2-647123-6 ✔ ACTIVE

MTA 156

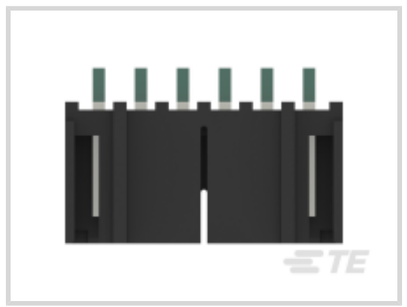
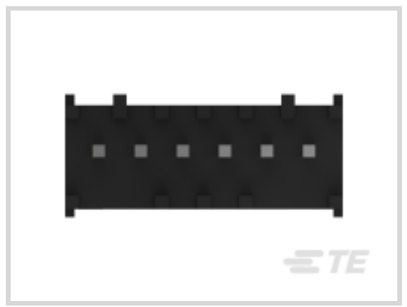
TE Internal #: 2-647123-6

Header, Plug, Wire-to-Board, 6 Position, 3.96 mm [.156 in] Centerline, Printed Circuit Board, UL 94V-0, MTA 156, Rectangular Power Connectors

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors




Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **6**

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

Features

Product Type Features

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	6
PCB Mount Orientation	Vertical
Number of Power Positions	6
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC

Body Features

Connector Profile	Standard

Contact Features

Mating Post Length	7.62 mm[.3 in]
PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
Contact Layout	Inline
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	7 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	3.81 – 8.89 µm[150 – 350 µin]

Termination Features

Termination Post & Tail Length	2.92 mm[.115 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Polarization
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Retention Type	Latch Detent
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Connector Height	13.34 mm[.525 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Product Length	26.16 mm[1.03 in]
Compatible Insulation Diameter Range	.89 – 1.53 mm

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

CSA Rating	Certified, LR 7189
UL Rating	Recognized
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	500
Packaging Method	Bag

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 240°C

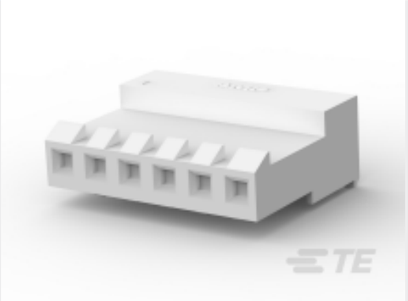
Product Compliance Disclaimer

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
Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156



TE Part # 3-640429-6
06P MTA156 CONN ASSY 24AWG WHT



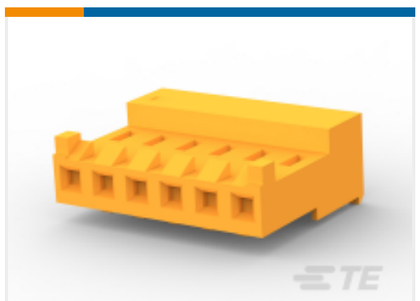
TE Part # 643067-6
06P MTA156 MOLDED COVER



TE Part # 640551-6
06P MTA156 COVER



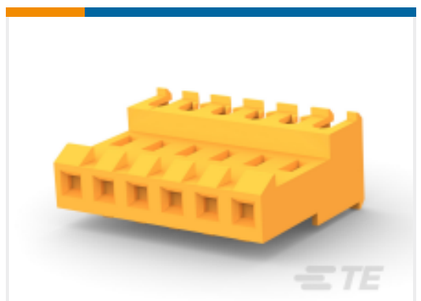
TE Part # 3-644566-6
06P MTA156 CONN ASSY 22AWG LF



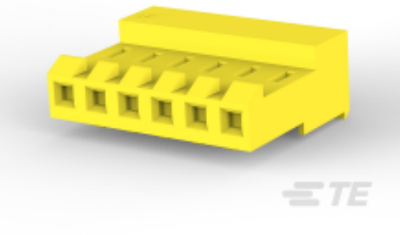
TE Part # 3-643817-6
06P MTA156 CONN ASSY 18AWG ORA



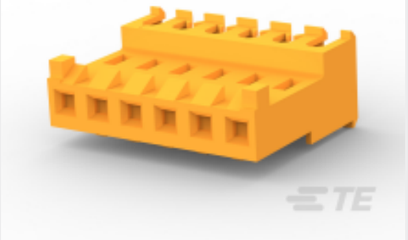
TE Part # 3-643819-6
06P MTA156 CONN ASSY 22AWG RED



TE Part # 3-640599-6
06P MTA156 CONN ASSY 18AWG ORA



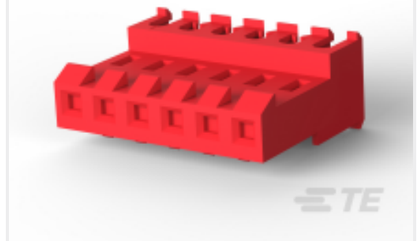
TE Part # 3-640427-6
06P MTA156 CONN ASSY 20AWG YEL



