

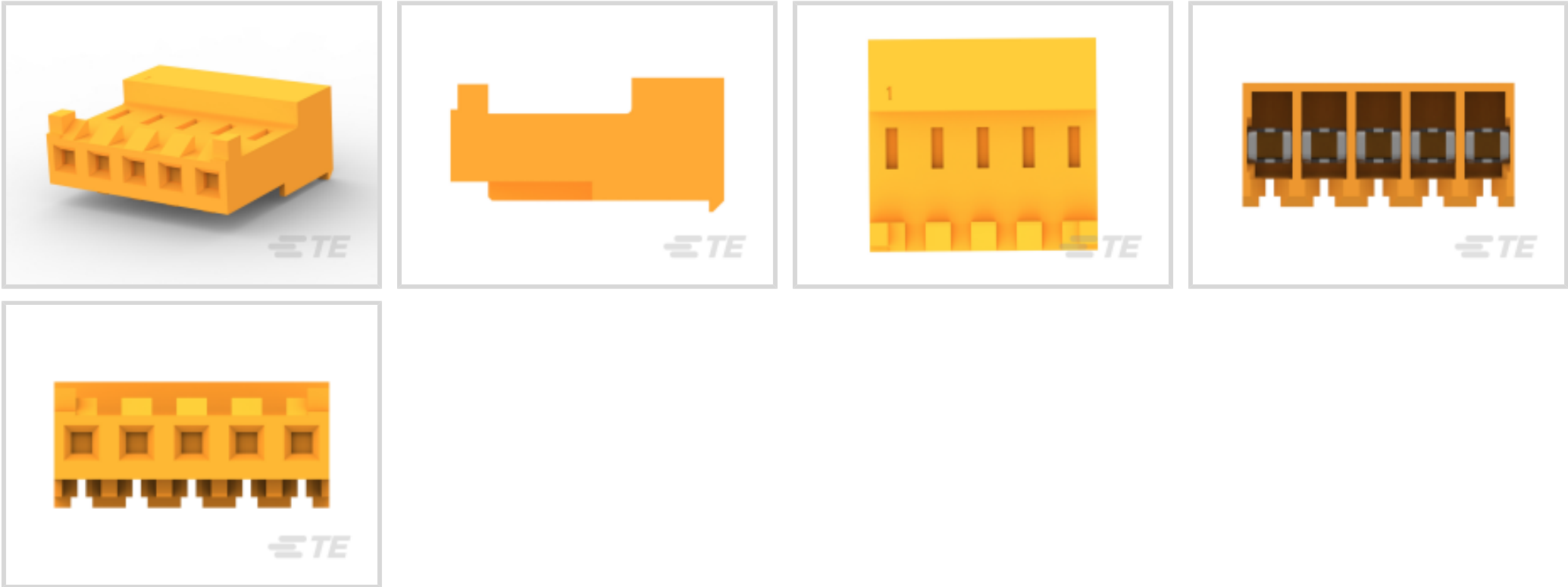


MTA 156

TE Internal #: 3-644460-5  
5 Position, Receptacle, Connector Assembly, Insulation  
Displacement (IDC), Wire-to-Board, Gold (Au) / Gold Flash over  
Palladium Nickel, MTA 156

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Connector Assembly**  
Mating Alignment: **With**  
Mating Alignment Type: **Polarizing Tab**  
Connector & Housing Type: **Receptacle**  
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 Positions       | 5 |
| Number of Rows            | 1 |
| Number of Power Positions | 5 |

Electrical Characteristics

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

Body Features

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



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

Contact Features

|                                                 |                                             |
|-------------------------------------------------|---------------------------------------------|
| Contact Underplating Material                   | Nickel                                      |
| Contact Underplating Material Thickness         | 1.27 – 1.77 µm[1.27 – 1.77 µin]             |
| Contact Layout                                  | Inline                                      |
| Contact Base Material                           | Copper Alloy                                |
| Wire Contact Termination Area Plating Thickness | .38 µm[15 µin]                              |
| Contact Mating Area Plating Material            | Gold (Au), Gold Flash over Palladium Nickel |
| Contact Retention Within Housing                | With                                        |
| Contact Current Rating (Max)                    | 7 A                                         |
| Contact Type                                    | Receptacle                                  |
| Wire Contact Termination Area Plating Material  | Tin                                         |
| Contact Mating Area Plating Material Thickness  | .076 µm[3 µin]                              |

