



MTA 156

TE Internal #: 4-643817-2
12 Position, Receptacle, Connector Assembly, Insulation
Displacement (IDC), Wire-to-Board, Tin (Sn), UL 94V-2, 3.96 mm [.156 in] Centerline, MTA 156

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Connector Assembly**
Mating Alignment: **With**
Mating Alignment Type: **Polarizing Tab**
Connector & Housing Type: **Receptacle**
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 Positions	12
Number of Rows	1
Number of Power Positions	12

Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Primary Product Color	Orange
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Cable Exit Angle	90°
Contact Features	
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	30 µm[.762 µin]
Contact Layout	Inline
Contact Base Material	Copper Alloy
Wire Contact Termination Area Plating Thickness	2.03 µm[80 µin]
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
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
Panel Mount Feature	Without
Contact Retention Type Within Housing	Locking Lance
Mating Alignment	With
Mating Alignment Type	Polarizing Tab
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



Connector Length	47.55 mm
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Wire Size	.823 mm²
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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
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UL Rating	Recognized
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Compatible With Approved Standards Products	UL E28476
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CSA Rating	Certified, LR 7189
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UL Flammability Rating	UL 94V-2
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Glow Wire Rating	Standard Part - Not Glow Wire
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Packaging Features

Packaging Quantity	250
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Packaging Method	Box & Carton
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Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not applicable for solder process capability
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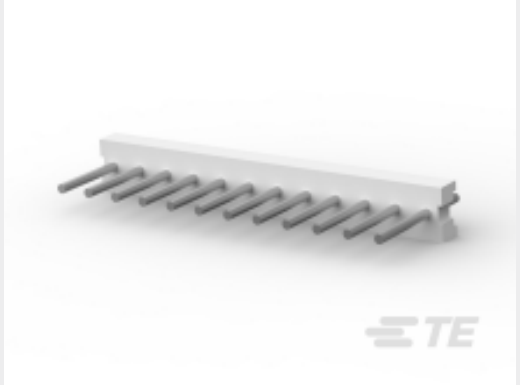
Product Compliance Disclaimer

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 # 1-643067-2 12P MTA156 MOLDED COVER	 TE Part # 1-640551-2 12P MTA156 COVER	 TE Part # 3-647123-2 12P MTA156 SHRD HDR ASSY SQ SN	 TE Part # 4-647615-2 12P MTA156 POL LOCK HDR ASSY LF
 TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME	 TE Part # 58247-3 MTA 156 CRIMP HEAD PRODUCTION RBBN CABLE	 TE Part # 1-644752-2 12P MTA156 HDR ASSY SQ STR F/L	 TE Part # 1-640388-2 12P MTA156 HDR ASSY RN STR F/L
 TE Part # 3-647125-2 12P MTA156 SHRD HDR ASSY LF	 TE Part # 4-644617-2 12P MTA156 HDR ASY PO RA FB LF	 TE Part # 1-640384-2 12P MTA156 HDR ASSY STR RND SN	 TE Part # 1-640445-2 12P MTA156 HDR ASSY FL/STR SN
 TE Part # 1-640383-2 12P MTA156 HDR ASSY STR SQ SN	 TE Part # 59804-1 MAINTENANCE TOOL	 TE Part # 1-640389-2 12P MTA156 HDR ASSY SQ R/A F/L	 TE Part # 1-640385-2 12P MTA156 HDR ASSY SQ R/A



TE Part # 1-643071-2
12P MTA156 FD-THRU COVER



TE Part # 641876-3
12P MTA156 HDR ASSY FL STR SN



TE Part # 4-644615-2
12P MTA156 POL HDR ASSY LF



TE Part # 58247-1
MTA 156 CRIMP HEAD REPAIR DISCRETE

Also in the Series | MTA 156



Connector Caps & Covers(89)



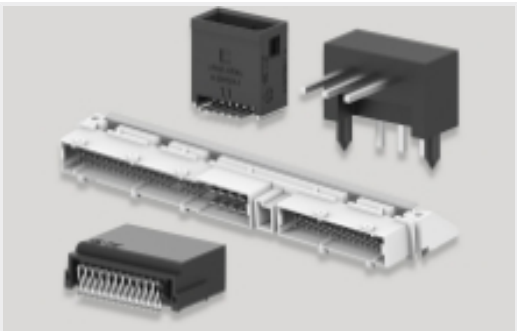
Connector Contacts(4)



Connector Hardware(2)



Insertion & Extraction Tools(1)



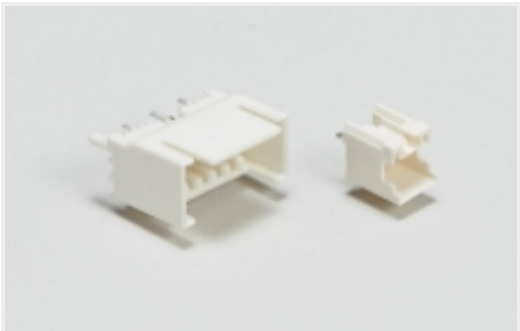
PCB Headers & Receptacles(677)



Power Contacts(3)



Rectangular Power Connectors(1178)



Wire-to-Board Headers & Receptacles (677)

Customers Also Bought



TE Part #801035-SF
FN3359-250-28



TE Part #35773
TERMINAL,SOLIS R 12-10 5/16



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



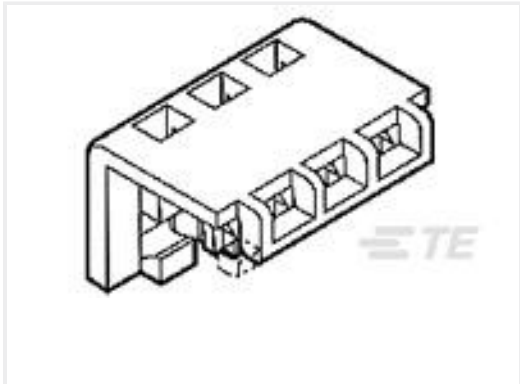
TE Part #58247-1
MTA 156 CRIMP HEAD REPAIR DISCRETE



TE Part #640250-5
05P SL156 HSG W/LCK RAMP NATL



TE Part #640706-2
CONTACT .045 POST PT BRASS



TE Part #643067-4
04P MTA156 CMOLDED COVER



TE Part #3-643817-4
04P MTA156 CONN ASSY 18AWG ORA



Documents

Product Drawings

12P MTA156 CONN ASSY 18AWG LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-643817-2_J.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-643817-2_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-643817-2_J.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

UL

English