

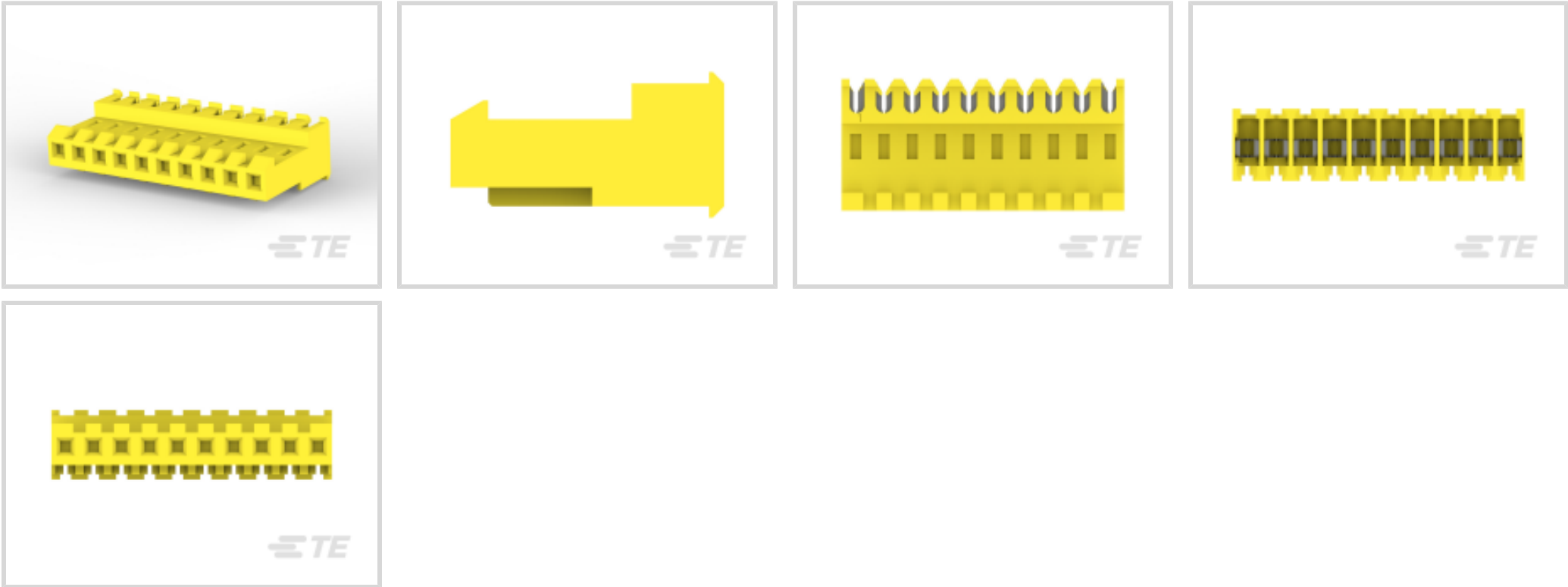


MTA 156

TE Internal #: 4-640600-0  
10 Position, Receptacle, Connector Assembly, Insulation  
Displacement (IDC), Wire-to-Board, Tin (Sn), Normal, UL 94V-2,  
MTA 156

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Connector Assembly**  
Mating Alignment: **Without**  
Connector & Housing Type: **Receptacle**  
Mating Retention Type: **Locking Ramp**  
Connector System: **Wire-to-Board**

Features

Product Type Features

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

Configuration Features

|                     |     |
|---------------------|-----|
| Number of Cavities  | 10  |
| Contacts Preloaded  | Yes |
| Number of Positions | 10  |
| Number of Rows      | 1   |

Electrical Characteristics

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



Body Features

|                       |        |
|-----------------------|--------|
| Primary Product Color | Yellow |
|-----------------------|--------|

Contact Features

|                                                |            |
|------------------------------------------------|------------|
| Contact Underplating Material                  | Nickel     |
| Wire Contact Termination Area Plating Material | Tin        |
| 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) |
|------------------------------------|-------------------------------|

Mechanical Attachment

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

Housing Features

|                    |                  |
|--------------------|------------------|
| Housing Material   | Nylon            |
| Centerline (Pitch) | 3.96 mm[.156 in] |

Dimensions

|                  |                   |
|------------------|-------------------|
| Connector Width  | 9.78 mm[.385 in]  |
| Connector Height | 18.42 mm[.725 in] |
| Wire Size        | 20 AWG            |
| Connector Length | 39.62 mm[1.56 in] |

