



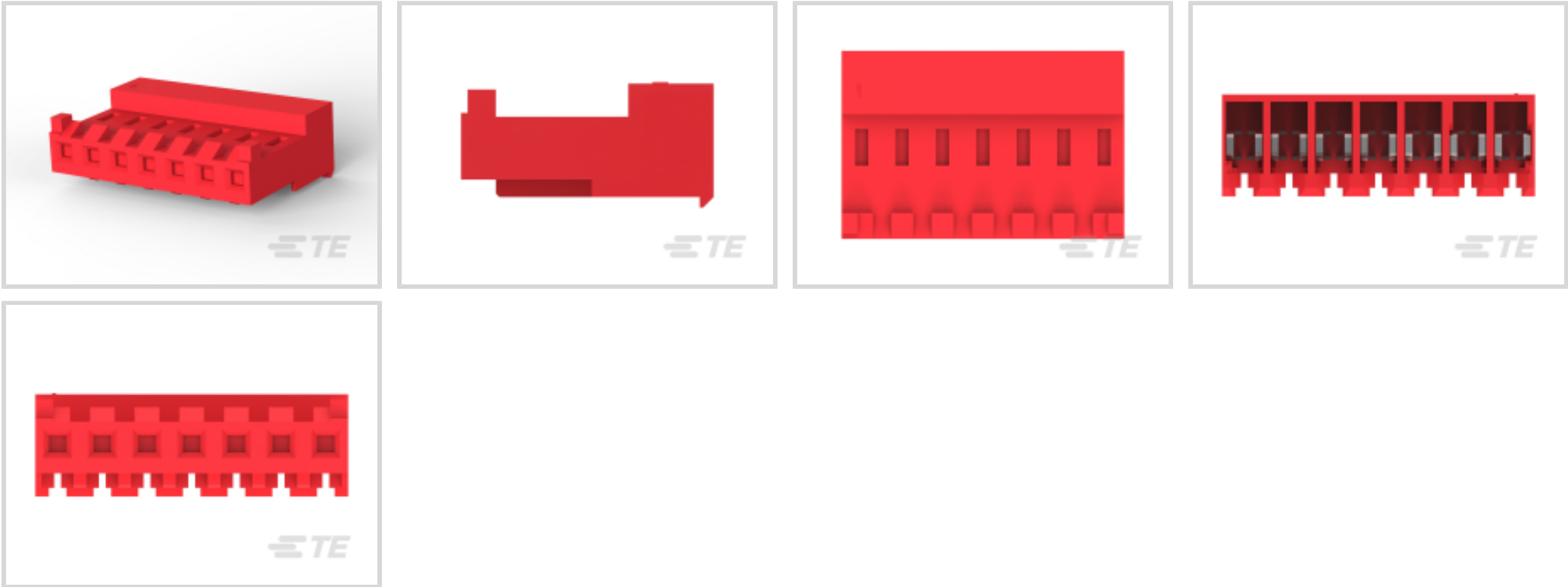
MTA 156

TE Internal #: 3-643819-7

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: **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	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	Red
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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 µm[80 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	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	Closed End
Centerline (Pitch)	3.96 mm[.156 in]

Dimensions

Compatible Insulation Diameter Range	2.41 mm[.095 in]
Connector Height	9.02 mm



Wire Size	22 AWG
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Connector Length	27.74 mm
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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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Glow Wire Rating	Standard Part - Not Glow Wire
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UL Flammability Rating	UL 94V-2
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Packaging Features

Packaging Quantity	250
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Packaging Method	Bag & Box
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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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
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Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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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 # 643464-1 07C MTA156 HDR F/L STR SQ SPL	 TE Part # 1-643464-4 07P MTA156 HD ASY ST W/O#1,4,6	 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 # 3-644754-7 07P MTA156 HDR ASSY SQ R/A F/L	 TE Part # 644753-7 07P MTA156 HDR ASSY RN STR F/L	 TE Part # 640388-7 07P MTA156 HDR ASSY RN STR F/L	 TE Part # 643464-3 07P MTA156 HDR ASSY STR W/O#5
 TE Part # 641991-5 07P MTA156 HDT SQ W/O#1,4,6	 TE Part # 59804-1 MAINTENANCE TOOL	 TE Part # 641112-5 07P MTA156 HDR ASSY W/O#3 & 6	 TE Part # 643464-9 07P MTA156 HDR ASSY W/O#3&6
 TE Part # 640445-7 07P MTA156 HDR ASSY FL/STR SN	 TE Part # 2-647127-7 07P MTA156 SHRD HDR ASSY LF	 TE Part # 640384-7 07P MTA156 HDR ASSY STR RND SN	 TE Part # 640385-7 07P MTA156 HDR ASSY SQ R/A



TE Part # 58247-3
MTA 156 CRIMP HEAD PRODUCTION
RBBN CABLE



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



TE Part # 641991-2
07P MTA156 HDR ASSY SQ W/O#5



TE Part # 640389-7
07P MTA156 HDR ASSY SQ R/A F/L

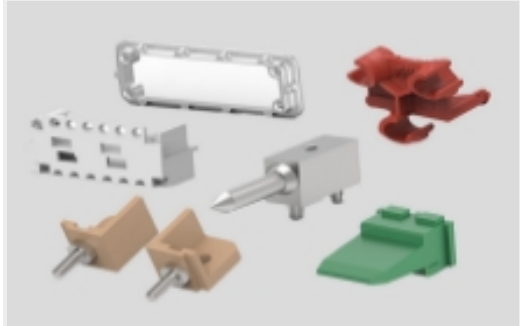
Also in the Series | MTA 156



Connector Caps & Covers(89)