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 Type                 | Locking Ramp               |
| Mating Retention                      | With                       |
| Connector Mounting Type               | Cable Mount (Free-Hanging) |

Housing Features

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

Dimensions

|                                      |                  |
|--------------------------------------|------------------|
| Compatible Insulation Diameter Range | 2.41 mm[.095 in] |
| Connector Height                     | 9.02 mm[.355 in] |
| Connector Length                     | 19.81 mm[.78 in] |



|           |                         |
|-----------|-------------------------|
| Wire Size | .8 – .9 mm <sup>2</sup> |
|-----------|-------------------------|

Usage Conditions

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

Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

|                                             |                               |
|---------------------------------------------|-------------------------------|
| Compatible With Agency/Standards Products   | CSA, UL                       |
| UL Rating                                   | Recognized                    |
| Compatible With Approved Standards Products | UL E28476                     |
| CSA Rating                                  | Certified, LR 7189            |
| UL Flammability Rating                      | UL 94V-2                      |
| Glow Wire Rating                            | Standard Part - Not Glow Wire |

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 250 |
| Packaging Method   | Bag |

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 | 有害物质含量符合标准要求 No Restricted Substance(s) 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

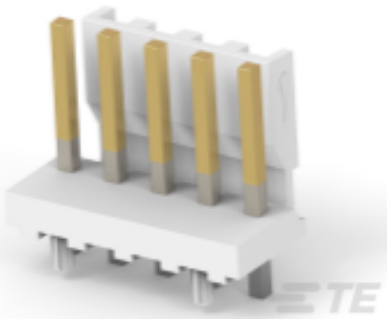
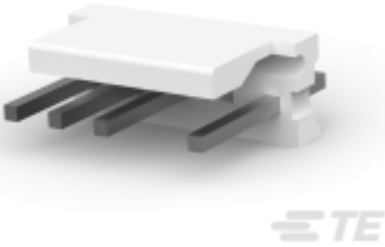
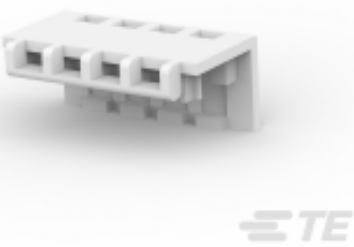
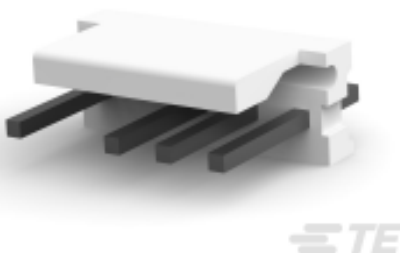
