



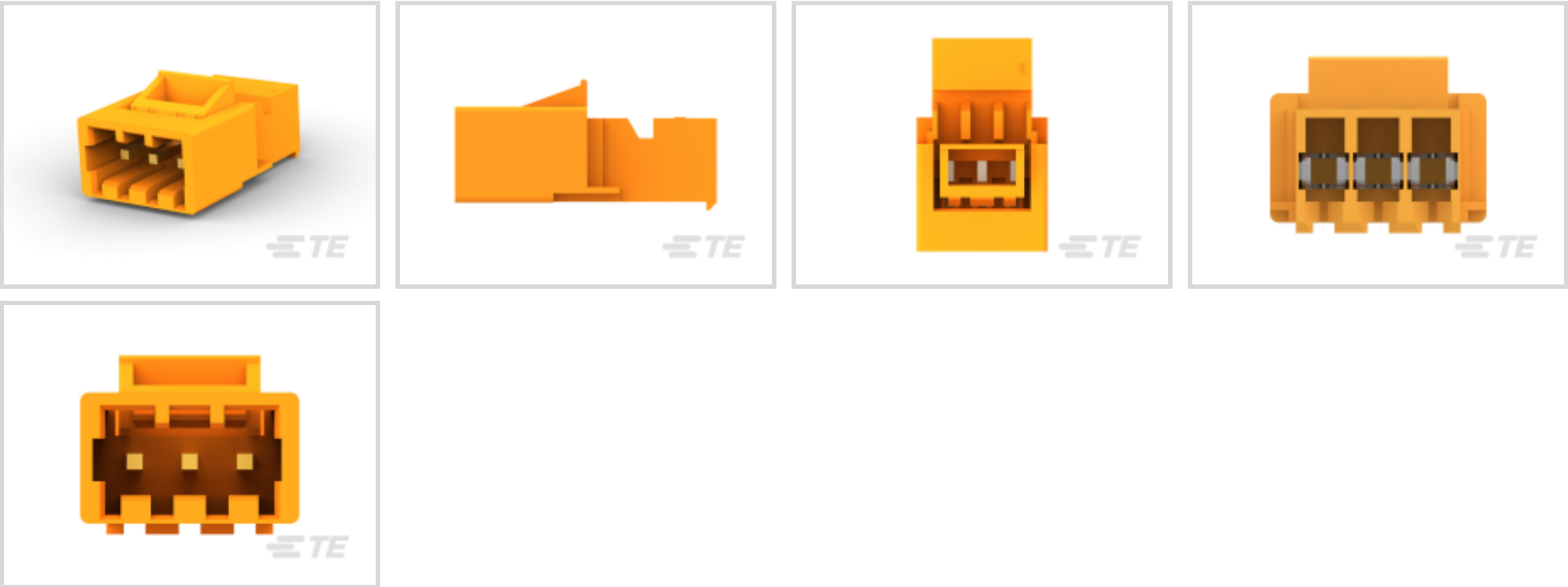
MTA 156

TE Internal #: 3-647476-3

Rectangular Power Connectors, Connector Assembly, Plug, Wire-to-Wire, 3 Position, 3.96 mm [.156 in] Centerline, Wire & Cable, UL 94V-2, MTA 156

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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: **3**

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

Features

Product Type Features

Compatible With Discrete Wire Type	Solid, 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	3
Number of Power Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Cable Exit Angle	90°
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Connector Profile	Standard
Contact Features	
Contact Layout	Inline
Contact Underplating Material Thickness	1.27 – 1.77 µm[1.27 – 1.77 µin]
Wire Contact Termination Area Plating Thickness	2.03 – 5.08 µm[80 – 200 µin]
Contact Mating Area Plating Material	Gold, Gold Flash over Palladium Nickel
Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy
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	.076 µm, .38 µm[3 µin][15 µin]
Termination Features	
Termination Method to Wire & Cable	Insulation Displacement (IDC)
Mechanical Attachment	
Strain Relief	With
Mating Alignment Type	Polarization
Mating Retention	With
Mating Alignment	With
Contact Retention Type Within Housing	Locking Lance
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Retention Type	Latch
Connector Mounting Type	Cable Mount (Free-Hanging)
Housing Features	
Wire & Cable IDC Installation Type	Closed End
Centerline (Pitch)	3.96 mm[.156 in]
Housing Color	Orange
Housing Material	Nylon
Dimensions	