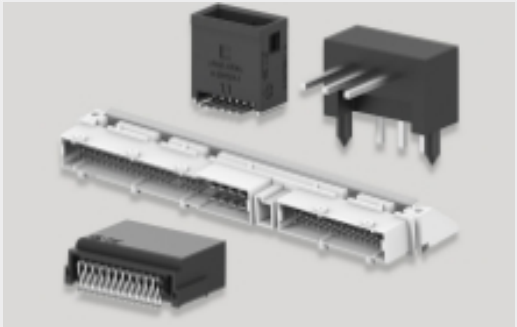
Connector Contacts(4)



Connector Hardware(2)



Insertion & Extraction Tools(1)



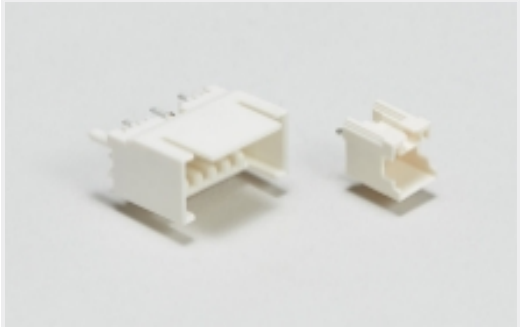
PCB Headers & Receptacles(677)



Power Contacts(3)



Rectangular Power Connectors(1178)

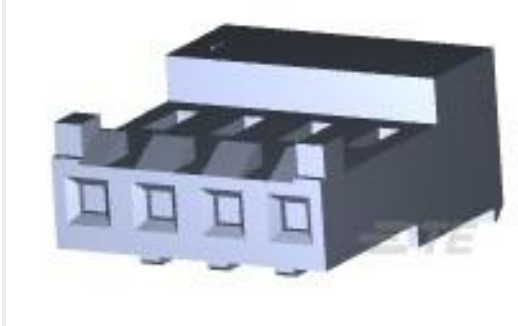


Wire-to-Board Headers & Receptacles
(677)

Customers Also Bought



TE Part #3-643813-6
06P MTA100 CONN ASSY POL RIB



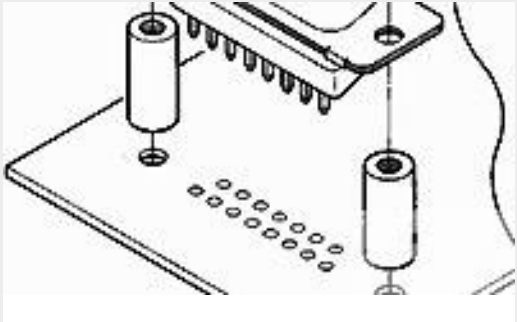
TE Part #3-643819-4
04P MTA156 CONN ASSY 22AWG RED



TE Part #102387-5
24 MODIV HSG COMP DR .100 POL



TE Part #2-320569-3
TERM, RT, PIDG, 12-10, 1/4, T&R



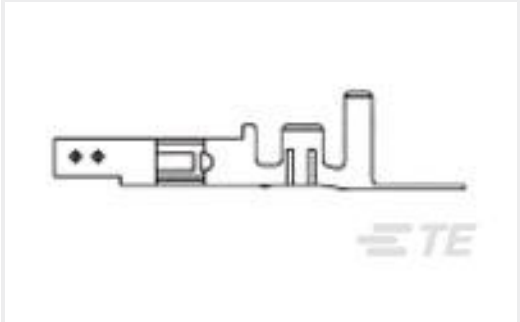
TE Part #5205933-3
BUSHING KIT



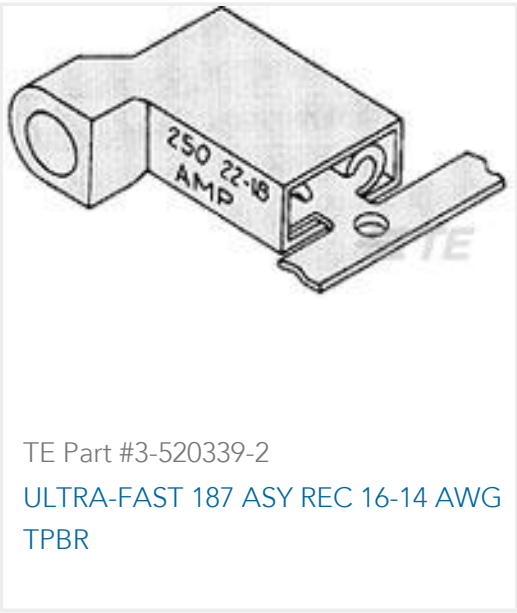
TE Part #52942-1
TERMINAL,PIDG SPR SPD 12-10 8



TE Part #211771-1
23-19 CPC RECEPT, STND SEX



TE Part #1586315-1
VAL-U-LOK SKT BR SN 24-18 LP



Documents

Product Drawings

07P MTA156 CONN ASSY 22AWG RED

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-643819-7_J.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-643819-7_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-643819-7_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

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

UL

English