TE Part # 3-644465-6
06P MTA156 CONN ASSY 18AWG ORA



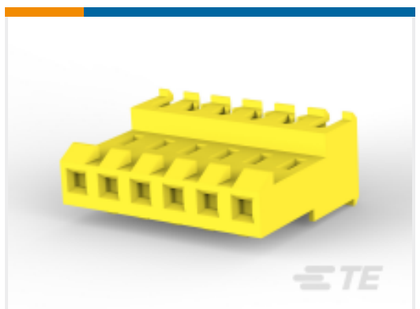
TE Part # 640643-6
06P MTA156 COVER F/T



TE Part # 3-640601-6
06P MTA156 CONN ASSY 22AWG LF



TE Part # 3-644878-6
06P MTA156 ASSY ON TAPE LF



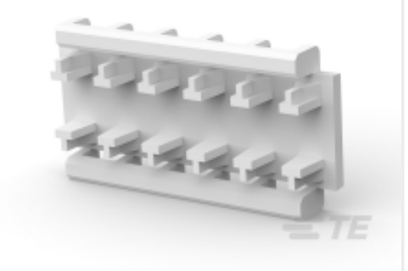
TE Part # 3-640600-6
06P MTA156 CONN ASSY 20AWG LF



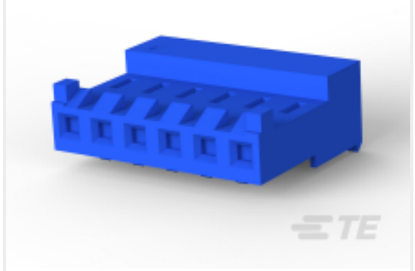
TE Part # 3-640433-6
06P MTA156 CONN ASSY 22AWG RED



TE Part # 3-644463-6
06P MTA156 CONN ASSY 22AWG RED



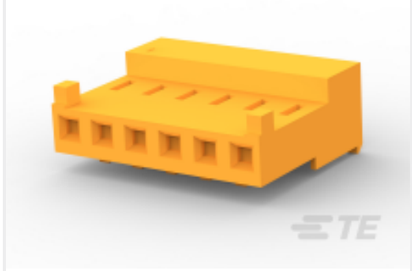
TE Part # 643071-6
06P MTA156 FD-THRU COVER



TE Part # 3-643821-6
06P MTA156 CONN ASSY 26AWG LF



TE Part # 3-644860-6
06P MTA156 CONN ASSY 18AWG LF



TE Part # 3-644461-6
06P MTA156 CONN ASSY 18AWG LF

Also in the Series | MTA 156



Connector Caps & Covers(89)



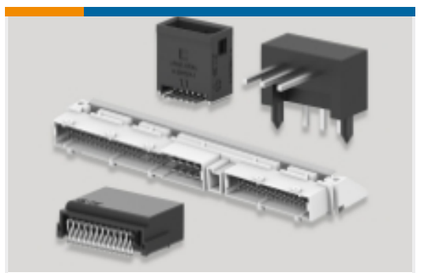
Connector Contacts(4)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(317)



Rectangular Power Connectors(691)



Standard Rectangular Connectors(336)

Customers Also Bought



TE Part #2-5747706-0
09 RCPT SP/FMS BRDLK



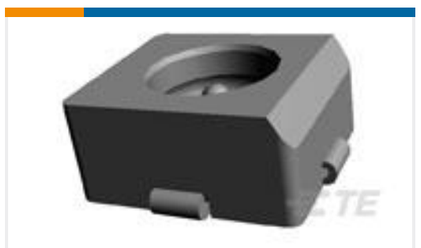
TE Part #1-1469492-7
MULTIGIG RT 9MM GUIDE/ESD 270 DEG



TE Part #3-6318491-6
.5FHP08H,220,S,GIG,08/Sn,HT,NSYes



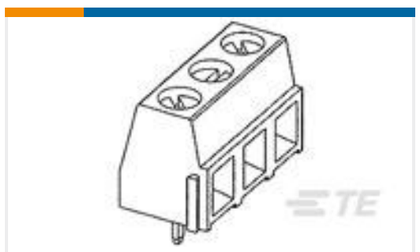
TE Part #530153-2
TDM SPRING SHUNT ASSY 2 POS



TE Part #1055688-1
2367 5001 54, VERT PLUG



TE Part #2-647127-2
02P MTA156 SHRD HDR ASSY LF



TE Part #282837-4
TERMI-BLOK PCB MOUNT 4P



TE Part #NB17932001
RNF-100-1-1/2-BK-STK



TE Part #2354935-1
CAGE ASSEMBLY, 1X4, QSFP28, TB

Documents

Product Drawings

06P MTA156 SHRD HDR ASSY SQ SN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-647123-6_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-647123-6_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-647123-6_D.3d_stp.zip

English

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Product Specifications

Application Specification

English

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TE Connectivity:

RH73H2A40MKTN 175977-2 2005330-1 936348-1 TE50BR39J 1969656-1 MPT100C18RF U5254-000005-030PA 1-794222-0 1393431-1 3430B2F51RTDF 1903112-2 3631B101LL ROX05SJ18R SBCHE64R7K CPF0402B37K4E1 2377783-2 141991-2 2-292161-3 2310537-1 650075-000 1-962915-1 2834055-1 CRGCQ2010J3K3 SMW73R0JT 2380312-2 1743455-2 917696-1 3-1393225-0 SBCHE154R7K