3-640429-8 ✔ ACTIVE

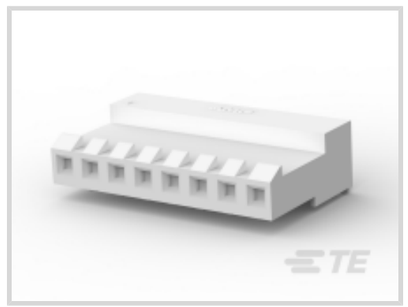
MTA 156

TE Internal #: 3-640429-8

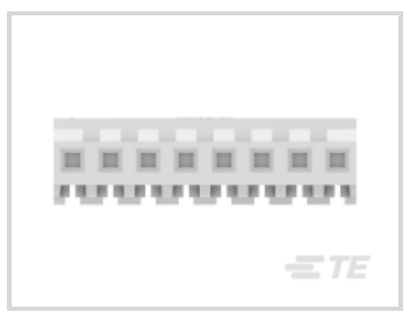
Rectangular Power Connectors, Connector Assembly, Receptacle, Wire-to-Board, 8 Position, 3.96 mm [.156 in] Centerline, Wire & Cable, UL 94V-2, MTA 156

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: **8**

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

Features

Product Type Features

Compatible With Discrete Wire Type	Stranded
Rectangular Power Connector Type	Connector Assembly
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	8
Number of Power Positions	8
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC

Body Features

Cable Exit Angle	90°

Connector Profile	Standard

Contact Features

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

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)

Mechanical Attachment

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

Housing Features

Wire & Cable IDC Installation Type	Closed End
Centerline (Pitch)	3.96 mm[.156 in]
Housing Color	White
Housing Material	Nylon

Dimensions

Connector Height	9.02 mm[.355 in]

Product Length	31.7 mm[1.248 in]
Compatible Insulation Diameter Range	2.41 mm[.095 in]
Wire Size	.2 mm²

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Industry Standards

CSA Rating	Certified, LR 7189
UL Rating	Recognized
Agency/Standard	CSA, UL
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-2
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	250
Packaging Method	Bag & Box

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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



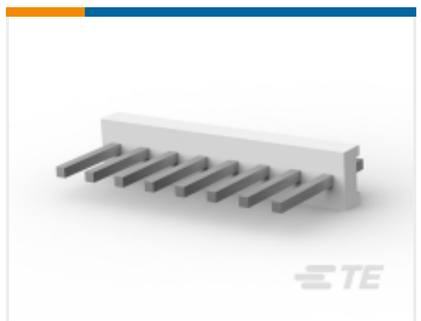
TE Part # 643067-8
08P MTA156 MOLDED COVER



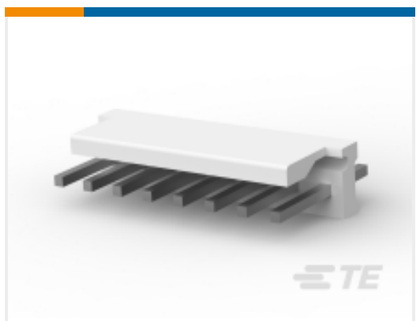
TE Part # 2-647123-8
08P MTA156 SHRD HDR ASSY SQ SN



TE Part # 640389-8
08P MTA156 HDR ASSY SQ R/A F/L



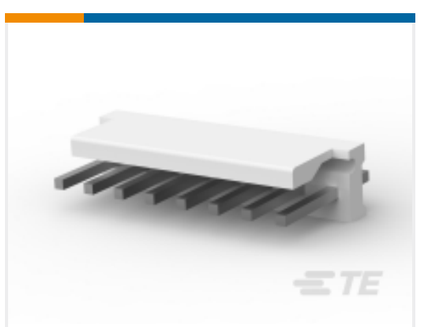
TE Part # 640383-8
08P MTA156 HDR ASSY STR SQ SN



TE Part # 644752-8
08P MTA156 HDR ASSY SQ STR F/L



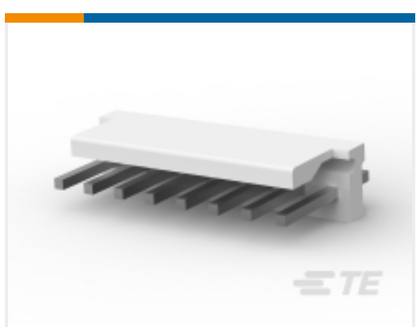
TE Part # 640388-8
08P MTA156 HDR ASSY RN STR F/L



