

02P MTA156 CONN ASSY 18AWG ORA ☑ SUPERSEDED

MTA | MTA 156

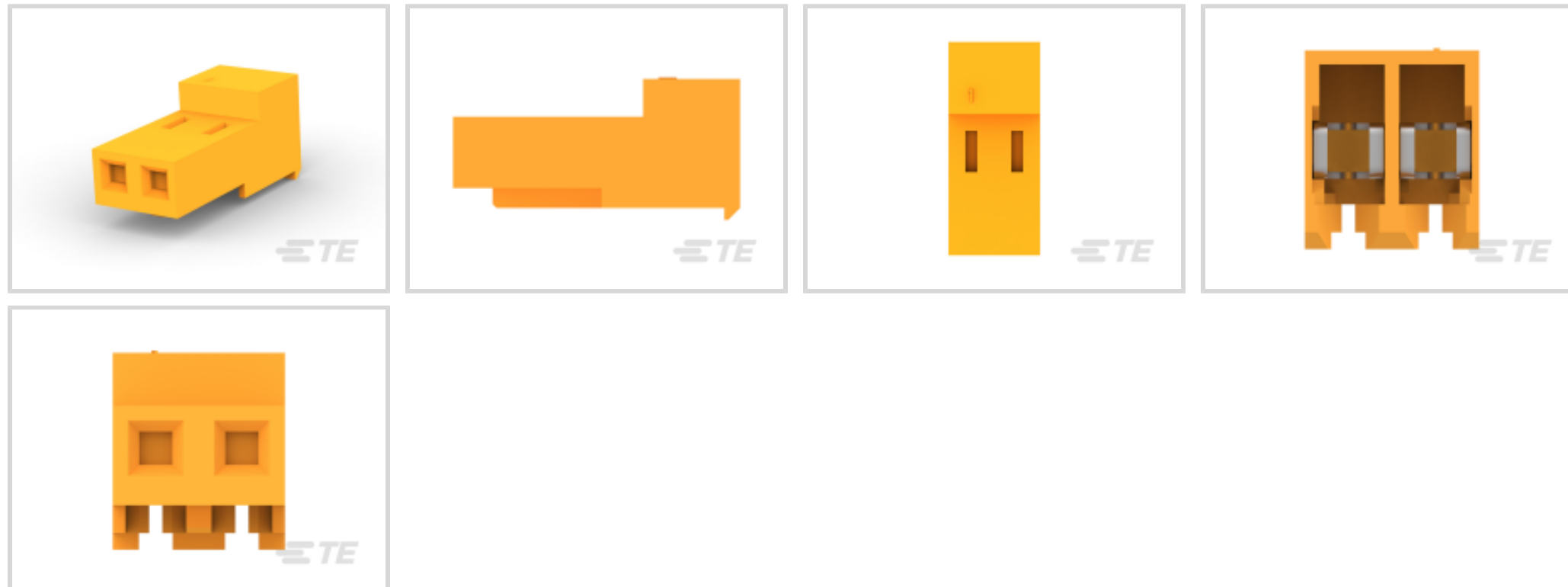
TE Part # 640431-2

TE Internal #: 640431-2

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Product Type: **Connector Assembly**

Housing Type: **Receptacle**

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

Number of Positions: **2**

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

Features

Product Type Features

Product Type	Connector Assembly
Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board, Wire & Cable
Contact Type	Socket

Configuration Features

Number of Positions	2
Number of Power Positions	2
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



Contact Layout	Inline
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	7 A
Contact Retention	With
Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material	Tin-Lead
Contact Mating Area Plating Thickness	2.03 – 5.08 μm [80 – 200 μin]
Contact Termination Area Plating Thickness	2.03 – 5.08 μm [80 – 200 μin]

Termination Features

Termination Method to Wire & Cable	Insulation Displacement Crimp (IDC)
Wire/Cable Type	Discrete Wire
Wire Type	Stranded

Mechanical Attachment

Strain Relief	With
Mating Alignment	Without
Contact Retention Type	Locking Lance
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Retention	Without

Housing Features

Wire & Cable IDC Installation Type	Closed End
Centerline (Pitch)	3.96 mm[.156 in]
UL Flammability Rating	UL 94V-2
Housing Color	Orange
Housing Material	Nylon
Cable Exit Angle	90°

Dimensions

Wire Size	.8 – .9 mm^2
Accepts Wire Insulation Diameter Range	2.41 mm[.095 in]
Height	9.02 mm[.355 in]



Length	7.92 mm[.312 in]
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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

CSA Rating	Certified
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	E28476
Agency/Standard	CSA, UL
UL Rating	Recognized
CSA File Number	LR7189

