



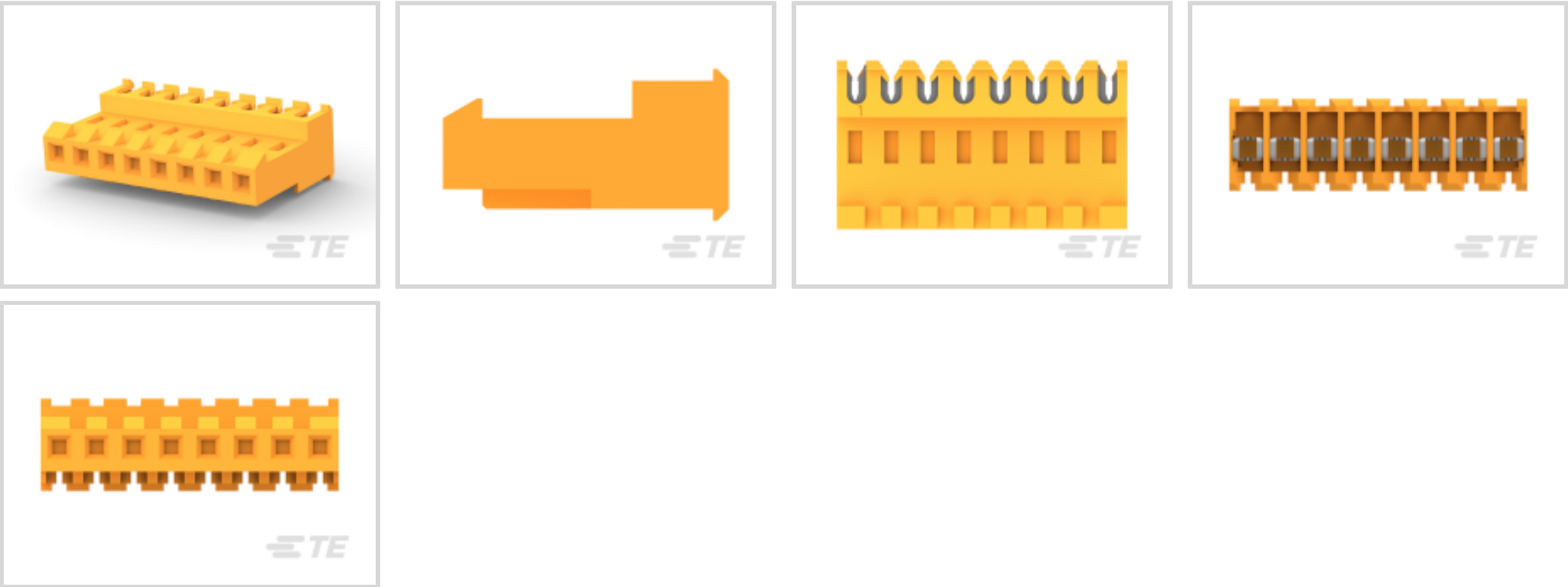
MTA 156

TE Internal #: 3-640599-8

Connector Assembly, Receptacle, Insulation Displacement (IDC),
Wire-to-Board, Tin (Sn), MTA 156, Rectangular Wire & Cable
Connectors & Housings

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Connector Assembly**
Connector & Housing Type: **Receptacle**
Mating Alignment: **Without**
Mating Retention: **With**
Mating Retention Type: **Locking Ramp**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Cable Exit Angle	90°
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Primary Product Color	Orange
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Contact Features

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

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Mechanical Attachment

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

Housing Features

Housing Material	Nylon
Wire & Cable IDC Installation Type	Feed Through
Centerline (Pitch)	3.96 mm[.156 in]

Dimensions

Compatible Insulation Diameter Range	2.41 mm[.095 in]
Connector Height	9.78 mm[.385 in]
Wire Size	18 AWG



Connector Length	31.7 mm[1.248 in]
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Usage Conditions

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

Circuit Application	Power
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Industry Standards

