

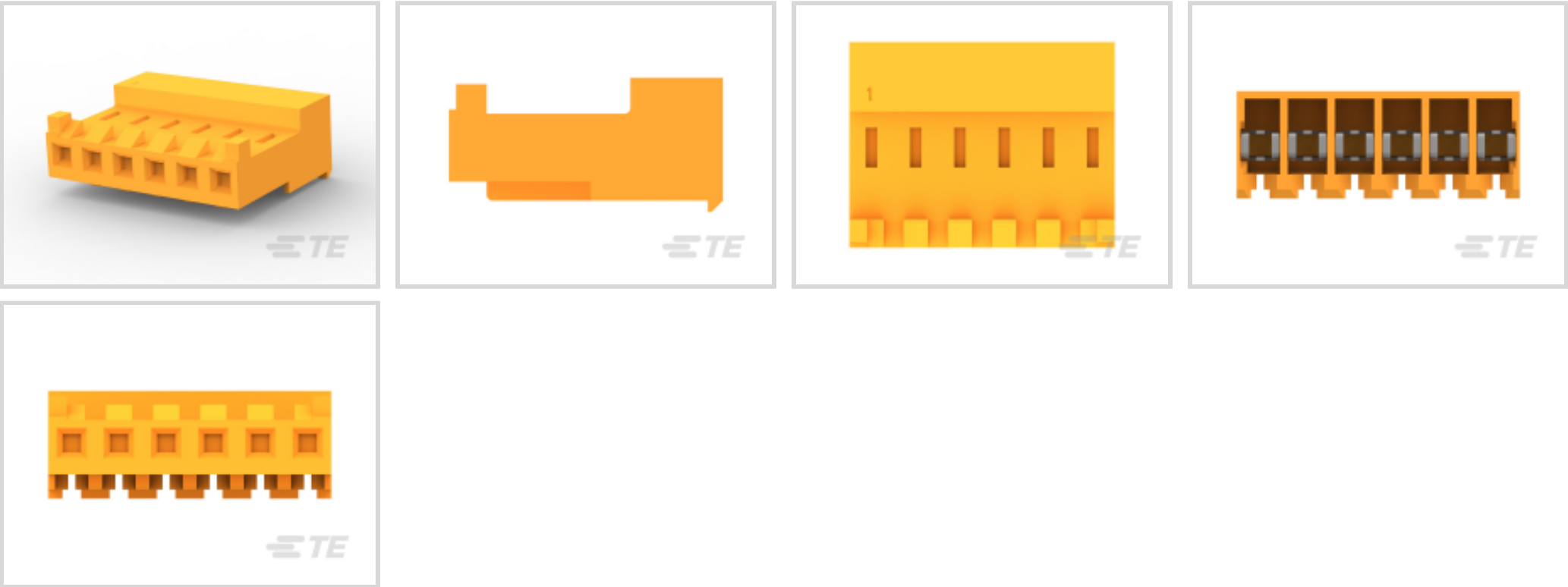


MTA 156

TE Internal #: 3-644460-6  
Connector Assembly, Receptacle, Insulation Displacement (IDC),  
Wire-to-Board, 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: **With**  
Mating Alignment Type: **Polarizing Tab**  
Mating Retention: **With**

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

Body Features

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



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

Contact Features

|                                                 |                                             |
|-------------------------------------------------|---------------------------------------------|
| Contact Underplating Material                   | Nickel                                      |
| Contact Underplating Material Thickness         | 1.27 – 1.77 µm[1.27 – 1.77 µin]             |
| Wire Contact Termination Area Plating Material  | Tin                                         |
| Contact Mating Area Plating Material Thickness  | .076 µm[3 µin]                              |
| Contact Layout                                  | Inline                                      |
| Contact Base Material                           | Copper Alloy                                |
| Wire Contact Termination Area Plating Thickness | .38 µm[15 µin]                              |
| Contact Type                                    | Receptacle                                  |
| Contact Mating Area Plating Material            | Gold (Au), Gold Flash over Palladium Nickel |
| 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                      | With                       |
| Mating Alignment Type                 | Polarizing Tab             |
| 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 | 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 Length23.77 mm[.936 in]