Packaging Features

Packaging Method	Bag/Box
Packaging Quantity	500

Other

For Use With	MTA .156 Header
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2019 (197) Candidate List Declared Against: JAN 2019 (197)
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

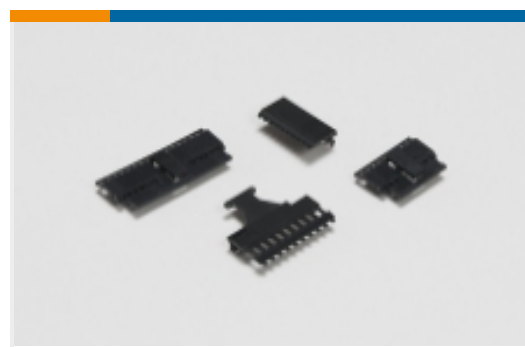
Product Compliance Disclaimer

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Also in the Series | **MTA 156**



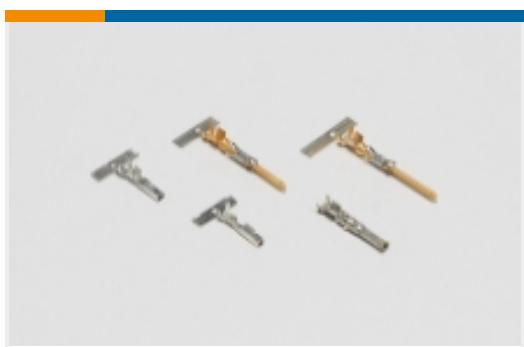
PCB Connector Covers(92)



PCB Connector Keying(2)



PCB Connector Mounting (1)



Power Contacts(3)



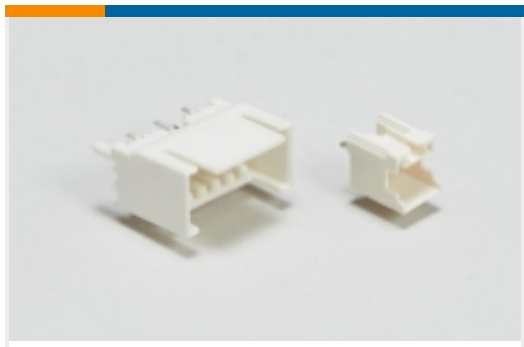
Rectangular Power Connectors(749)



Standard Rectangular Connectors(1310)

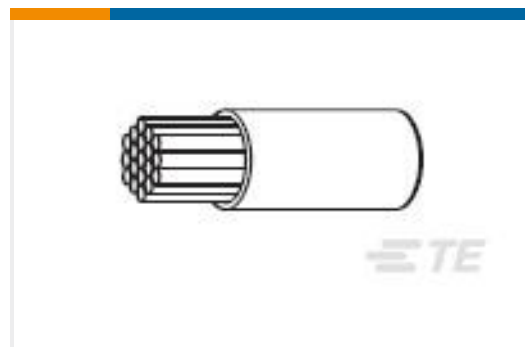


Wire-to-Board Connector Contacts(12)

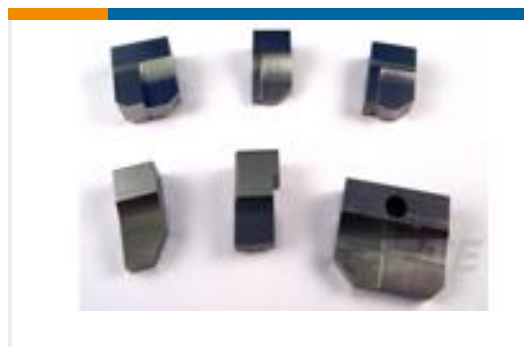


Wire-to-Board Headers & Receptacles(729)

Customers Also Bought



TE Part #939515-000
FLHTC0311-26-1



TE Part #1633840-2
ANVIL



TE Part #1803180-1
ANVIL, COMBINATION



TE Part #1855129-3
HDM w/FA
EMHBPR140TAB140O G



Documents

Product Drawings

[02P MTA156 CONN ASSY 18AWG ORA](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_640431-2_K.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_640431-2_K.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_640431-2_K.3d_stp.zip](#)

English

Datasheets & Catalog Pages

[MTA, CST-100 II, SL-156 and AMP Economy Power \(EP\) Connectors](#)

English

Product Specifications

[Application Specification](#)

English

[MTA 156 Ribbon Cable Connector Assemblies \(English And Spanish\)](#)

English

[Application Specification](#)



Japanese

[MTA 156 Ribbon Cable Connector Assemblies \(English And Spanish\)](#)

Japanese

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

[Ribbon Cable Tooling Assembly for Mass Termination Assembly](#)

English