



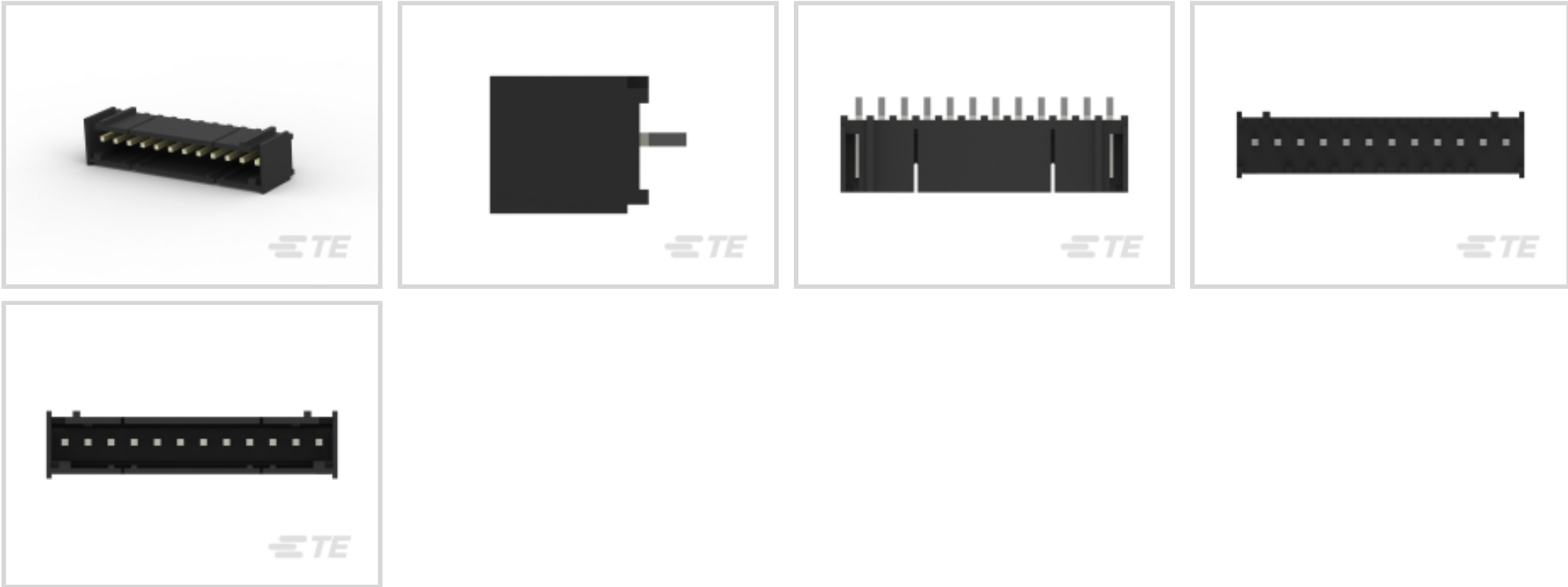
MTA 156

TE Internal #: 3-647123-2

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 12 Position, 3.96 mm [.156 in] Centerline, Printed Circuit Board, UL 94V-0, MTA 156

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **12**

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

Features

Product Type Features

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	12
PCB Mount Orientation	Vertical
Number of Power Positions	12
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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Body Features



Connector Profile	Standard
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Contact Features

Mating Post Length	7.62 mm[.3 in]
PCB Contact Termination Area Plating Material Thickness	2.54 μm[100 μin]
Contact Layout	Inline
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	7 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	3.81 – 8.89 μm[150 – 350 μin]

Termination Features

Termination Post & Tail Length	3.18 mm[.125 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Polarization
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Retention Type	Latch Detent
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	3.96 mm[.156 in]
Housing Color	Black
Housing Material	Polyester

Dimensions

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Connector Height	13.34 mm[.525 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Product Length	49.94 mm[1.966 in]

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

CSA Rating	Certified, LR 7189
UL Rating	Recognized
Agency/Standard	CSA, UL
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	1
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: JUNE 2023 (235) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 240°C

