



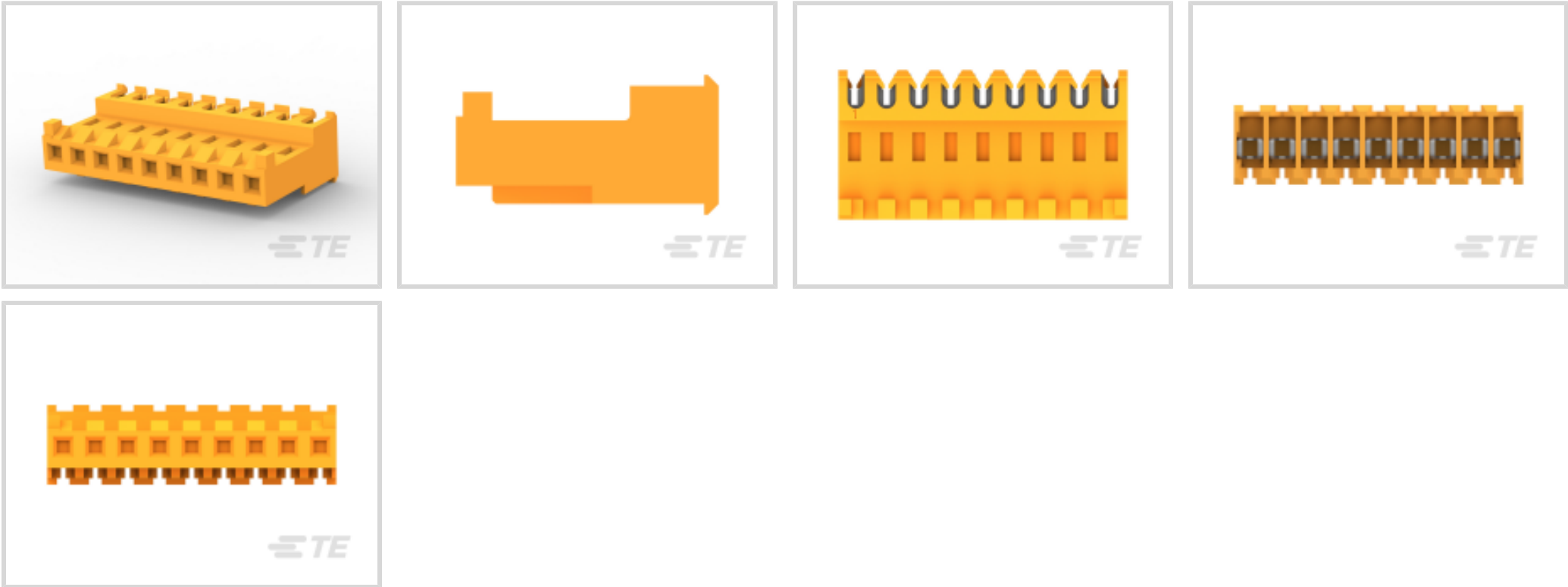
MTA 156

TE Internal #: 3-644465-9

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: **With**
Mating Alignment Type: **Polarizing Tab**
Mating Retention: **With**

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	9
Number of Positions	9
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC

Body Features

Cable Exit Angle	90°



Primary Product Color	Orange
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 µm[80 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)
Mechanical Attachment	
Strain Relief	With
Panel Mount Feature	Without
Contact Retention Type Within Housing	Locking Lance
Mating Alignment	With
Mating Alignment Type	Polarizing Tab
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	35.66 mm[1.404 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

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: JUNE 2024 (241) 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

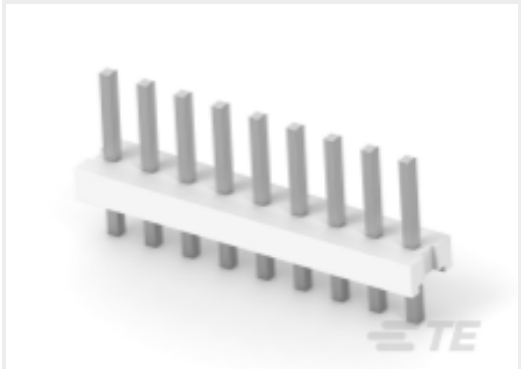
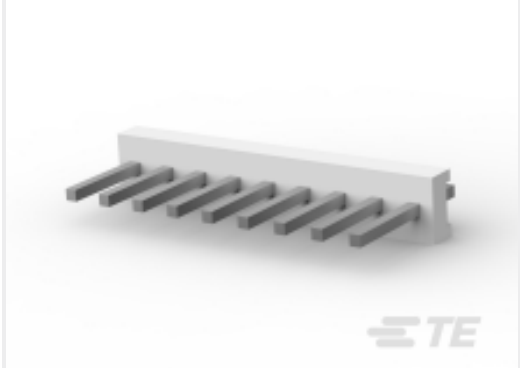
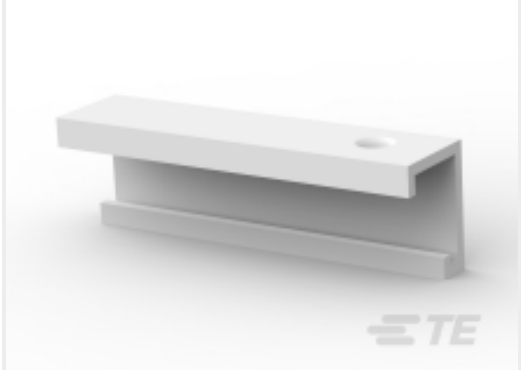
Product Compliance Disclaimer

