



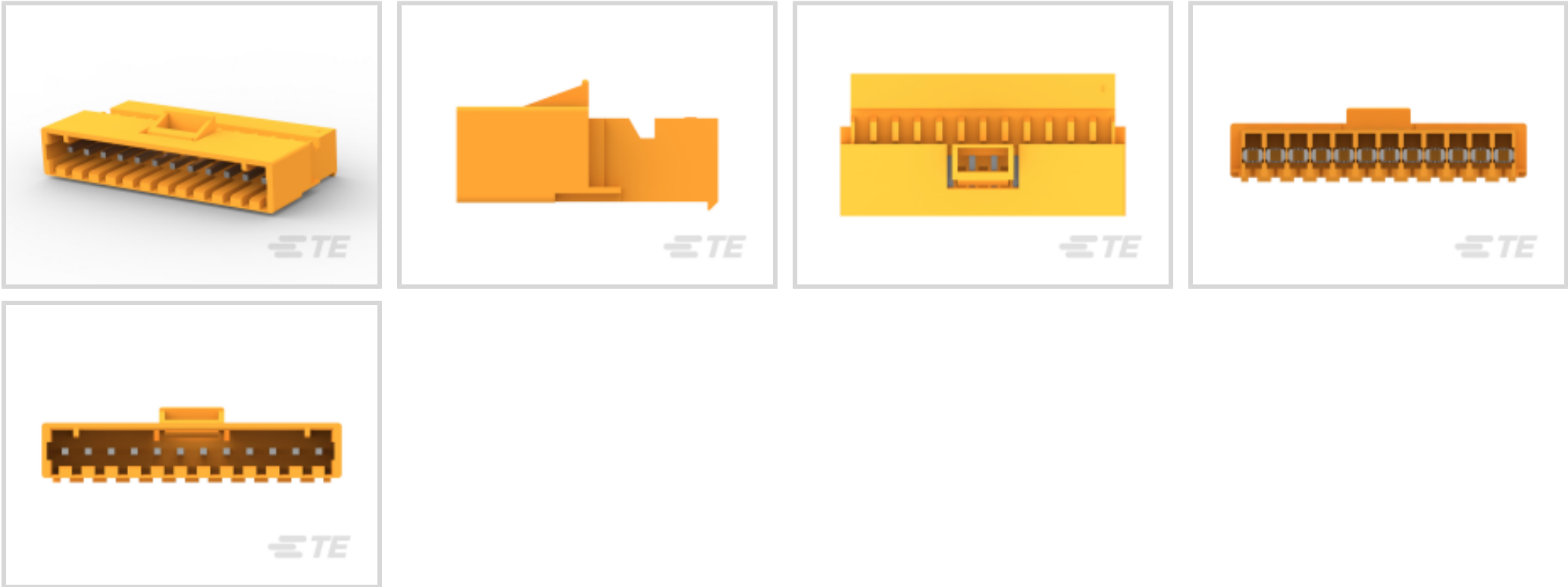
MTA 156

TE Internal #: 4-641435-2

Connector Assembly, Plug, Insulation Displacement (IDC), Wire-to-Wire, Tin (Sn), UL 94V-2, 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: **Plug**
Mating Alignment: **With**
Mating Alignment Type: **Polarization**
Mating Retention: **With**

Features

Product Type Features

Compatible With Discrete Wire Type	Stranded
Connector Product Type	Connector Assembly
Connector & Housing Type	Plug
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Power Positions	12
Number of Positions	12
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	Orange
Contact Features	
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	50 µm[1.27 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 µm[80 µin]
Contact Type	Pin
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	Polarization
Mating Retention	With
Mating Retention Type	Latch
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	12.37 mm



Wire Size	18 AWG
Connector Length	51.51 mm

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

Packaging Features

Packaging Quantity	600
Packaging Method	Package

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: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) 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

