



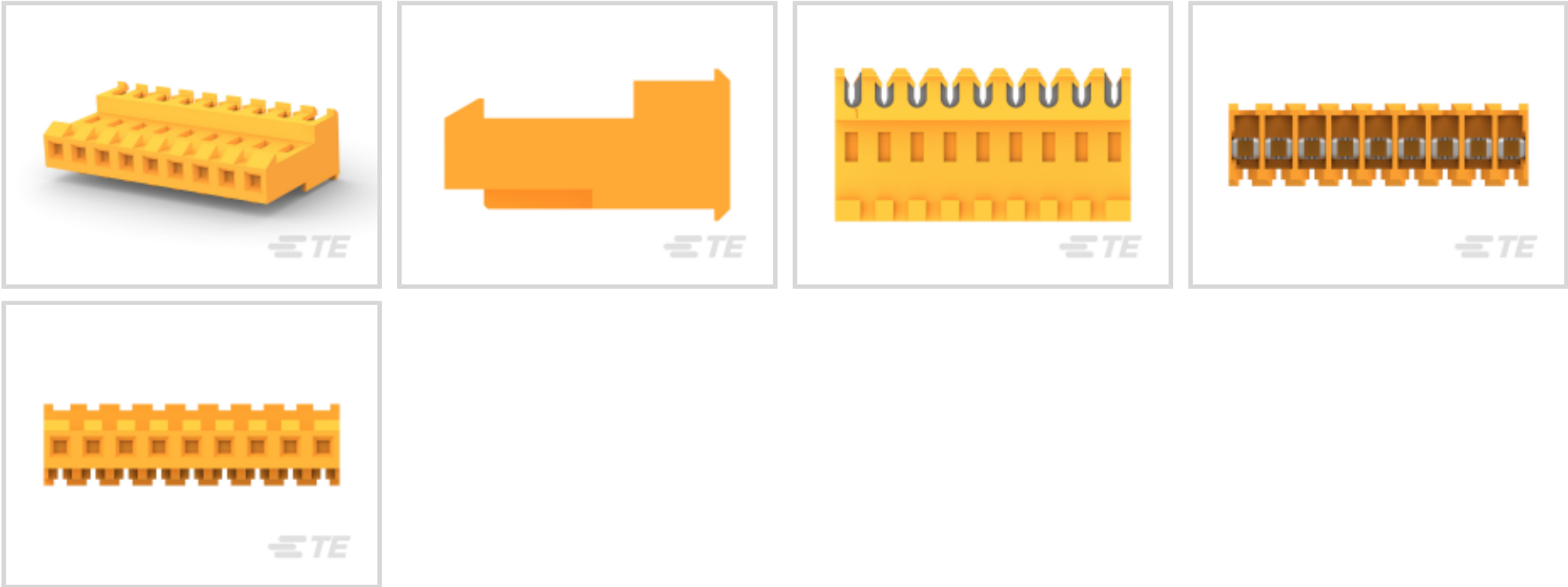
MTA 156

TE Internal #: 3-640599-9

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: **With**  
Mating Retention Type: **Locking Ramp**

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 | 9 |
| Number of Positions       | 9 |
| Number of Rows            | 1 |

Electrical Characteristics

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

Body Features

|                  |     |
|------------------|-----|
| Cable Exit Angle | 90° |
|------------------|-----|



|                       |        |
|-----------------------|--------|
| Primary Product Color | Orange |
|-----------------------|--------|

Contact Features

|                                                 |                              |
|-------------------------------------------------|------------------------------|
| Contact Underplating Material                   | Nickel                       |
| Contact Underplating Material Thickness         | 30 µm[.762 µin]              |
| Wire Contact Termination Area Plating Material  | Tin                          |
| Contact Mating Area Plating Material Thickness  | 2.03 – 5.08 µm[80 – 200 µin] |
| 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 Finish     | Matte                        |
| 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) |
|------------------------------------|-------------------------------|

Mechanical Attachment

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

Housing Features

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

Dimensions

|                                      |                  |
|--------------------------------------|------------------|
| Compatible Insulation Diameter Range | 2.41 mm[.095 in] |
| Connector Height                     | 9.78 mm[.385 in] |
| Wire Size                            | 18 AWG           |



|                  |                    |
|------------------|--------------------|
| Connector 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

|                                             |                               |
|---------------------------------------------|-------------------------------|
| 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   | Box & Carton |

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)<br>Candidate List Declared Against: JAN 2025 (247)<br>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                                                                                  |