Connector Height	12.37 mm[.487 in]
Product Length	15.85 mm[.624 in]
Compatible Insulation Diameter Range	2.41 mm[.095 in]
Wire Size	.8 – .9 mm²

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

Packaging Features

Packaging Quantity	500
Packaging Method	Bag

Product Compliance

For compliance documentation, visit the product page on TE.com>

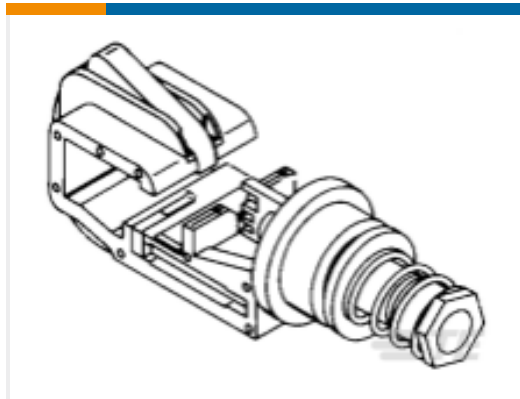
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not 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 # CAT-103156-WBHSM Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156	 TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME	 TE Part # 643071-3 03P MTA156 FD-THRU COVER	 TE Part # 640551-3 03P MTA156 COVER
 TE Part # 643067-3 03P MTA156 MOLDED COVER	 TE Part # 640643-3 03P MTA156 COVER F/T	 TE Part # 58082-1 MTA 156 CRIMP HEAD PRODUCTION POSTED	 TE Part # 3-641148-3 03P MTA156 ASSY 18AWG ORA LF
 TE Part # 3-641150-3 03P MTA156 ASSY 22AWG RED LF	 TE Part # 3-641151-3 03P MTA156 ASSY 24AWG WHT LF	 TE Part # 3-641168-3 03P MTA156 ASSY 18AWG ORA LF	 TE Part # 3-641170-3 03P MTA156 ASSY 22AWG RED LF

Also in the Series | MTA 156



Connector Caps & Covers(89)



Connector Contacts(4)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(314)

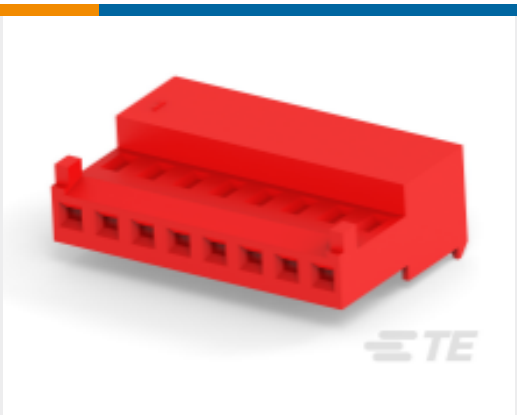


Rectangular Power Connectors(691)



Standard Rectangular Connectors(336)

Customers Also Bought



TE Part #3-644042-8
Nylon Gold Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100



TE Part #1971787-2
PTL RECEPTACLE CONTACT, 2X18 AWG



TE Part #3-640601-2
02P MTA156 CONN ASSY 22AWG LF



TE Part #40523
RING TERMINAL 12-10 AWG TPBR



TE Part #3-641435-3
03P MTA156 CONN ASSY ORNG



TE Part #456401-3
CRIMPER WIRE .042 F



TE Part #3-644467-2
02P MTA156 CONN ASSY 22AWG LF



TE Part #3-644284-5
05P MTA156 ASSY 18AWG ORA LF



TE Part #23241-6
BALL, STEEL

Documents



Product Drawings

03P MTA156 PSTD CONN 18AWG LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-647476-3_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-647476-3_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-647476-3_G.3d_stp.zip

English

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Product Specifications

Product Specification

English

Product Specification

English

Product Specification

English

Agency Approvals

CSA Certificate

English