Usage Conditions

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

Operation/Application

Circuit ApplicationPower & Signal

Industry Standards

Compatible With Agency/Standards ProductsCSA, UL

UL RatingRecognized

Compatible With Approved Standards ProductsUL E28476

CSA RatingCertified, LR 7189

Glow Wire RatingStandard Part - Not Glow Wire

UL Flammability RatingUL 94V-2

Packaging Features

Packaging Quantity250

Packaging MethodBag

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EUCompliant

EU ELV Directive 2000/53/ECCompliant

China RoHS 2 Directive MIIT Order No 32, 2016No Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006  
Current ECHA Candidate List: JUNE 2024 (241)  
Candidate List Declared Against: JUNE 2024 (241)  
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 CapabilityNot 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



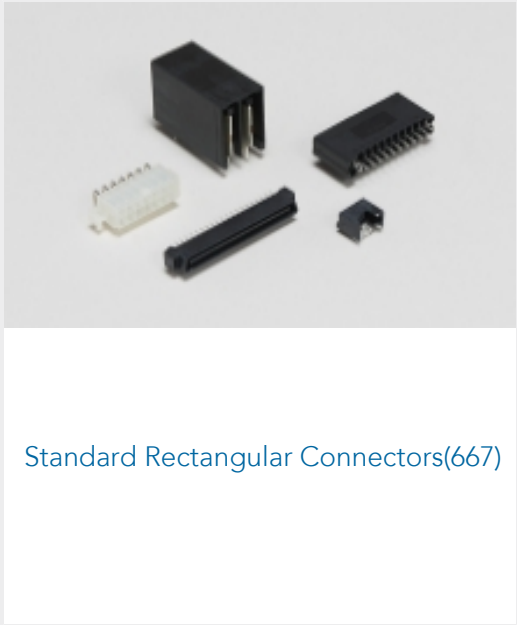
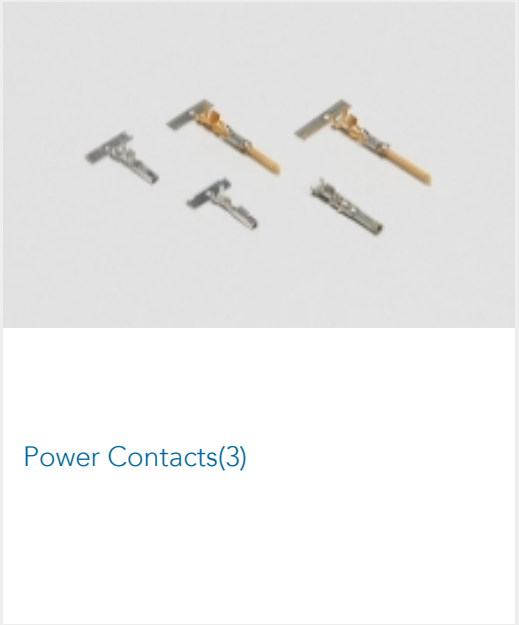
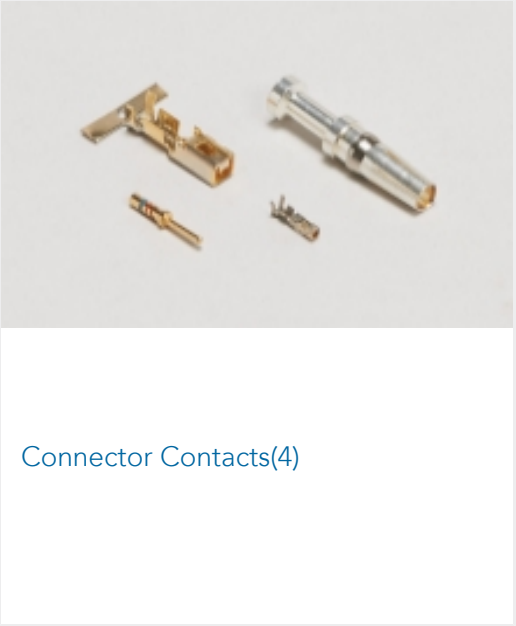
numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the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