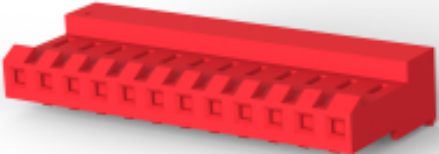
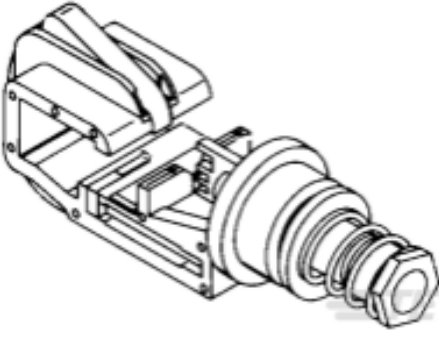
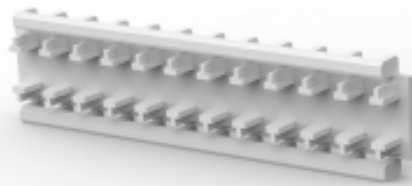
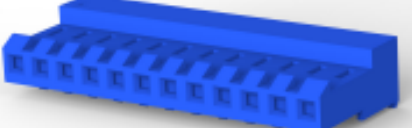
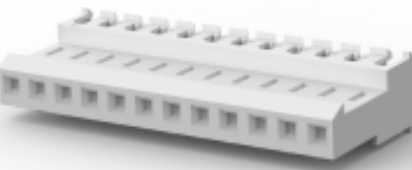
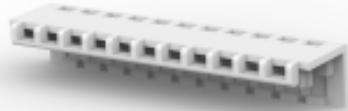
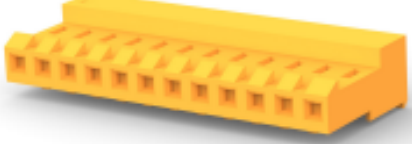
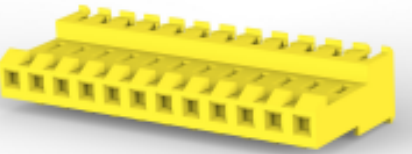
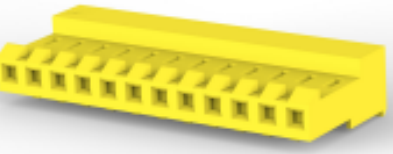
Product Compliance Disclaimer

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

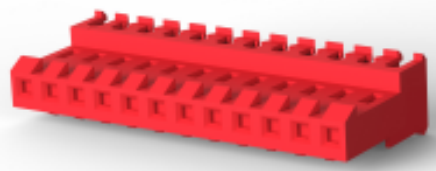


limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration 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>

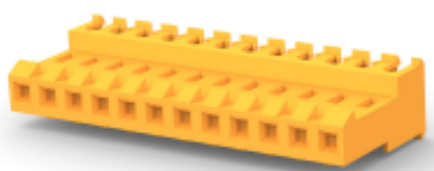
Compatible Parts

 TE Part # 4-644860-2 12P MTA156 CONN ASSY 18AWG LF	 TE Part # 4-640428-2 12P MTA156 CONN ASSY 22AWG RED	 TE Part # 58082-1 MTA 156 CRIMP HEAD PRODUCTION POSTED	 TE Part # 1-643071-2 12P MTA156 FD-THRU COVER POSTED
 TE Part # 1-2132189-2 12P SL156 HSG W/LCK RMP, TABS & RTNR	 TE Part # 4-640430-2 12P MTA156 CONN ASSY 26AWG BLU	 TE Part # 4-640602-2 12P MTA156 CONN ASSY 24AWG LF	 TE Part # 1-643067-2 12P MTA156 MOLDED COVER
 TE Part # 1-770996-2 12P SL 156 HSG W/TABS W/O LR	 TE Part # 1-640551-2 12P MTA156 COVER	 TE Part # 4-640426-2 12P MTA156 CONN ASSY 18AWG ORA	 TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME
 TE Part # 1-640643-2 12P MTA156 COVER F/T	 TE Part # 4-640600-2 12P MTA156 CONN ASSY 20AWG LF	 TE Part # 4-640427-2 12P MTA156 CONN ASSY 20AWG YEL	 TE Part # 4-640429-2 12P MTA156 CONN ASSY 24AWG WHT





