TE Part # 3-641218-3
03P MTA156 CONN ASSY 20AWG LF



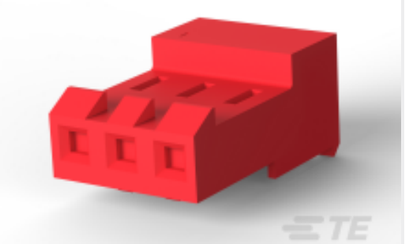
TE Part # 3-641220-3
03P MTA156 CONN ASSY 24AWG LF



TE Part # 3-641227-3
03P MTA156 CONN ASSY 18AWG LF



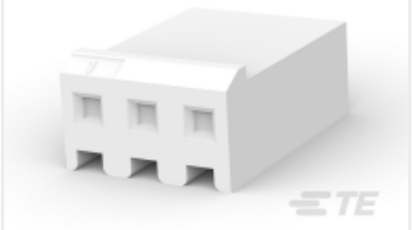
TE Part # 3-641229-3
03P MTA156 CONN ASSY 22AWG LF



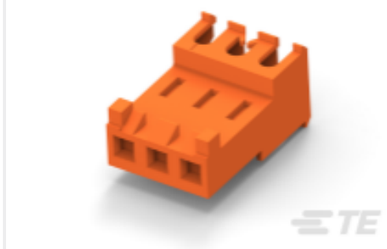
TE Part # 3-641219-3
03P MTA156 CONN ASSY 22AWG RED



TE Part # 3-641217-3
03P MTA156 CONN ASSY 18AWG ORA



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



TE Part # 3-644718-3
03P MTA156 CONN ASSY 18AWG ORA



TE Part # 3-644460-3
03P MTA156 CONN ASSY 18AWG ORA



TE Part # 3-644662-3
03P MTA156 CONN ASSY 22AWG LF



TE Part # 643067-3
03P MTA156 MOLDED COVER



TE Part # 640251-3
03P SL156 HSG W/O RAMP NATL



TE Part # 640643-3
03P MTA156 COVER F/T



TE Part # 640551-3
03P MTA156 COVER

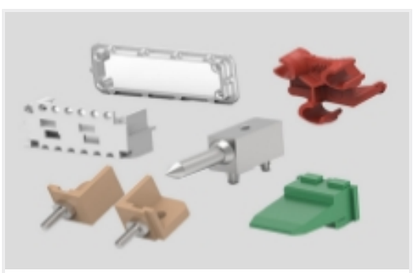
Also in the Series | MTA 156



Connector Caps & Covers(89)



Connector Contacts(4)



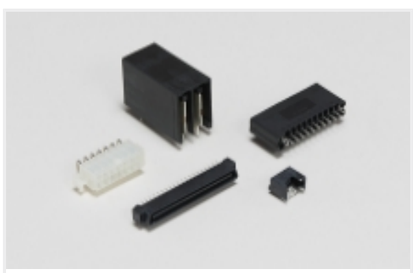
Connector Hardware(2)



Power Contacts(3)



Rectangular Power Connectors(1178)



Standard Rectangular Connectors(667)

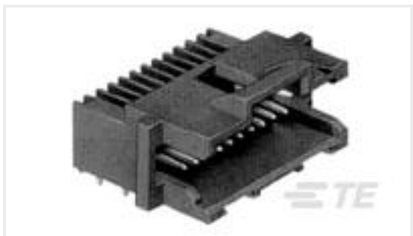


Wire-to-Board Connector Assemblies & Housings(594)

Customers Also Bought



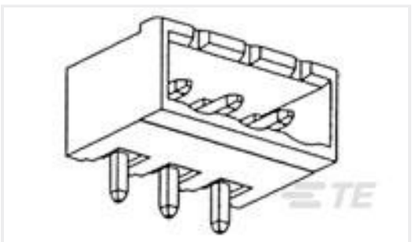
TE Part #5-103635-1
02 MTE HDR SRRA LTCH.100CL LF



TE Part #5-104069-4
10 sys 50 hdr drra shrd sn



TE Part #1-534998-0
20 MODIV VRT DR CE 100/125



TE Part #796645-2
2POS 5.0MM CE R/A HDR,TRM BLK



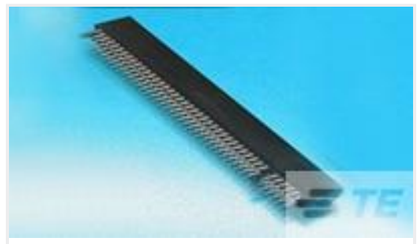
TE Part #1053354-1
2062 0000 00,SMA PCB VERT JACK



TE Part #5-1879354-8
RR03 5% 75R AMMO



TE Part #2-2176093-0
RP 2A 0.25W 15K 0.1% 25PPM 1K RL



TE Part #5-5530843-3
CONN SEC II 17 POS 100C/L



TE Part #CAT-SU763-H342
SUPERSEAL 1.0 Connector Headers

Documents

CAD Files

Customer View Model
ENG_CVM_CVM_3-641209-3_AE.2d_dxf.zip

English

3D PDF

3D

Customer View Model
ENG_CVM_CVM_3-641209-3_AE.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_3-641209-3_AE.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English