



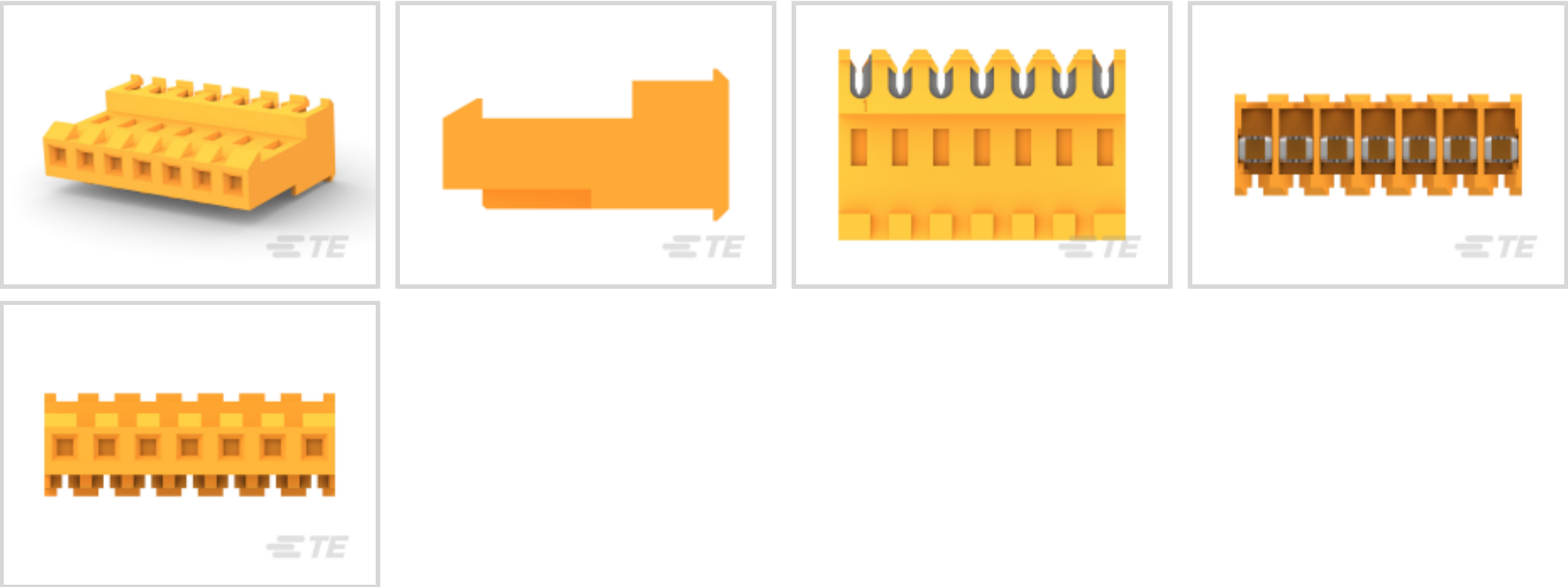
MTA 156

TE Internal #: 3-640599-7

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	7
Number of Positions	7
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	27.74 mm[1.092 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

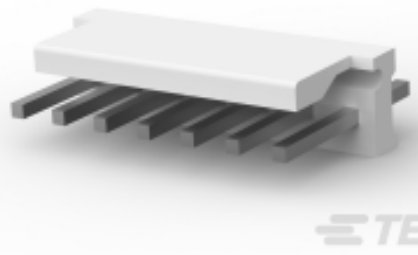
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



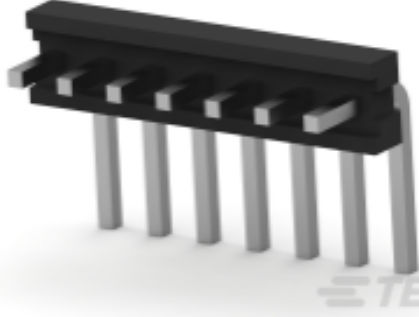
numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the 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

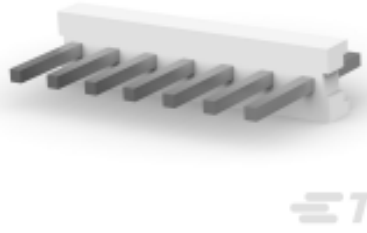
 TE Part # 643464-1 07C MTA156 HDR F/L STR SQ SPL	 TE Part # 2-647123-7 07P MTA156 SHRD HDR ASSY SQ SN	 TE Part # 3-644615-7 07P MTA156 POL LOCK HDR TIN	 TE Part # 644753-7 07P MTA156 HDR ASSY RN STR F/L
 TE Part # 59804-1 MAINTENANCE TOOL	 TE Part # 641991-5 07P MTA156 HDT SQ W/O#1,4,6	 TE Part # 643464-3 07P MTA156 HDR ASSY STR W/O#5	 TE Part # 640388-7 07P MTA156 HDR ASSY RN STR F/L
 TE Part # 2-647125-7 07P MTA156 SHRD HDR ASSY LF	 TE Part # 640383-7 07P MTA156 HDR ASSY STR SQ SN	 TE Part # 640551-7 07P MTA156 COVER	 TE Part # 643464-5 07P MTA156 HDR ASSY STR W/O#6
 TE Part # 643464-6 07P MTA156 HDR ASSY W/O#2,4,&6	 TE Part # 643464-2 07P MTA156 HDR ASSY STR W/O#2	 TE Part # 643067-7 07P MTA156 MOLDED COVER	 TE Part # 643071-7 07P MTA156 FD-THRU COVER