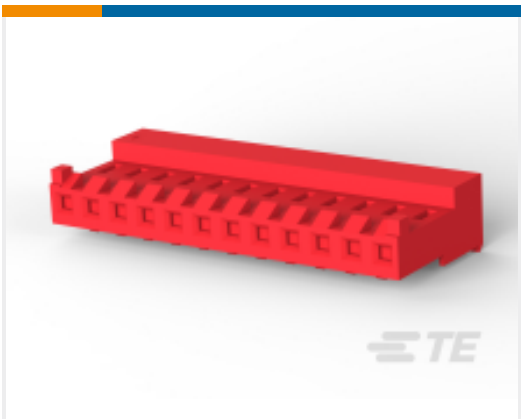
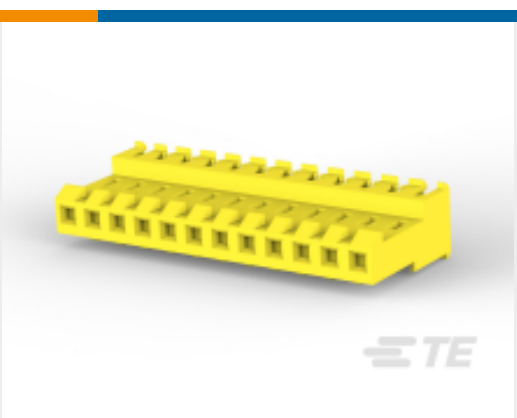
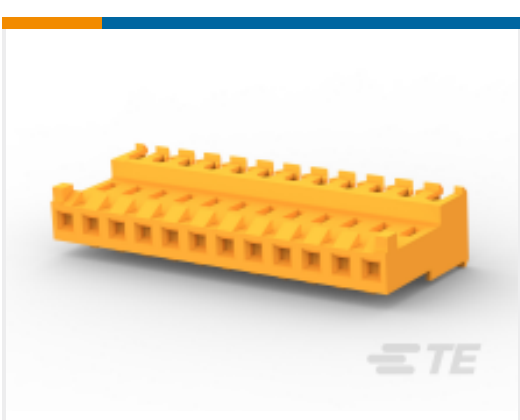
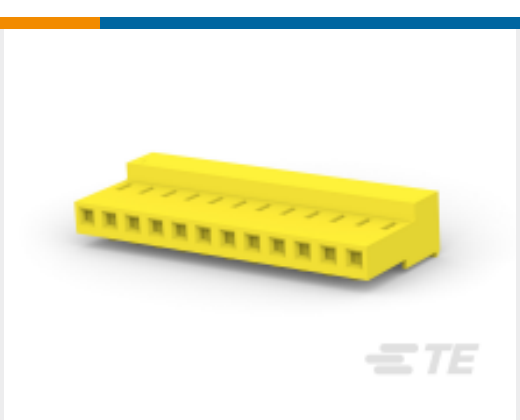
Product Compliance Disclaimer

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 # 4-640427-2 12P MTA156 CONN ASSY 20AWG YEL	 TE Part # 4-643818-2 12P MTA156 CONN ASSY 20AWG YEL	 TE Part # 4-640431-2 12P MTA156 CONN ASSY 18AWG ORA	 TE Part # 4-640426-2 12P MTA156 CONN ASSY 18AWG ORA
 TE Part # 1-640551-2 12P MTA156 COVER	 TE Part # 4-643819-2 12P MTA156 CONN ASSY 22AWG LF	 TE Part # 4-640599-2 12P MTA156 CONN ASSY 18AWG ORA	 TE Part # 1-643067-2 12P MTA156 MOLDED COVER
 TE Part # 1-643071-2 12P MTA156 FD-THRU COVER	 TE Part # 4-640429-2 12P MTA156 CONN ASSY 24AWG WHT	 TE Part # 4-640601-2 12P MTA156 CONN ASSY 22AWG LF	 TE Part # 4-640600-2 12P MTA156 CONN ASSY 20AWG LF
 TE Part # 4-644465-2 12P MTA156 CONN ASSY 18AWG ORA	 TE Part # 1-2132189-2 12P SL156 HSG W/LCK RMP, TABS & RTNR	 TE Part # 4-640432-2 12P MTA156 CONN ASSY 20AWG YEL	 TE Part # 4-640428-2 12P MTA156 CONN ASSY 22AWG RED



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

TE Part # 4-644464-2
12P MTA156 CONN ASSY 24AWG LF

TE Part # 4-643817-2
12P MTA156 CONN ASSY 18AWG LF

TE Part # 4-644466-2
12P MTA156 CONN ASSY 20AWG YEL

Also in the Series | MTA 156

Insertion & Extraction Tools(1)

PCB Connector Covers(88)

PCB Connector Keying(2)

PCB Connector Mounting(1)

PCB Headers & Receptacles(314)

Power Contacts(2)

Rectangular Power Connectors(698)

Standard Rectangular Connectors(337)

Wire-to-Board Connector Contacts(2)

Customers Also Bought

TE Part #5499910-9
A/L UNIV HDR 40P VERT SHT LAT

TE Part #5747150-2
09 RCPT SP/FMS STD

TE Part #5747193-2
50 RCPT RA/MS STD (SL)

TE Part #5569260-1
STK MJ ASSY, 8POS, 2X2, SHLD, CAT5





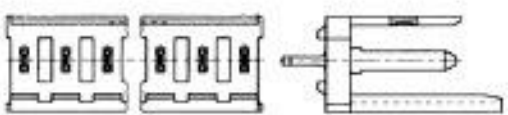
TE Part #1614882-3
CPF0603 E 0.1% 1K0 1K RL



TE Part #641966-1
03P UMNL PIN HDR ASSY 94VO



TE Part #350566-7
MINI AMP-IN 22-18 AWG POST TIN PLTD



TE Part #280611-1
6P MOD 1 SHROUDED HEADER, ST, TIN PLTD



TE Part #NB14724001
VERSAFIT-5/8-0-FSP

Documents

Product Drawings

12P MTA156 SHRD HDR ASSY SQ SN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-647123-2_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-647123-2_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-647123-2_D.3d_stp.zip

English

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Product Specifications

Application Specification

English