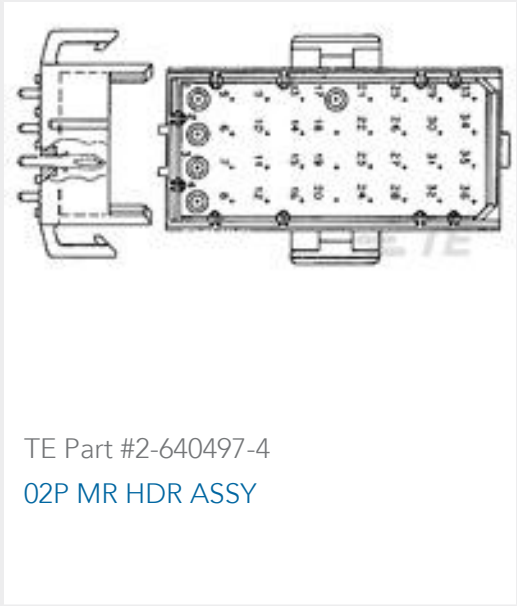
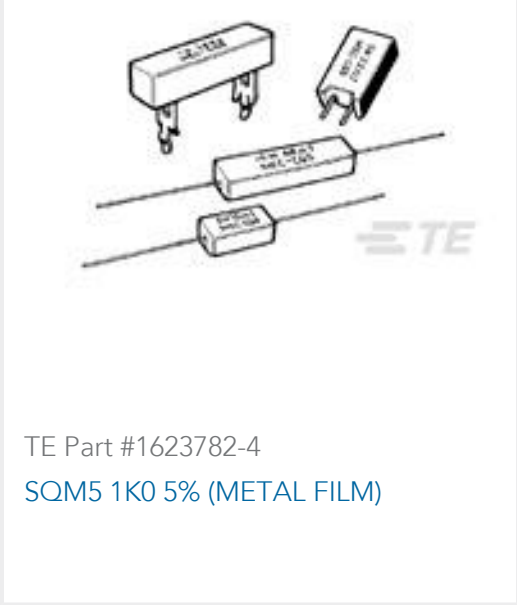
|                                                                 |                                                                   |                                                             |                                                            |
|-----------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|
| <br>TE Part # 3-641208-6<br>06P MTA156 HDR ASSY FL ST LF        | <br>TE Part # 3-644760-6<br>06P MTA156 HDR ASSY FL ST LF          | <br>TE Part # 641208-6<br>06P MTA156 HDR ASSY FL ST 30AU    | <br>TE Part # 640551-6<br>06P MTA156 COVER                 |
| <br>TE Part # 640643-6<br>06P MTA156 COVER F/T                  | <br>TE Part # 643071-6<br>06P MTA156 FD-THRU COVER                | <br>TE Part # 58247-1<br>MTA 156 CRIMP HEAD REPAIR DISCRETE | <br>TE Part # 3-644761-6<br>06P MTA156 HDR ASSY R/A F/L LF |
| <br>TE Part # 58247-2<br>MTA 156 CRIMP HEAD PRODUCTION DISCRETE | <br>TE Part # 643067-6<br>06P MTA156 MOLDED COVER                 | <br>TE Part # 3-644759-6<br>06P MTA156 HDR ASSY STR LF      | <br>TE Part # 59804-1<br>MAINTENANCE TOOL                  |
| <br>TE Part # 3-641210-6<br>06P MTA156 HRD FL RA FB 30AU        | <br>TE Part # 58247-3<br>MTA 156 CRIMP HEAD PRODUCTION RBBN CABLE | <br>TE Part # 3-641202-6<br>06P MTA156 HDR ASSY PL 30AU LF  | <br>TE Part # 641318-3<br>06CIR MTA156 R/A HDR ASY W/O#3   |



Also in the Series | MTA 156



Customers Also Bought





Documents

Product Drawings

06P MTA156 CONN ASSY 18AWG ORA

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-644460-6\_N.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-644460-6\_N.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-644460-6\_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