



MTA 156

TE Internal #: 3-640431-6

Connector Assembly, Receptacle, Insulation Displacement (IDC),
Wire-to-Board, Tin (Sn), 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: **Receptacle**

Mating Alignment: **Without**

Mating Retention: **Without**

Termination Method to Wire & Cable: **Insulation Displacement (IDC)**

Features

Product Type Features

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

Configuration Features

Number of Power Positions	6
Number of Positions	6
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
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Contact Features

Contact Mating Area Plating Material Thickness	2.03 – 5.08 μm [80 – 200 μin]
Wire Contact Termination Area Plating Material	Tin
Contact Layout	Inline
Contact Base Material	Copper Alloy
Wire Contact Termination Area Plating Thickness	2.03 – 5.08 μm [80 – 200 μin]
Contact Type	Receptacle
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)
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Mechanical Attachment

Strain Relief	With
Panel Mount Feature	Without
Contact Retention Type Within Housing	Locking Lance
Mating Alignment	Without
Mating Retention	Without
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	9.02 mm[.355 in]
Wire Size	18 AWG
Connector Length	23.77 mm[.936 in]

Usage Conditions

Operating Temperature Range	-55 – 105 $^{\circ}\text{C}$ [-67 – 221 $^{\circ}\text{F}$]
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Operation/Application



Circuit Application

Power

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

250

Packaging Method

Bag & Box

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: JAN 2025 (247)
 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>

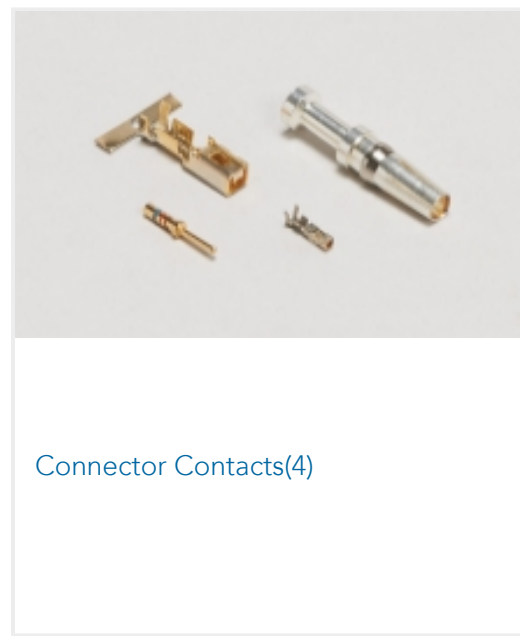
Compatible Parts



Also in the Series | [MTA 156](#)



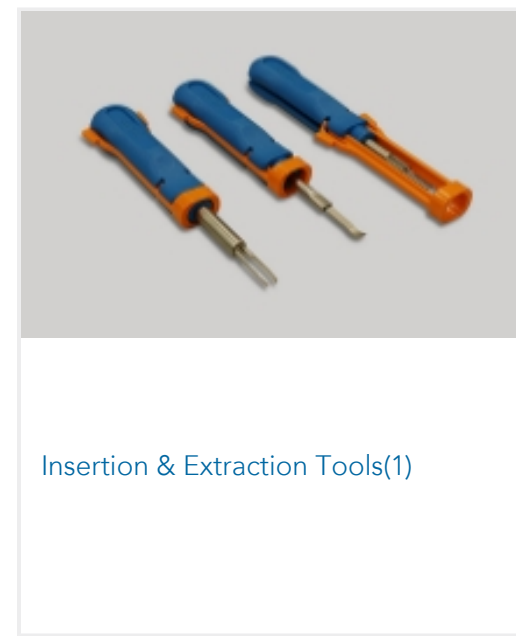
Connector Caps & Covers(89)



Connector Contacts(4)



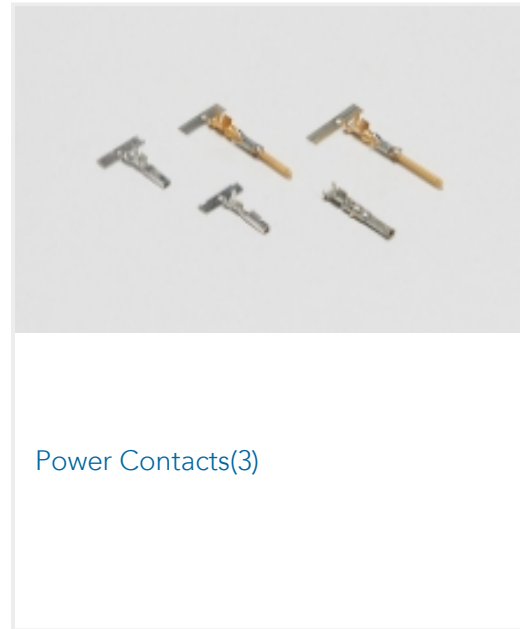
Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(677)



Power Contacts(3)



Rectangular Power Connectors(1178)



Wire-to-Board Headers & Receptacles (677)

Customers Also Bought



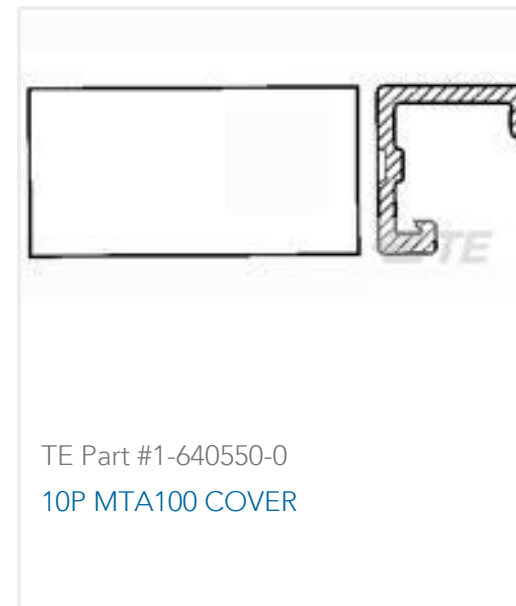
TE Part #7-2151546-7
OCEAN_2.0_SPARE_PART_KIT-110F



TE Part #2151546-2
OCEAN_2.0_APPLICATOR-S-110FA-RSA



TE Part #1-1879515-2
CRGH1206 1% 1K5 0.5W



TE Part #1-640550-0
10P MTA100 COVER



TE Part #1SNK705011R0000
ZK2.5-3P



TE Part #CAT-104MTA-NTPMP
MTA Plug: Nylon, Tin Plated, 2.54 mm, with Mating Alignment



TE Part #34109
SOLIS R 22-16 COMM 22-18MIL 10



TE Part #CAT-104MTA-NTPMR
Nylon Tin Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100

Documents

Product Drawings

06P MTA156 CONN ASSY 18AWG ORA

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-640431-6_L.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_3-640431-6_L.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-640431-6_L.3d_stp.zip](#)

English

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

Product Specifications

[Application Specification](#)

Japanese

[Application Specification](#)

English

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

English

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

Japanese

[Application Specification](#)

English

Agency Approvals

[Agency Approval Document](#)

English