



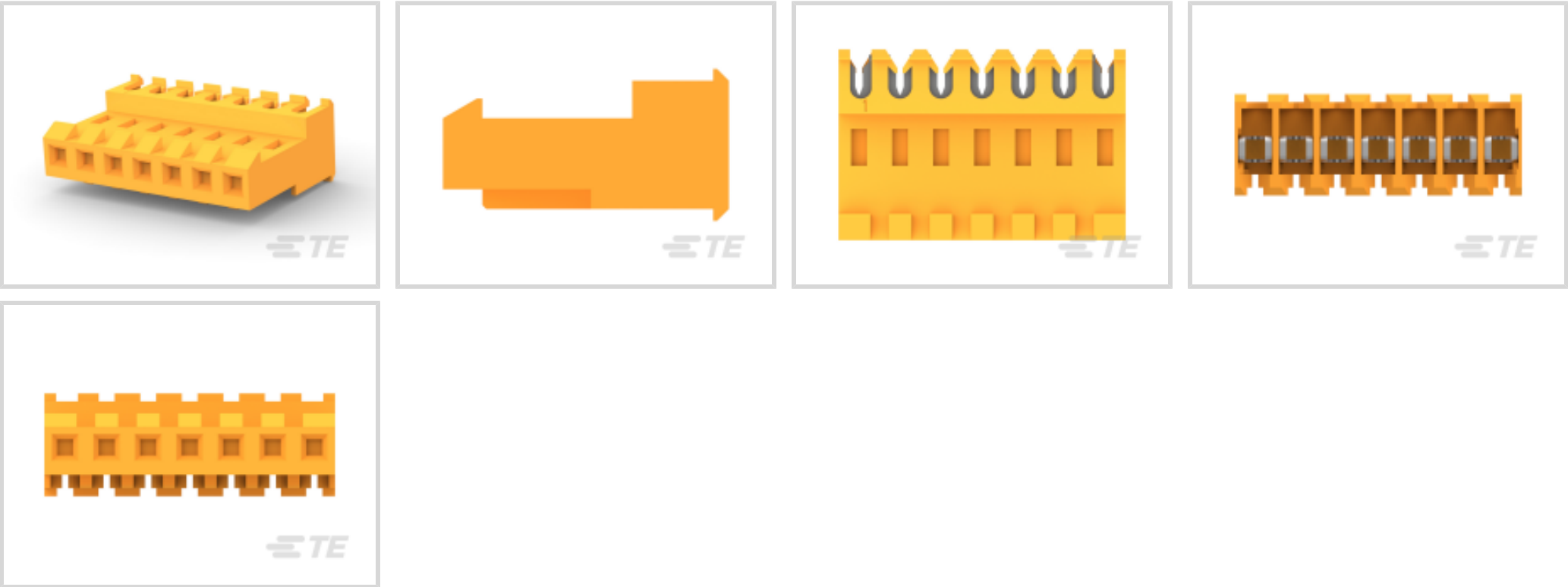
MTA 156

TE Internal #: 3-640599-7

Rectangular Power Connectors, Connector Assembly, Receptacle, Wire-to-Board, 7 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: **7**

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	7
Number of Power 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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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 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	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	Feed Through
Centerline (Pitch)	3.96 mm[.156 in]
Housing Color	Orange
Housing Material	Nylon
Dimensions	



Connector Height	9.78 mm[.385 in]
Product Length	27.74 mm[1.092 in]
Compatible Insulation Diameter Range	2.41 mm[.095 in]
Wire Size	.823 mm ²

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

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>](#)