TE Part # 4-640601-2
12P MTA156 CONN ASSY 22AWG LF



TE Part # 4-640599-2
12P MTA156 CONN ASSY 18AWG ORA

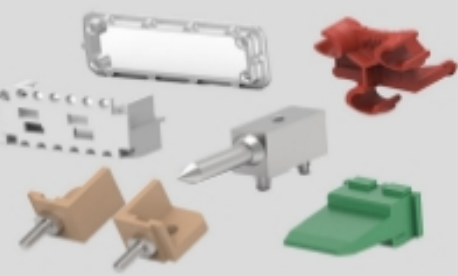
Also in the Series | MTA 156



Connector Caps & Covers(89)



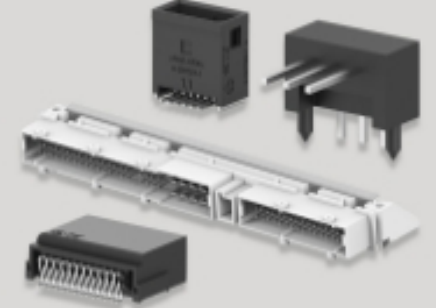
Connector Contacts(4)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(677)



Power Contacts(3)

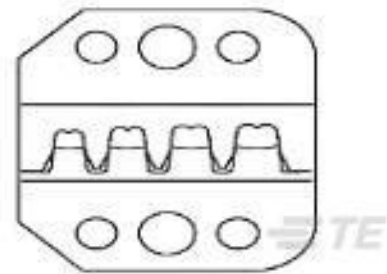


Rectangular Power Connectors(1178)



Wire-to-Board Headers & Receptacles (677)

Customers Also Bought



TE Part #58641-2
PROCRIMP DIE MOD IV



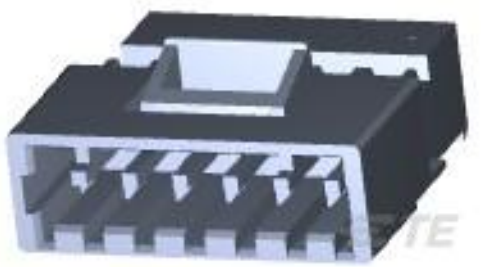
TE Part #1-640383-2
12P MTA156 HDR ASSY STR SQ SN



TE Part #543382-6
INSERT/EXTRACT TIP 25-KIT



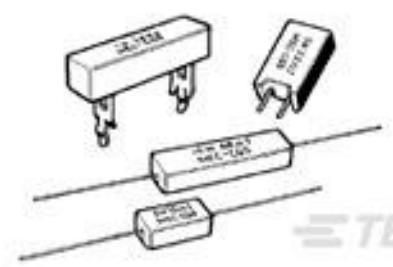
TE Part #58074-1
MTA 50/100/156 MANUAL TOOL FRAME



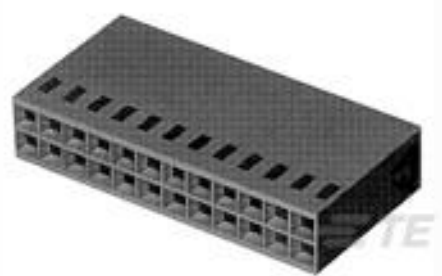
TE Part #3-641435-6
06P MTA156 CONN ASSY ORNG



TE Part #1658611-4
09 POS HDF PLUG, AP, LEAD FREE



TE Part #2-1623779-2
SQB20 100R 5% (WIRE)



TE Part #3-87456-9
50 MODIV HSG COMP DR .100CL



Documents

Product Drawings

12P MTA156 CONN ASSY ORNG

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-641435-2_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-641435-2_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-641435-2_K.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English