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

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # 641938-6 08P MTA156 HDR W/O#3 .045 RD	 TE Part # 3-640445-8 08P MTA156 HDR ASSY FL/STR SN	 TE Part # 640385-8 08P MTA156 HDR ASSY SQ R/A	 TE Part # 59804-1 MAINTENANCE TOOL
 TE Part # 641922-3 08P MTA156 HDR ASSY STR W/O#2	 TE Part # 3-644615-8 08P MTA156 POL HDR ASSY LF	 TE Part # 2-647127-8 08P MTA156 SHRD HDR ASSY LF	 TE Part # 3-644617-8 08P MTA156 HDR ASSY PO RA FB LF
 TE Part # 2-647123-8 08P MTA156 SHRD HDR ASSY SQ SN	 TE Part # 640445-8 08P MTA156 HDR ASSY FL/STR SN	 TE Part # 640643-8 08P MTA156 COVER F/T	 TE Part # 644751-8 08P MTA156 HDR ASSY R/A
 TE Part # 644753-8 08P MTA156 HDR ASSY RN STR F/L	 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 # 641922-2 08P MTA156 HDR ASSY STR W/O#3



TE Part # 2-647125-8
08P MTA156 SHRD HDR ASSY LF



TE Part # 644749-8
08P MTA156 HDR ASSY STR SQ SN



TE Part # 640384-8
08P MTA156 HDR ASSY STR RND SN

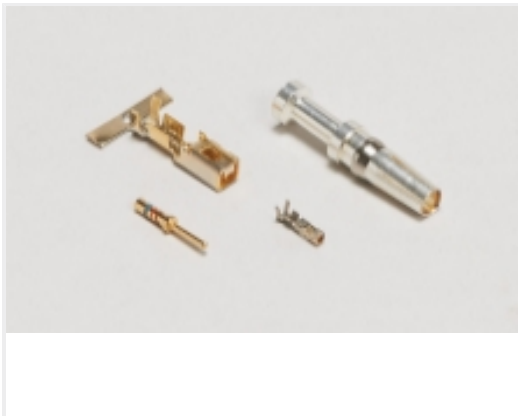


TE Part # 58074-1
MTA 50/100/156 MANUAL TOOL FRAME

Also in the Series | MTA 156



Connector Caps & Covers(89)



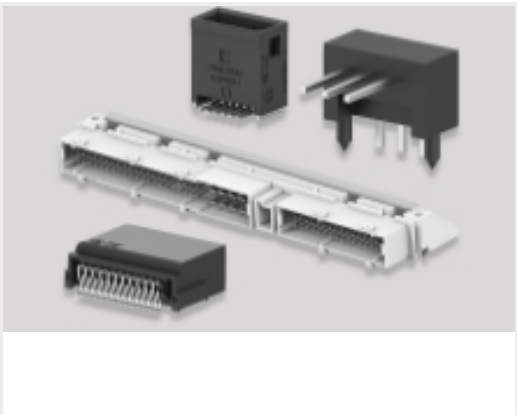
Connector Contacts(4)



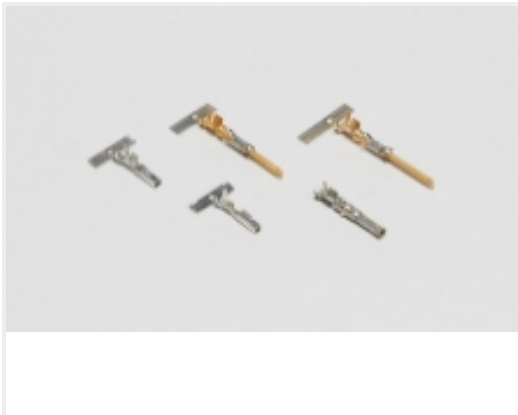
Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(677)



Power Contacts(3)



Rectangular Power Connectors(1178)



Wire-to-Board Headers & Receptacles (677)

Customers Also Bought



TE Part #1-456401-6
CRIMPER, WIRE .042 "F"



TE Part #2-683454-5
CRIMPER, INSULATION "O"(.048")

TE Part #329254
TERMINAL,TERMI-FOIL 12-10

TE Part #3-644083-8
08P MTA100 CONN ASSY POL TAB



TE Part #5-683454-9
CRIMPER, INSUL "O" (.055)

TE Part #1-690512-4
COMB ANVIL

TE Part #3-683453-8
CRIMP,INS (110F X 060THK)

TE Part #1-1633665-9
ANVIL



Documents

Product Drawings

08P MTA156 CONN ASSY 18AWG ORA

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-640599-8_N.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-640599-8_N.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-640599-8_N.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Application Specification

Japanese

Application Specification

English

MTA 156 Ribbon Cable Connector Assemblies (English And Spanish)

English

MTA 156 Ribbon Cable Connector Assemblies (English And Spanish)

Japanese

Application Specification

English

Agency Approvals

Agency Approval Document

English