3-640599-9 ✔ ACTIVE

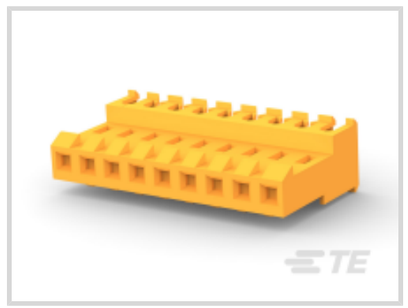
MTA | MTA 156

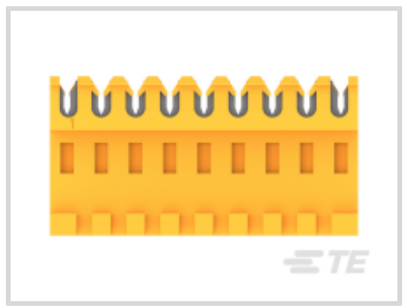
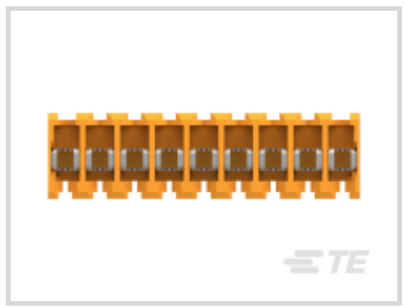
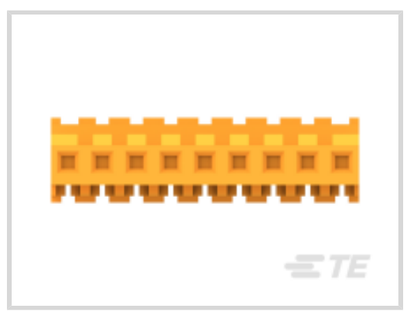
TE Internal #: 3-640599-9

MTA 156, Rectangular Power Connectors, Connector Assembly, Receptacle, Wire-to-Board, 9 Position, 3.96mm [.156in] Centerline

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **9**

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

Features

Product Type Features

Rectangular Power Connector Type	Connector Assembly
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board, Wire & Cable

Configuration Features

Number of Positions	9
Number of Power Positions	9
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC

Body Features

Connector Profile	Standard

Contact Features

Contact Layout	Inline
Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	7 A
Contact Retention Within Housing	With
Contact Type	Socket
Wire Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	2.03 – 5.08 µm[80 – 200 µin]
Underplate Material Thickness	30 µm[.762 µin]
Contact Mating Area Plating Material Finish	Matte
Contact Termination Area Plating Thickness	2.03 – 5.08 µm[80 – 200 µin]

Termination Features

Termination Method to Wire & Cable	Insulation Displacement Crimp (IDC)
Wire/Cable Type	Discrete Wire
Wire Type	Stranded

Mechanical Attachment

Strain Relief	With
Mating Alignment	Without
Contact Retention Type Within Housing	Locking Lance
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Retention	With
Mating Retention Type	Locking Ramp

Housing Features

Wire & Cable IDC Installation Type	Feed Through
Centerline (Pitch)	3.96 mm[.156 in]
Housing Color	Orange
Housing Material	Nylon
Cable Exit Angle	90°

Dimensions

Wire Size	.823 mm²
Accepts Wire Insulation Diameter Range	2.41 mm[.095 in]
Height	9.78 mm[.385 in]
Length	35.66 mm[1.404 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-2
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	E28476
Agency/Standard	CSA, UL
UL Rating	Recognized
CSA File Number	LR7189

Packaging Features

Packaging Method	Box & Carton
Packaging Quantity	250

Other

For Use With	MTA .156 Header

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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC

	Free
Solder Process Capability	Not applicable for solder process capability

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

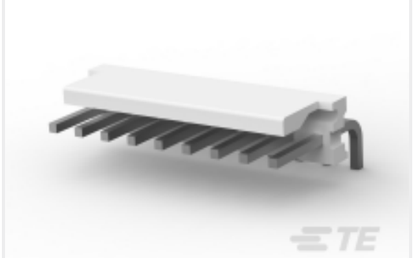
Compatible Parts



TE Part # 58074-1
MTA 50/100/156 MANUAL TOOL FRAME



TE Part # 59804-1
MAINTENANCE TOOL



TE Part # 640389-9
09P MTA156 HDR ASSY SQ R/A F/L



TE Part # 640388-9
09P MTA156 HDR ASSY RN STR F/L



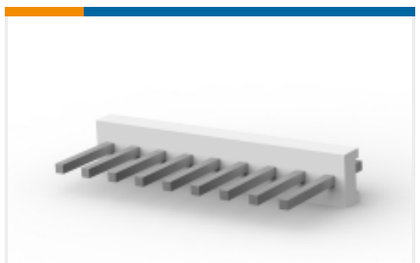
TE Part # 640643-9
09P MTA156 COVER F/T



TE Part # 640445-9
09P MTA156 HDR ASSY FL/STR SN



TE Part # 3-644615-9
09P MTA156 POL HDR ASSY LF



TE Part # 640383-9
09P MTA156 HDR ASSY STR SQ SN



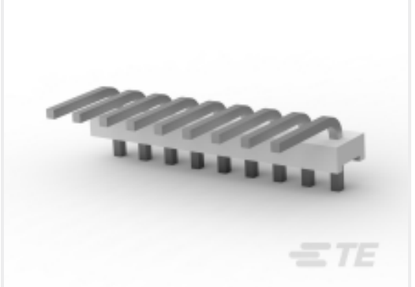
TE Part # 643067-9
09P MTA156 MOLDED COVER