Usage Conditions

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

Operation/Application

|                     |        |
|---------------------|--------|
| Shielded            | No     |
| Circuit Application | Signal |

Industry Standards

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



|                                             |            |
|---------------------------------------------|------------|
| Compatible With Agency/Standards Products   | CSA, UL    |
| UL Rating                                   | Recognized |
| Compatible With Approved Standards Products | UL E28476  |
| CSA Rating                                  | LR 7189    |
| 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>

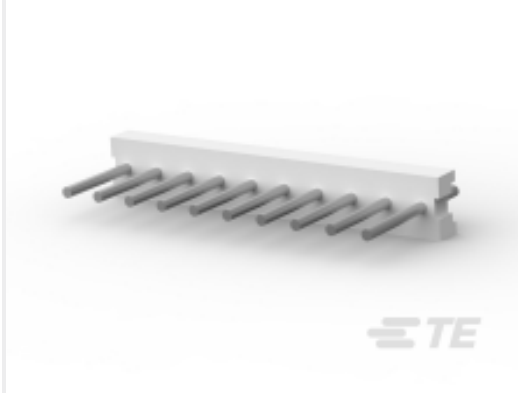
|                                               |                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 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: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F < 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 # 3-647127-0<br/>10P MTA156 SHRD HDR ASSY LF</p>     |  <p>TE Part # 1-640388-0<br/>10P MTA156 HDR ASSY RN STR F/L</p>   |  <p>TE Part # 1-644753-0<br/>10P MTA156 HDR ASSY RN STR F/L</p>   |  <p>TE Part # 1-640383-0<br/>10P MTA156 HDR ASSY STR SQ SN</p> |
|  <p>TE Part # 1-640389-0<br/>10P MTA156 HDR ASSY SQ R/A F/L</p> |  <p>TE Part # 1-640445-0<br/>10P MTA156 HDR ASSY FL/STR SN</p>   |  <p>TE Part # 1-644749-0<br/>10P MTA156 HDR ASSY STR SQ SN</p>   |  <p>TE Part # 1-643067-0<br/>10P MTA156 MOLDED COVER</p>      |
|  <p>TE Part # 1-640643-0<br/>10P MTA156 COVER F/T</p>          |  <p>TE Part # 1-640384-0<br/>10P MTA156 HDR ASSY STR RND SN</p> |  <p>TE Part # 1-640385-0<br/>10P MTA156 HDR ASSY SQ R/A</p>     |  <p>TE Part # 1-644751-0<br/>10P MTA156 HDR ASSY R/A</p>     |
|  <p>TE Part # 58074-1<br/>MTA 50/100/156 MANUAL TOOL FRAME</p> |  <p>TE Part # 3-647125-0<br/>10P MTA156 SHRD HDR ASSY LF</p>    |  <p>TE Part # 1-1744516-0<br/>10P MTA156 HDR PO GW LF</p>       |  <p>TE Part # 1-643071-0<br/>10P MTA156 FD-THRU COVER</p>    |
|  <p>TE Part # 59804-1<br/>MAINTENANCE TOOL</p>                 |  <p>TE Part # 3-647123-0<br/>10P MTA156 SHRD HDR ASSY SQ SN</p> |  <p>TE Part # 4-644617-0<br/>10P MTA156 HDR ASY PO RA FB LF</p> |  <p>TE Part # 4-644615-0<br/>10P MTA156 POL LOCK ASSY LF</p> |

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 #DT04-6P-CL06  
REC, 6P, BLK, E, FLANGE

TE Part #31807  
TERMINAL,SOLIS R 8 10

TE Part #206043-4  
CPC RECPT ASSEMBLY SIZE 17-14

TE Part #3-640600-7  
07P MTA156 CONN ASSY 20AWG LF

TE Part #4-640602-0  
10P MTA156 CONN ASSY 24AWG LF

TE Part #647344-5  
05P SL156 HSG W/RP TB BLK #3

TE Part #917981-2  
HYBRID MK-2 PLUG HSG ASSY 16P

TE Part #1-1393231-1  
RP412012

TE Part #1-1744036-2  
12P ECONOMY POWER .200 CL HSG

TE Part #1-1775441-5  
EMIX CONN., 1.5MM PITCH, RCPT, HSG, 15P

Documents



Product Drawings

10P MTA156 CONN ASSY 20AWG LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_4-640600-0\_S.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_4-640600-0\_S.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_4-640600-0\_S.3d\_stp.zip

English

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

Product Specifications

Application Specification

English

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

Agency Approval Document

English