



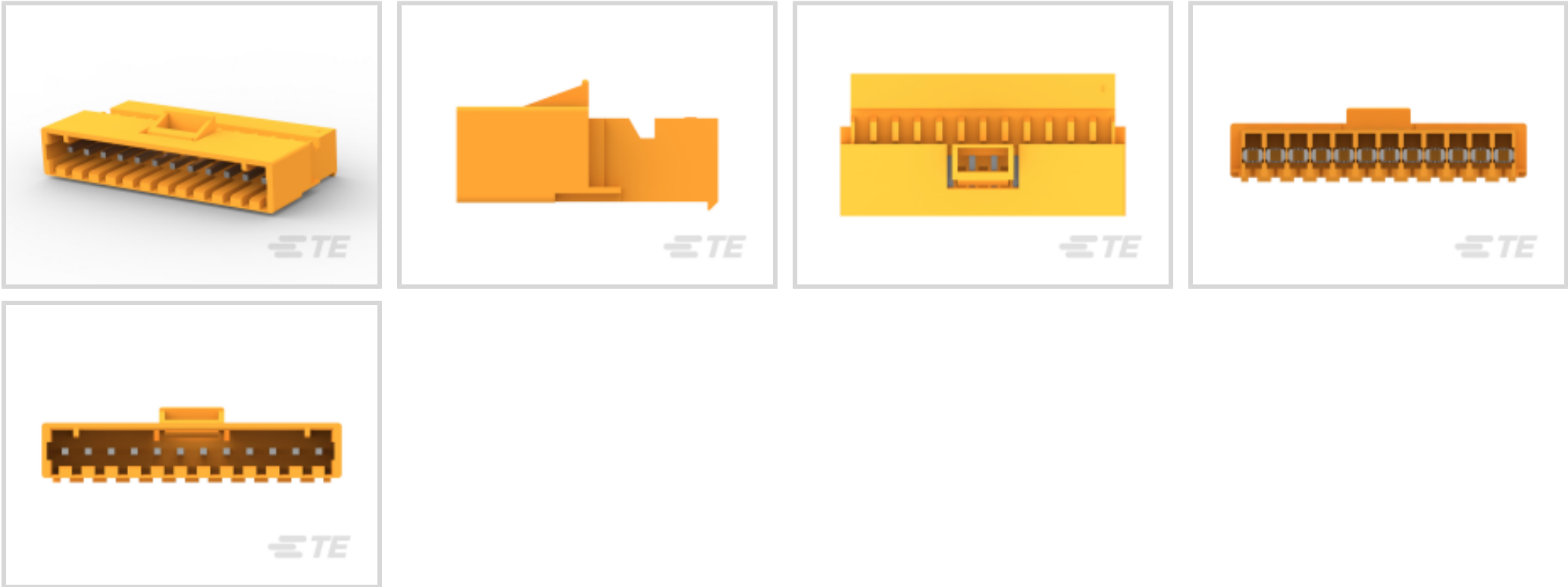
MTA 156

TE Internal #: 4-641435-2

Connector Assembly, Plug, Wire-to-Wire, 12 Position, 3.96 mm [.156 in] Centerline, Wire & Cable, UL 94V-2, MTA 156, Rectangular Power Connectors

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Connector Assembly**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Wire**

Number of Positions: **12**

Centerline (Pitch): **3.96 mm [.156 in]**

Features

Body Features

Cable Exit Angle	90°
------------------	-----

Packaging Features

Packaging Quantity	600
Packaging Method	Package

Dimensions

Compatible Insulation Diameter Range	2.41 mm[.095 in]
Product Length	51.51 mm
Connector Height	12.37 mm
Wire Size	.8 – .9 mm²

Mechanical Attachment

Strain Relief	With
Panel Mount Feature	Without
Mating Retention Type	Latch
PCB Mount Retention	Without



Contact Retention Type Within Housing	Locking Lance
Mating Retention	With
Mating Alignment Type	Polarization
Mating Alignment	With
PCB Mount Alignment	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	50 µm[1.27 µin]
Contact Layout	Inline
Contact Mating Area Plating Material	Tin
Contact Base Material	Copper Alloy
Wire Contact Termination Area Plating Thickness	2.03 µm[80 µin]
Contact Mating Area Plating Material Finish	Matte
Contact Current Rating (Max)	7 A
Contact Retention Within Housing	With
Contact Type	Pin
Wire Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	2.03 µm[80 µin]

Industry Standards

Compatible With Agency/Standards Products	UL, CSA
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
CSA Rating	LR 7189, Certified
UL Flammability Rating	UL 94V-2
Glow Wire Rating	Standard Part - Not Glow Wire