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

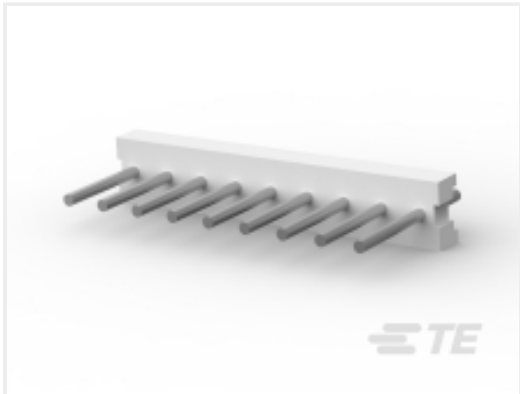
 TE Part # 2-647125-9 09P MTA156 SHRD HDR ASSY LF	 TE Part # 644752-9 09P MTA156 HDR ASSY SQ STR F/L	 TE Part # 2-647123-9 09P MTA156 SHRD HDR ASSY SQ SN	 TE Part # 643071-9 09P MTA156 FD-THRU COVER
 TE Part # 640388-9 09P MTA156 HDR ASSY RN STR F/L	 TE Part # 644749-9 09P MTA156 HDR ASSY STR SQ SN	 TE Part # 644751-9 09P MTA156 HDR ASSY R/A	 TE Part # 3-644617-9 09P MTA156 HDR ASSY PO RA FB LF
 TE Part # 640383-9 09P MTA156 HDR ASSY STR SQ SN	 TE Part # 640643-9 09P MTA156 COVER F/T	 TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME	 TE Part # 644753-9 09P MTA156 HDR ASSY RN STR F/L
 TE Part # 59804-1 MAINTENANCE TOOL	 TE Part # 640551-9 09P MTA156 COVER	 TE Part # 3-644615-9 09P MTA156 POL HDR ASSY LF	 TE Part # 641936-3 09P MTA156 HDR ASSY W/O 4 PINS



TE Part # 641936-8
09P MTA156 HDR ASSY OMIT #4,8



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



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

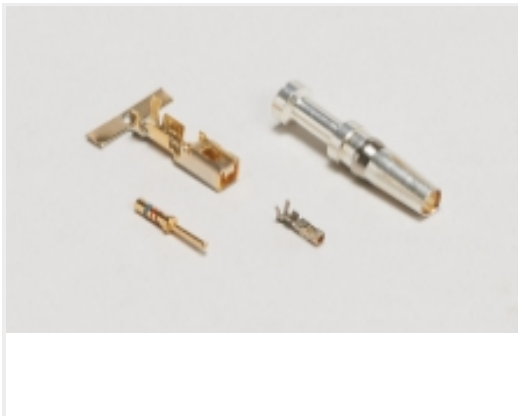


TE Part # 640385-9
09P MTA156 HDR ASSY SQ R/A

Also in the Series | MTA 156



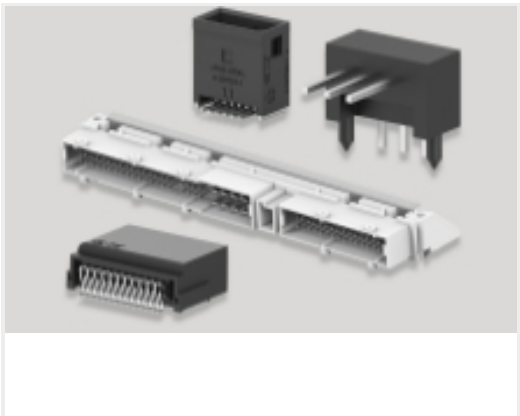
Connector Caps & Covers(89)



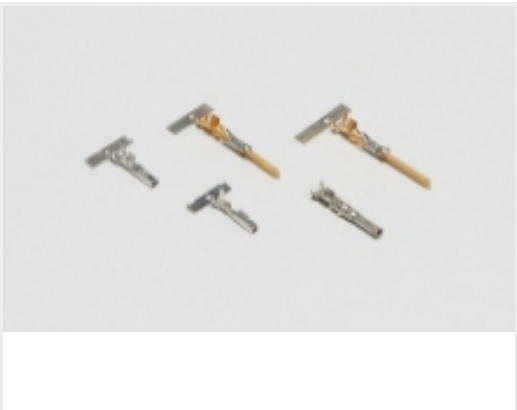
Connector Contacts(4)



Connector Hardware(2)



PCB Headers & Receptacles(677)



Power Contacts(3)



Rectangular Power Connectors(1178)



Standard Rectangular Connectors(667)

Customers Also Bought



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #DT04-2P
REC, 2P, GRY, N



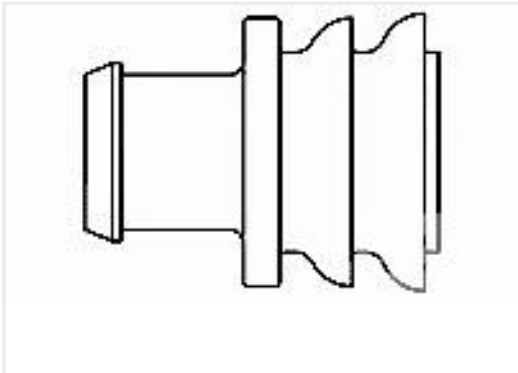
TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



Documents

Product Drawings

09P MTA156 CONN ASSY 18AWG ORA

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-644465-9_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-644465-9_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-644465-9_E.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