



MTA 156

TE Internal #: 3-641220-8
8 Position, Receptacle, Connector Assembly, Insulation
Displacement (IDC), Wire-to-Board, Gold (Au) / Gold Flash over
Palladium Nickel, MTA 156

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Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Connector Assembly**
Mating Alignment: **Without**
Connector & Housing Type: **Receptacle**
Mating Retention Type: **Locking Ramp**
Connector System: **Wire-to-Board**

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 Positions	8
Number of Rows	1
Number of Power Positions	8

Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Primary Product Color	White
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Cable Exit Angle	90°
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Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 – 1.77 µm[1.27 – 1.77 µin]
Contact Layout	Inline
Contact Base Material	Copper Alloy
Wire Contact Termination Area Plating Thickness	2.03 – 5.08 µm[80 – 200 µin]
Contact Mating Area Plating Material	Gold (Au), Gold Flash over Palladium Nickel
Contact Retention Within Housing	With
Contact Current Rating (Max)	7 A
Contact Type	Receptacle
Wire Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]

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 Type	Locking Ramp
Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Compatible Insulation Diameter Range	2.41 mm[.095 in]
Connector Height	9.02 mm[.355 in]
Connector Length	31.7 mm[1.248 in]
Wire Size	.2 mm²



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
UL Flammability Rating	UL 94V-2
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	250
Packaging Method	Bag

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # 59804-1 MAINTENANCE TOOL	 TE Part # 3-641208-8 08P MTA156 HDR ASSY FL ST LF	 TE Part # 641922-3 08P MTA156 HDR ASSY STR W/O#2
 TE Part # 641922-6 08P MTA156 HDR ASSY W/O#4,6	 TE Part # 3-641210-8 08P MTA156 HDR FLRA FB 30AU LF	 TE Part # 58247-2 MTA 156 CRIMP HEAD PRODUCTION DISCRETE	 TE Part # 3-641202-8 08P MTA156 HDR ASSY PL 30AU LF
 TE Part # 3-644760-8 08P MTA156 HDR ASSY FL ST LF	 TE Part # 641922-2 08P MTA156 HDR ASSY STR W/O#3	 TE Part # 640643-8 08P MTA156 COVER F/T	 TE Part # 58247-1 MTA 156 CRIMP HEAD REPAIR DISCRETE
 TE Part # 3-644759-8 08P MTA156 HDR ASSY STR LF	 TE Part # 3-644761-8 08P MTA156 HDR ASSY R/A F/L LF	 TE Part # 58247-3 MTA 156 CRIMP HEAD PRODUCTION RBBN CABLE	 TE Part # 643071-8 08P MTA156 FD-THRU COVER



TE Part # 640551-8
08P MTA156 COVER



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



TE Part # 641922-1
08P MTA156 HDR ASSY STR W/O#4



TE Part # 643067-8
08P MTA156 MOLDED COVER

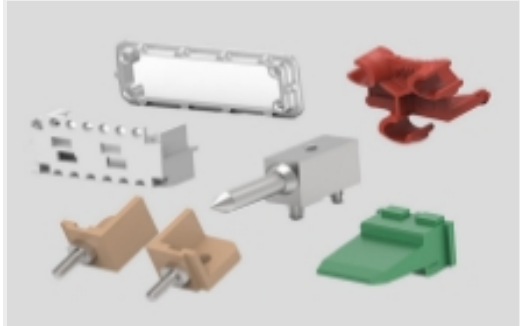
Also in the Series | MTA 156



Connector Caps & Covers(89)



Connector Contacts(4)



Connector Hardware(2)



Power Contacts(3)



Rectangular Power Connectors(1178)



Standard Rectangular Connectors(667)



Wire-to-Board Connector Assemblies & Housings(594)

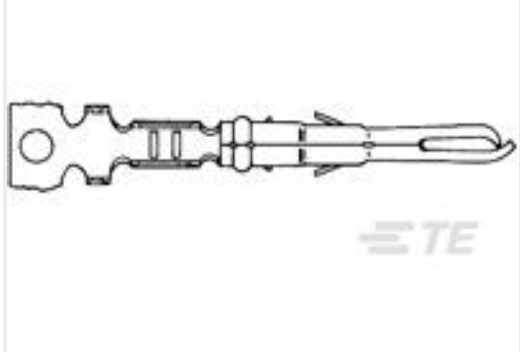
Customers Also Bought



TE Part #CONSMA011-R178
SMA Jack 50 Ohm Cable Crimp



TE Part #61070-1
110 FASTON FLAG REC 22-18 AWG TPBR



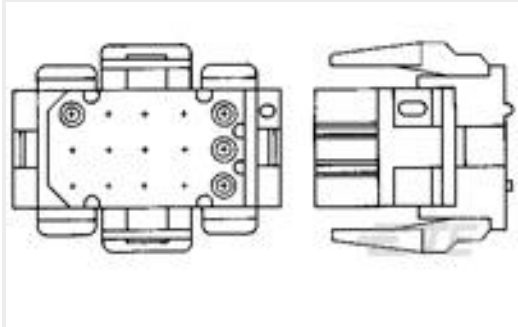
TE Part #350967-2
MR PIN AU/PHBZ



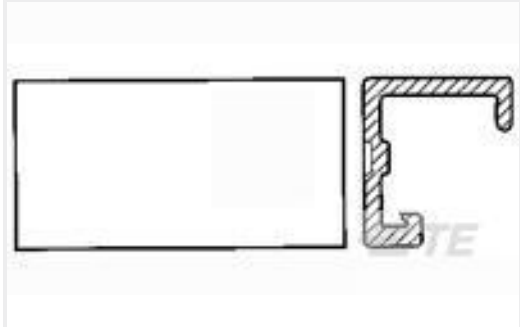
TE Part #3-640429-6
06P MTA156 CONN ASSY 24AWG WHT



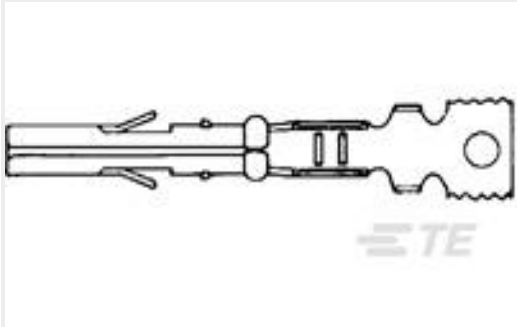
TE Part #3-640441-8
08P MTA100 CONN ASSY WHT



TE Part #1-640524-0
20P MR II PLUG HSG V0



TE Part #1-640550-0
10P MTA100 COVER



TE Part #641294-1
MR RECPT 26-18 PTPHBZ



Documents

Product Drawings

08P MTA156 CONN ASSY 24AWG LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-641220-8_N.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-641220-8_N.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-641220-8_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

English

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

Agency Approvals

Agency Approval Document

English