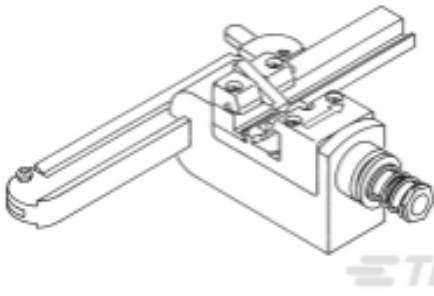
TE Part # 644752-7
07P MTA156 HDR ASSY SQ STR F/L



TE Part # 644751-7
07P MTA156 HDR ASSY R/A



TE Part # 644749-7
07P MTA156 HDR ASSY STR SQ SN



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

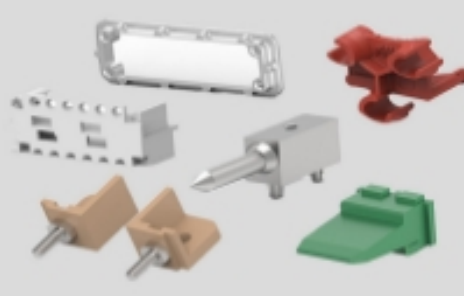
Also in the Series | **MTA 156**



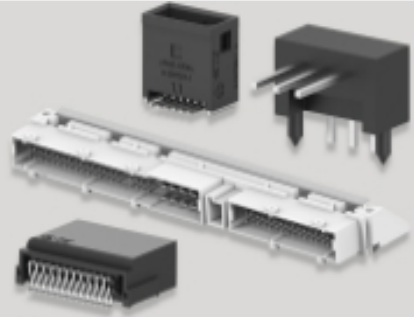
Connector Caps & Covers(89)



Connector Contacts(4)



Connector Hardware(2)



PCB Headers & Receptacles(677)



Power Contacts(3)



Rectangular Power Connectors(1178)



Standard Rectangular Connectors(667)

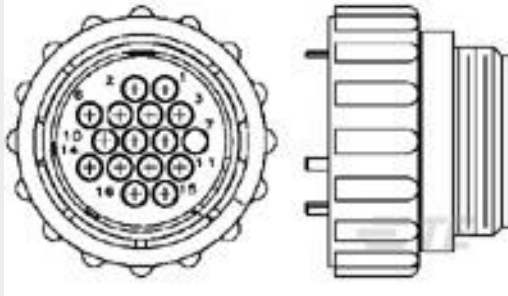
Customers Also Bought



TE Part #CONMMCX007
MMCX Plug 50 Ohm Cable Crimp



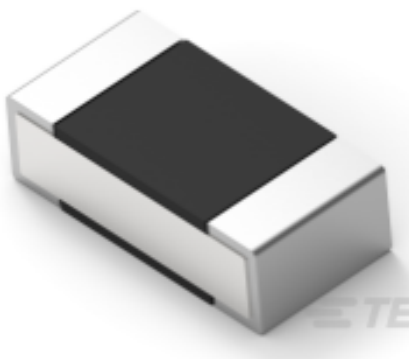
TE Part #1625854-3
0603 PROBE PAD



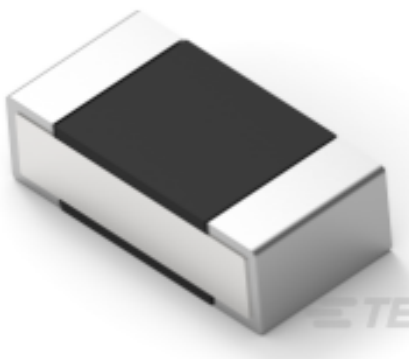
TE Part #206037-4
CPC PLUG ASSEMBLY SZ 17-16



TE Part #4-640599-3
13P MTA156 CONN ASSY 18AWG ORA



TE Part #10212283-00
PT8420-0060-711-1120



TE Part #1-2176308-3
RP 1E 0.1W 178K 0.1% 25PPM 5K RL



TE Part #3-644460-7
07P MTA156 CONN ASSY 18AWG ORA



TE Part #3-1393779-3
V23101D 106B201



Documents

Product Drawings

07P MTA156 CONN ASSY 18AWG ORA

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-640599-7_N.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-640599-7_N.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-640599-7_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