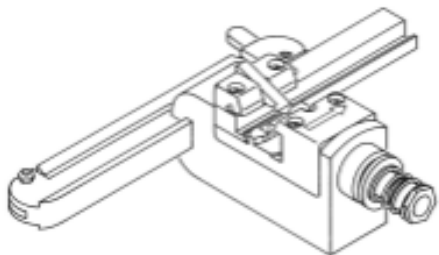
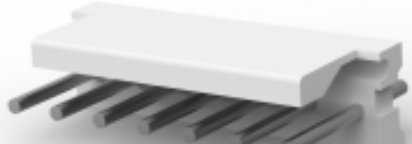
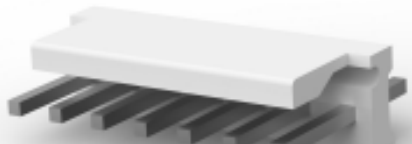
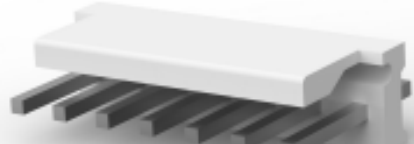
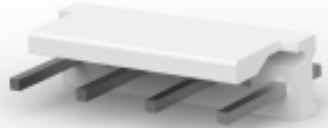
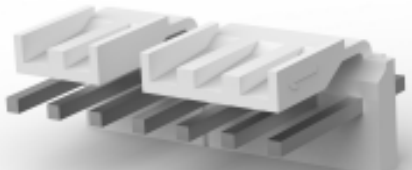
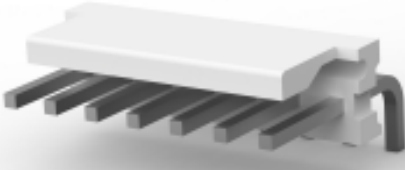
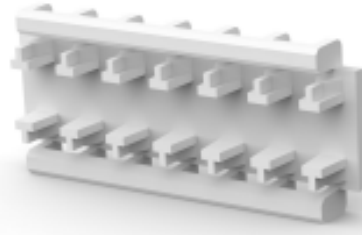
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) Does not 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 # 58443-1 MTA 156 CRIMP HEAD PRODUCTION FEED THRU	 TE Part # 640383-7 07P MTA156 HDR ASSY STR SQ SN
 TE Part # 640388-7 07P MTA156 HDR ASSY RN STR F/L	 TE Part # 643464-5 07P MTA156 HDR ASSY STR W/O#6	 TE Part # 644752-7 07P MTA156 HDR ASSY SQ STR F/L	 TE Part # 640445-7 07P MTA156 HDR ASSY FL/STR SN
 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 # 3-644615-7 07P MTA156 POL LOCK HDR TIN	 TE Part # 640551-7 07P MTA156 COVER
 TE Part # 641991-5 07P MTA156 HDT SQ W/O#1,4,6	 TE Part # 640389-7 07P MTA156 HDR ASSY SQ R/A F/L	 TE Part # 643067-7 07P MTA156 MOLDED COVER	 TE Part # 643071-7 07P MTA156 FD-THRU COVER





TE Part # 643464-4
07P MTA156 HDR ASSY STR W/O#3



TE Part # 3-644617-7
07P MTA156 HDR ASY PO RA FB LF



TE Part # 2-647123-7
07P MTA156 SHRD HDR ASSY SQ SN

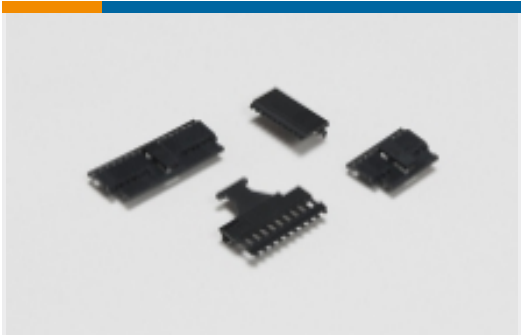


TE Part # 2-647127-7
07P MTA156 SHRD HDR ASSY LF

Also in the Series | MTA 156



Insertion & Extraction Tools(1)



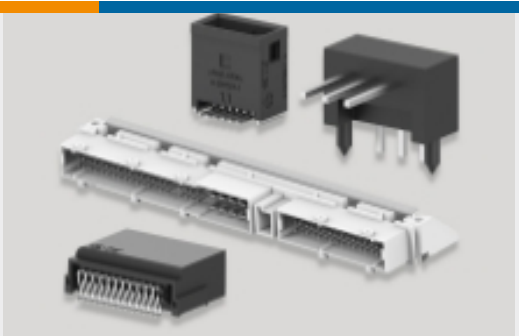
PCB Connector Covers(88)



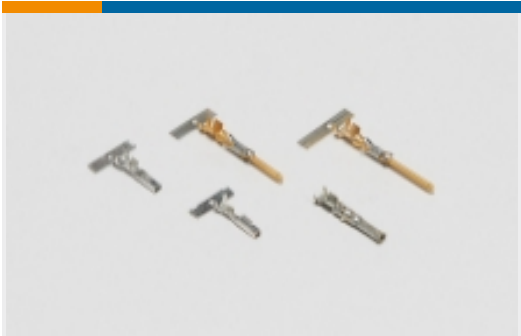
PCB Connector Keying(2)



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 #1625999-1
HSC100 100R 5%



TE Part #59804-1
MAINTENANCE TOOL



TE Part #1-770968-1
04P MINI UMNL R/A HDR ASSY LF



TE Part #794186-1
03P MINI UMNL2 PLUG HSG UL94V0



TE Part #794188-1
04P MINI UMN2 PLUG HSG UL94V0

TE Part #1-1393249-4
W58-XB1A4A-3=W58

TE Part #1229590001
RPS-16-10/2.0-9

TE Part #3-640601-9
09P MTA156 CONN ASSY 22AWG LF

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

TE Part #NB14134001
VERSAFIT-1/2-0-SP

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



Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Agency Approvals

Agency Approval Document

English