TE Part # 3-640445-8
08P MTA156 HDR ASSY FL/STR SN



TE Part # 641922-3
08P MTA156 HDR ASSY STR W/O#2



TE Part # 640445-8
08P MTA156 HDR ASSY FL/STR SN



TE Part # 3-644615-8
08P MTA156 POL HDR ASSY LF



TE Part # 640551-8
08P MTA156 COVER



TE Part # 640385-8
08P MTA156 HDR ASSY SQ R/A



TE Part # 643071-8
08P MTA156 FD-THRU COVER



TE Part # 644753-8
08P MTA156 HDR ASSY RN STR F/L



TE Part # 58247-1
MTA 156 CRIMP HEAD REPAIR DISCRETE



TE Part # 640643-8
08P MTA156 COVER F/T



TE Part # 3-644617-8
08P MTA156 HDR ASY PO RA FB LF

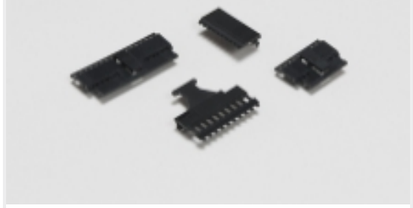


TE Part # 58247-3
MTA 156 CRIMP HEAD PRODUCTION RBBN CABLE

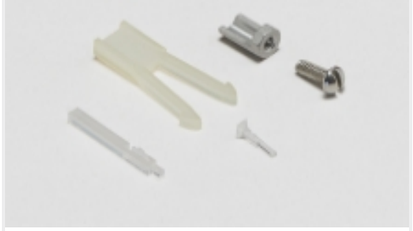
Also in the Series | MTA 156



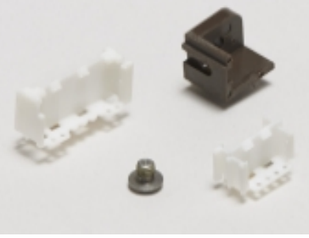
Insertion & Extraction Tools(1)



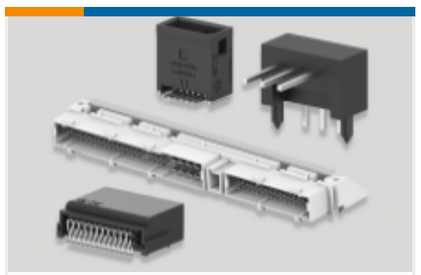
PCB Connector Covers(88)



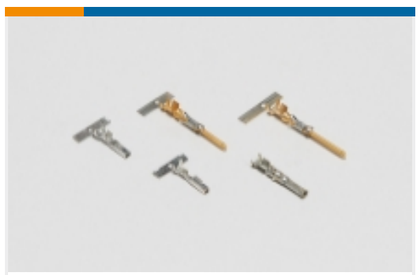
PCB Connector Keying(2)



PCB Connector Mounting(1)



PCB Headers & Receptacles(314)



Power Contacts(2)



Rectangular Power Connectors(698)



Standard Rectangular Connectors(337)

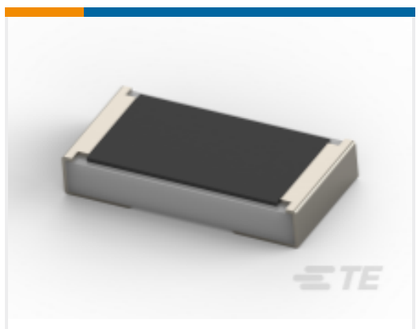


Wire-to-Board Connector Contacts(2)

Customers Also Bought



TE Part #2-2176230-6
3522 100R 5% 3W



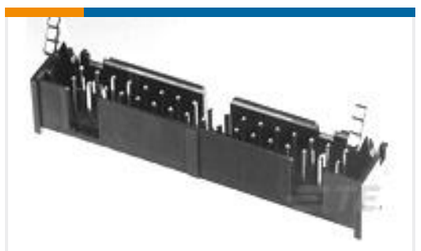
TE Part #2-2176231-1
SMD Power Resistor: 3 Watt, 1% Tol



TE Part #3-640429-2
02P MTA156 CONN ASSY 24AWG WHT



TE Part #1393766-9
R10-E1X2-V700=R10



TE Part #104128-9
050 LOPRO HDR SP 30DP LATCH



TE Part #8-327043-1
PG SPD 22-16 COMM 22-18 MIL 6



TE Part #D57591-000
VERSAFIT-MINI-SPL-3/8-BK



TE Part #4-643817-2
12P MTA156 CONN ASSY 18AWG LF

Documents

Product Drawings

08P MTA156 CONN ASSY 24AWG WHT

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_3-640429-8_S.2d_dxf.zip

English

Customer View Model

ENG_CVM_3-640429-8_S.3d_igs.zip

English

Customer View Model

ENG_CVM_3-640429-8_S.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-640429-8_N.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-640429-8_N.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-640429-8_N.3d_stp.zip

English

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Product Specifications

Product Specification

English

Product Environmental Compliance

Product Compliance Document

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Product Compliance Document

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Agency Approvals

Agency Approval Document

English