Housing Features

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

Product Type Features

--	--



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

Configuration Features

Number of Positions	12
Number of Power Positions	12
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
-------------------	---------

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
------------------------------------	-------------------------------

Usage Conditions

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

Operation/Application

Circuit Application	Power
---------------------	-------

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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: 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

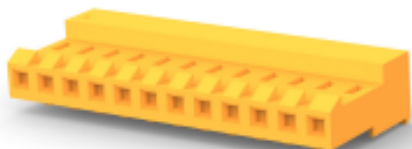
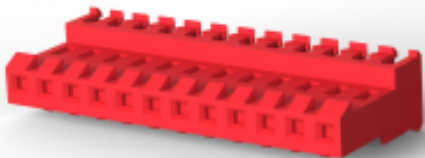
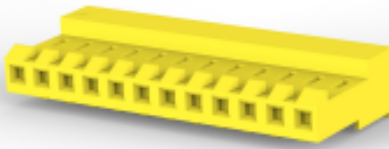
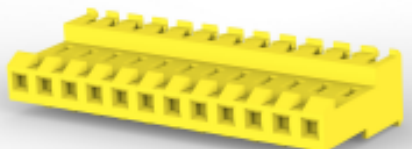
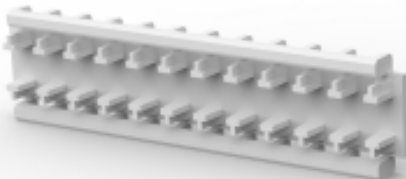
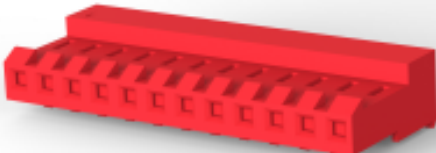
Solder Process Capability

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 # 4-640426-2 12P MTA156 CONN ASSY 18AWG ORA	 TE Part # 1-770996-2 12P SL 156 HSG W/TABS W/O LR	 TE Part # 1-643067-2 12P MTA156 MOLDED COVER	 TE Part # 1-640551-2 12P MTA156 COVER
 TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME	 TE Part # 4-640601-2 12P MTA156 CONN ASSY 22AWG LF	 TE Part # 1-640643-2 12P MTA156 COVER F/T	 TE Part # 4-640427-2 12P MTA156 CONN ASSY 20AWG YEL
 TE Part # 4-640600-2 12P MTA156 CONN ASSY 20AWG LF	 TE Part # 4-640429-2 12P MTA156 CONN ASSY 24AWG WHT	 TE Part # 1-643071-2 12P MTA156 FD-THRU COVER	 TE Part # 4-640428-2 12P MTA156 CONN ASSY 22AWG RED



TE Part # 4-644860-2
12P MTA156 CONN ASSY 18AWG LF

TE Part # 4-640602-2
12P MTA156 CONN ASSY 24AWG LF

TE Part # 4-640430-2
12P MTA156 CONN ASSY 26AWG BLU

TE Part # 1-2132189-2
12P SL156 HSG W/LCK RMP, TABS & RTNR

TE Part # 58082-1
MTA 156 CRIMP HEAD PRODUCTION POSTED

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)

Power Contacts(3)

Rectangular Power Connectors(331)

Standard Rectangular Connectors(336)

Wire-to-Board Headers & Receptacles (677)

Customers Also Bought

TE Part #6-1393211-2
T92P7A22-240

TE Part #1-640550-4
14P MTA100 COVER

TE Part #3-640442-3
03P MTA100 CONN ASSY BLU

TE Part #1609112-8
10CS1 M0=F7803



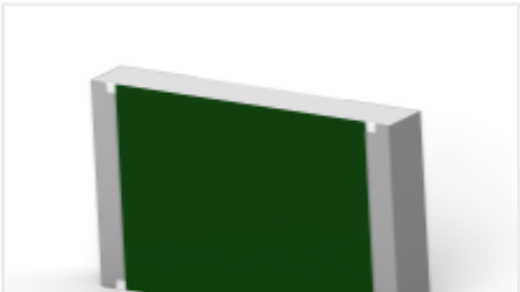
TE Part #1-2176070-5
3521 39R 1% 2W



TE Part #2-2176230-2
3522 47R 5% 3W



TE Part #1-644753-2
12P MTA156 HDR ASSY RN STR F/L



TE Part #4-2176400-6
3540 75R 1%



TE Part #480416-1
250 FASTON HSG. REC 1P NATURAL



TE Part #1520237-2
7320K3=8 AMP TOGGLE SWITCH

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

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English