



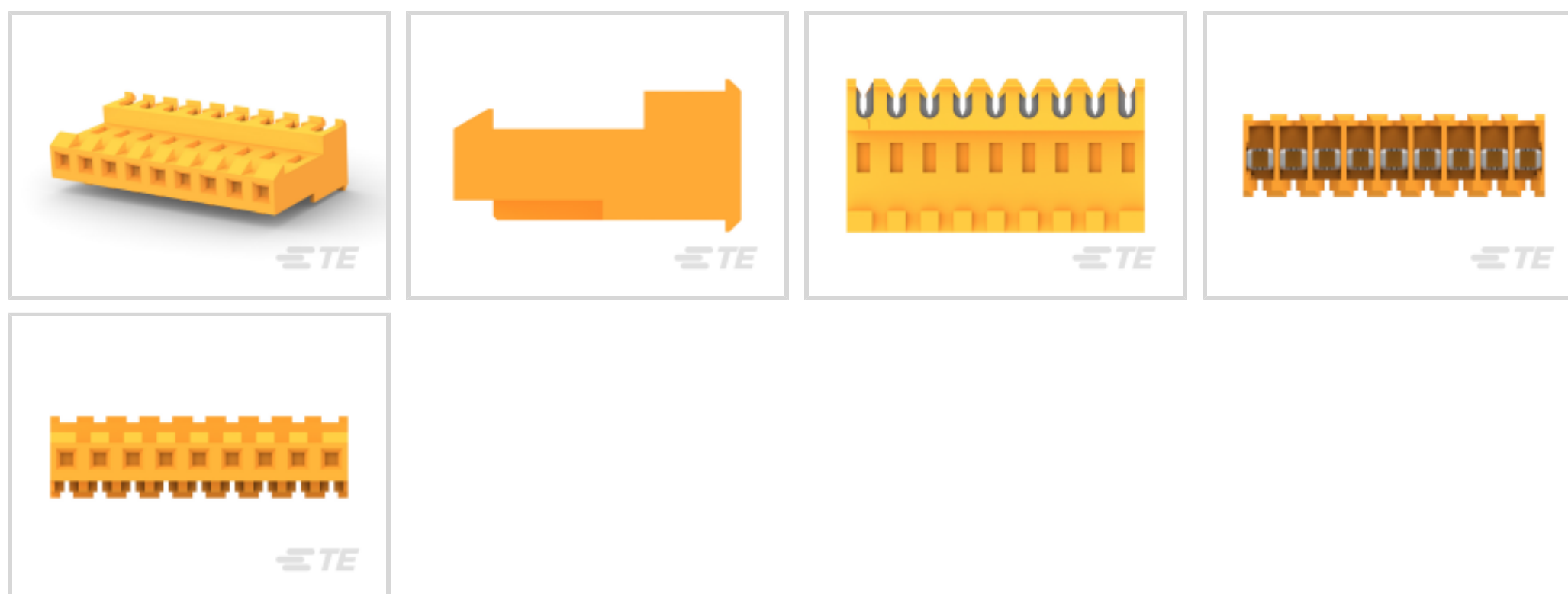
MTA 156

TE Internal #: 3-640599-9

Rectangular Power Connectors, Connector Assembly, Receptacle, Wire-to-Board, 9 Position, 3.96 mm [.156 in] Centerline, MTA 156

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **9**

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

Features

Product Type Features

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

Configuration Features

| | |
|---------------------------|---|
| Number of Positions | 9 |
| Number of Power Positions | 9 |
| Number of Rows | 1 |

Electrical Characteristics

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

Body Features

| | |
|-------------------|----------|
| Connector Profile | Standard |
|-------------------|----------|

Contact Features

| | |
|--|--|
| | |
|--|--|



| | |
|--|--|
| Contact Layout | Inline |
| Contact Underplating Material | Nickel |
| Contact Base Material | Copper Alloy |
| Contact Current Rating (Max) | 7 A |
| Contact Retention Within Housing | With |
| Contact Type | Receptacle |
| Wire Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material | Tin |
| Contact Mating Area Plating Material Thickness | 2.03 – 5.08 μm [80 – 200 μin] |
| Underplate Material Thickness | 30 μm [.762 μin] |
| Contact Mating Area Plating Material Finish | Matte |
| Contact Termination Area Plating Thickness | 2.03 – 5.08 μm [80 – 200 μin] |

Termination Features

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

Mechanical Attachment

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

Housing Features

| | |
|------------------------------------|-------------------|
| Wire & Cable IDC Installation Type | Feed Through |
| Centerline (Pitch) | 3.96 mm [.156 in] |
| Housing Color | Orange |
| Housing Material | Nylon |
| Cable Exit Angle | 90° |

Dimensions



| | |
|--|----------------------|
| Wire Size | .823 mm ² |
| Accepts Wire Insulation Diameter Range | 2.41 mm[.095 in] |
| Height | 9.78 mm[.385 in] |
| Length | 35.66 mm[1.404 in] |

Usage Conditions

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

Operation/Application

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

Industry Standards

| | |
|------------------------|-------------------------------|
| CSA Rating | Certified |
| UL Flammability Rating | UL 94V-2 |
| 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 | Box & Carton |
| Packaging Quantity | 250 |

Other

| | |
|--------------|-----------------|
| For Use With | MTA .156 Header |
|--------------|-----------------|

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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 # 58074-1
MTA 50/100/156 MANUAL TOOL FRAME



TE Part # 58443-1
MTA 156 CRIMP HEAD PRODUCTION FEED THRU



TE Part # 640389-9
09P MTA156 HDR ASSY SQ R/A F/L



TE Part # 644752-9
09P MTA156 HDR ASSY SQ STR F/L



TE Part # 640643-9
09P MTA156 COVER F/T



TE Part # 640445-9
09P MTA156 HDR ASSY FL/STR SN



TE Part # 3-644615-9
09P MTA156 POL HDR ASSY LF



TE Part # 640383-9
09P MTA156 HDR ASSY STR SQ SN



TE Part # 643067-9
09P MTA156 MOLDED COVER



TE Part # 643071-9
09P MTA156 FD-THRU COVER



TE Part # 3-641438-9
09P MTA156 PSTD CONN ASSY WHT



TE Part # 640385-9
09P MTA156 HDR ASSY SQ R/A




TE Part # 59804-1
MAINTENANCE TOOL



TE Part # 640384-9
09P MTA156 HDR ASSY STR RND SN



TE Part # 640388-9
09P MTA156 HDR ASSY RN STR F/L



TE Part # 3-641435-9
09P MTA156 CONN ASSY ORNG



TE Part # 640551-9
09P MTA156 COVER



TE Part # 2-647123-9
09P MTA156 SHRD HDR ASSY SQ SN




TE Part # 641936-6
09P MTA156 HDR ASSY F/L W/O#8



TE Part # 2-647125-9
09P MTA156 SHRD HDR ASSY LF

Also in the Series | **MTA 156**



Insertion & Extraction Tools(1)



PCB Connector Covers(92)




PCB Connector Keying(2)




PCB Connector Mounting(1)



PCB Headers & Receptacles(729)




Power Contacts(3)




Rectangular Caps & Covers(1)



Rectangular Power Connectors(749)



Standard Rectangular Connectors
(1309)



Wire-to-Board Connector Contacts(12)

Documents



CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_3-640599-9_N.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-640599-9_N.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-640599-9_N.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

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

English

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

Agency Approvals

[CSA Certificate](#)

English