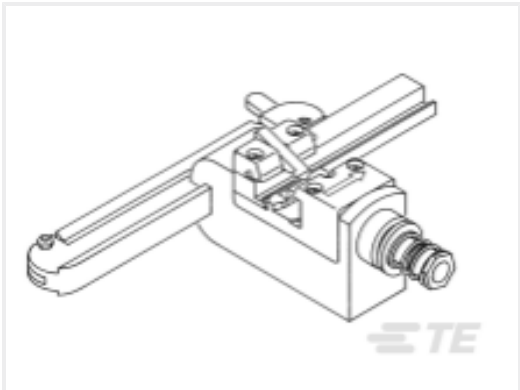
Product Compliance Disclaimer

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



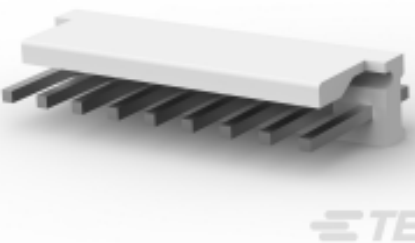
numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the 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

|                                                                                                                                                          |                                                                                                                                                   |                                                                                                                                                   |                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 2-647127-9<br/>09P MTA156 SHRD HDR ASSY LF</p>            |  <p>TE Part # 3-641436-9<br/>09P MTA156 PST CONN ASSY LF</p>    |  <p>TE Part # 641936-1<br/>09P MTA156 HDR SQ STR SN SPCL</p>   |  <p>TE Part # 641936-6<br/>09P MTA156 HDR ASSY F/L W/O#8</p>     |
|  <p>TE Part # 58443-1<br/>MTA 156 CRIMP HEAD PRODUCTION FEED THRU</p> |  <p>TE Part # 640389-9<br/>09P MTA156 HDR ASSY SQ R/A F/L</p> |  <p>TE Part # 643067-9<br/>09P MTA156 MOLDED COVER</p>       |  <p>TE Part # 641936-3<br/>09P MTA156 HDR ASSY W/O 4 PINS</p>  |
|  <p>TE Part # 644753-9<br/>09P MTA156 HDR ASSY RN STR F/L</p>         |  <p>TE Part # 3-641439-9<br/>09P MTA156 PST CON ASSY LF</p>   |  <p>TE Part # 3-641524-9<br/>09P MTA156 POST CON ASSY LF</p> |  <p>TE Part # 3-641437-9<br/>09P MTA156 PSTD CONN ASSY RED</p> |
|  <p>TE Part # 3-644615-9<br/>09P MTA156 POL HDR ASSY LF</p>           |  <p>TE Part # 640384-9<br/>09P MTA156 HDR ASSY STR RND SN</p> |  <p>TE Part # 640551-9<br/>09P MTA156 COVER</p>              |  <p>TE Part # 640385-9<br/>09P MTA156 HDR ASSY SQ R/A</p>      |



TE Part # 59804-1  
MAINTENANCE TOOL



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



TE Part # 641936-8  
09P MTA156 HDR ASSY OMIT #4,8



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

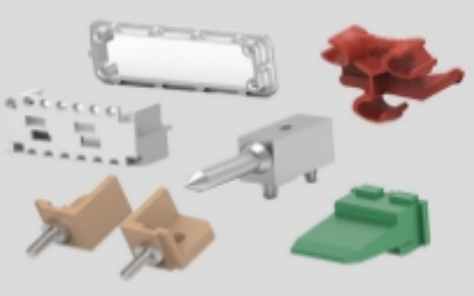
Also in the Series | MTA 156



Connector Caps & Covers(89)



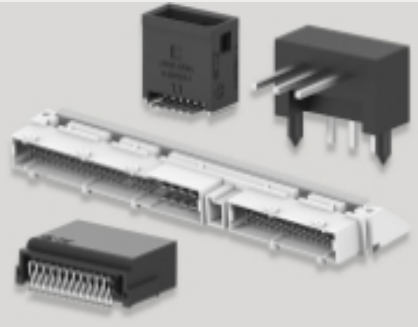
Connector Contacts(4)



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 #1658659-1  
KIT,HDP-20,ENCLSUR,PLUG,SIZE 3



TE Part #1658688-1  
KIT,HDP-22,ENCLSUR,RCPT,SIZE 1



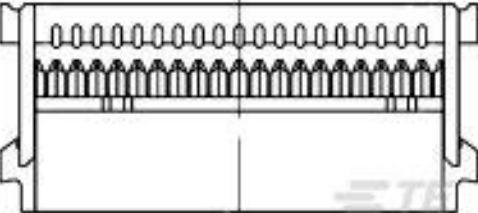
TE Part #640551-2  
02P MTA156 COVER



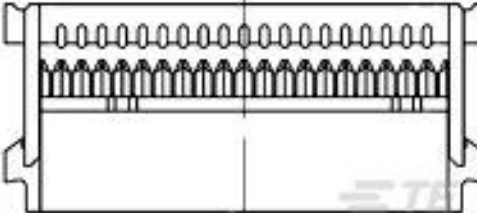
TE Part #640551-9  
09P MTA156 COVER



TE Part #66103-2  
III+ PIN,24-20,TIN-LEAD,LP



TE Part #2-1658526-4  
609-5041LF FEM SOCKT,LEAD FREE



TE Part #1-1658526-6  
609-2641LF FEM SOCKT,LEAD FREE



TE Part #6-1393250-6  
W28-XT1A-2=W28



Documents

Product Drawings

09P MTA156 CONN ASSY 18AWG ORA

English

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.

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

UL

English