TE Part # 643071-9
09P MTA156 FD-THRU COVER



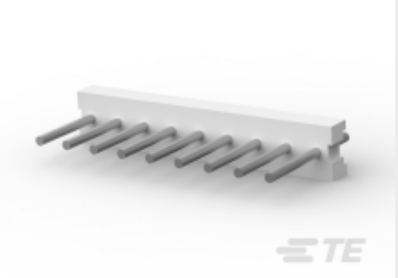
TE Part # 3-641438-9
09P MTA156 PSTD CONN ASSY WHT



TE Part # 640385-9
09P MTA156 HDR ASSY SQ R/A



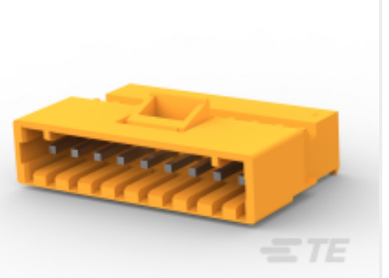
TE Part # 58443-1
MTA 156 CRIMP HEAD PRODUCTION FEED THRU



TE Part # 640384-9
09P MTA156 HDR ASSY STR RND SN



TE Part # 644752-9
09P MTA156 HDR ASSY SQ STR F/L



TE Part # 3-641435-9
09P MTA156 CONN ASSY ORNG



TE Part # 640551-9
09P MTA156 COVER



TE Part # 2-647123-9
09P MTA156 SHRD HDR ASSY SQ SN



TE Part # 641936-6
09P MTA156 HDR ASSY F/L W/O#8

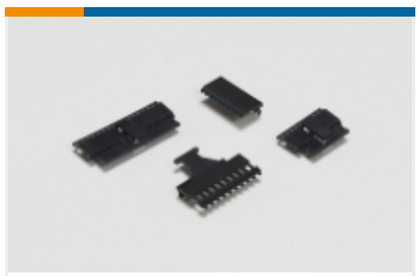


TE Part # 2-647125-9
09P MTA156 SHRD HDR ASSY LF

Also in the Series | MTA 156



Insertion & Extraction Tools(1)



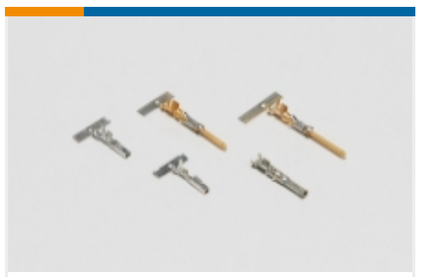
PCB Connector Covers(92)



PCB Connector Keying(2)



PCB Connector Mounting(1)



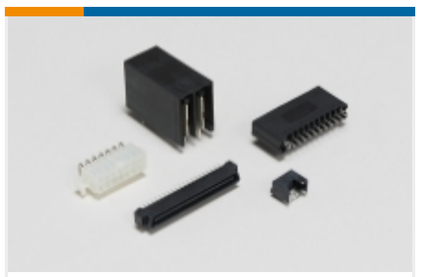
Power Contacts(3)



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



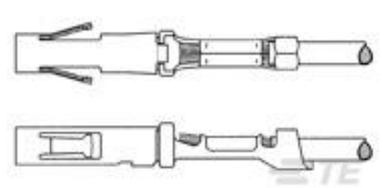
TE Part #1-320627-0
PIDG RING TONGUE TERMINALS



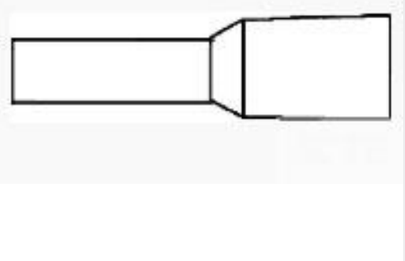
TE Part #1-6609032-1
CORCOM R SERIES SINGLE PHASE FILTERS



TE Part #206966-7
CPC CABLE CLAMPS



TE Part #164153-6
CONTACT, SOCKET, CRIMP, TYPE XI



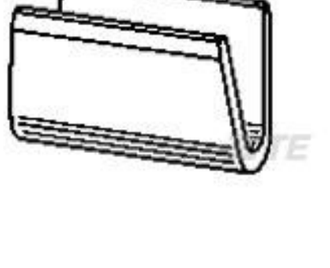
TE Part #966067-8
ADERENDHUELSE K RT



TE Part #1-640642-0
Polyester PCB Connector Covers: 2.54 mm, MTA 100



TE Part #1379100-1
COV+LEV MQS 18W 0DEG BLK



TE Part #160725-1
SPLICE 26-22 AWG .008 PTPB



TE Part #1-172520-1
LOW PRO AMPIN 11P



TE Part #2836796-1
OC-AT-S-FM-075F091F-070-1218

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-640599-9_M.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-640599-9_M.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-640599-9_M.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 Specifications

Application Specification

English

MTA 156 Ribbon Cable Connector Assemblies (English And Spanish)

English

Application Specification

Japanese

MTA 156 Ribbon Cable Connector Assemblies (English And Spanish)

Japanese

Agency Approvals

CSA Certificate

English