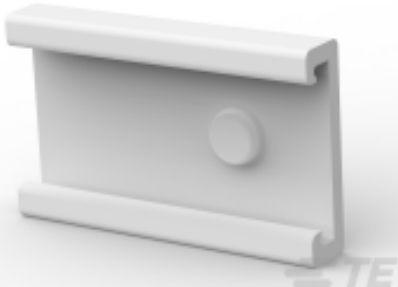
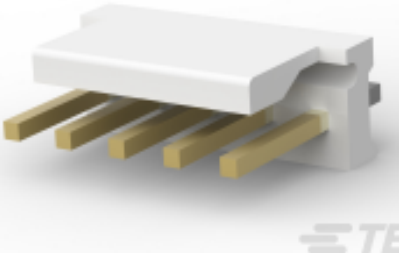
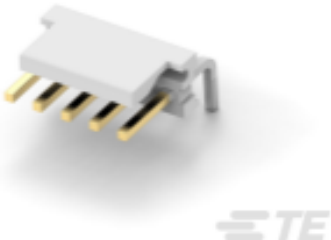
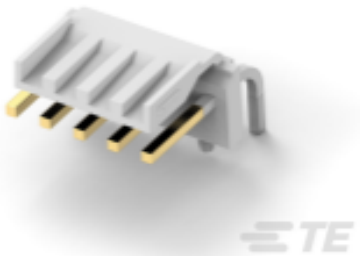
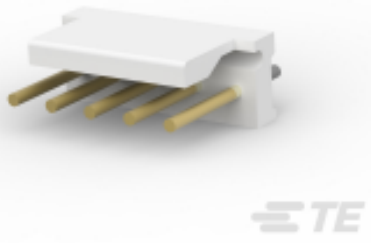
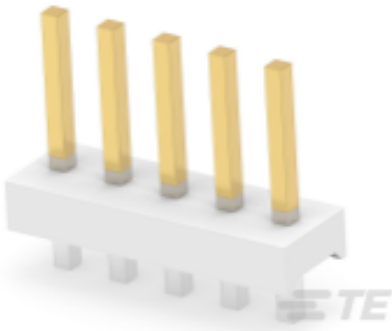
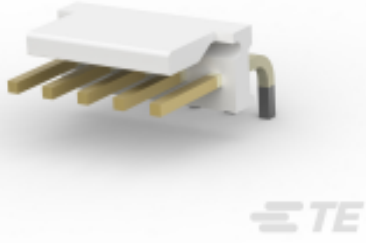
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 3-644631-5<br/>05P MTA156 HDR ASSY STR LF</p>     |  <p>TE Part # 643495-3<br/>05P MTA156 HDR ASSY W/O#2</p>          |  <p>TE Part # 58247-1<br/>MTA 156 CRIMP HEAD REPAIR DISCRETE</p>  |  <p>TE Part # 643067-5<br/>05P MTA156 MOLDED COVER</p>                   |
|  <p>TE Part # 643495-1<br/>05P MTA156 HDR ASSY W/O#4</p>      |  <p>TE Part # 640643-5<br/>05P MTA156 COVER F/T</p>             |  <p>TE Part # 3-641208-5<br/>05P MTA156 HDR ASSY FL ST LF</p>   |  <p>TE Part # 3-644761-5<br/>05P MTA156 HDR ASSY R/A F/L LF</p>        |
|  <p>TE Part # 3-644633-5<br/>05P MTA156 HDR ASSY R/A LF</p>   |  <p>TE Part # 59804-1<br/>MAINTENANCE TOOL</p>                  |  <p>TE Part # 643495-4<br/>05P MTA156 HDR ASSY W/O#3</p>        |  <p>TE Part # 58247-3<br/>MTA 156 CRIMP HEAD PRODUCTION RBBN CABLE</p> |
|  <p>TE Part # 3-641209-5<br/>05P MTA156 HDR ASSY FL ST LF</p> |  <p>TE Part # 3-641202-5<br/>05P MTA156 HDR ASSY PL 30AU LF</p> |  <p>TE Part # 3-641210-5<br/>05P MTA156 HDR FLRA FB 30AU LF</p> |  <p>TE Part # 3-644760-5<br/>05P MTA156 HDR ASSY FL ST LF</p>          |





TE Part # 643495-2  
05P MTA156 HDR ASSY W/O#2&4



TE Part # 58074-1  
MTA 50/100/156 MANUAL TOOL FRAME



TE Part # 640551-5  
05P MTA156 COVER



TE Part # 3-644759-5  
05P MTA156 HDR ASSY STR LF

Also in the Series | **MTA 156**



Connector Caps & Covers(89)



Connector Contacts(4)



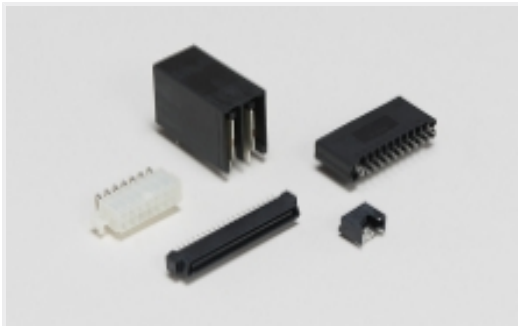
Connector Hardware(2)



Power Contacts(3)



Rectangular Power Connectors(1178)



Standard Rectangular Connectors(667)



Wire-to-Board Connector Assemblies & Housings(594)

Customers Also Bought



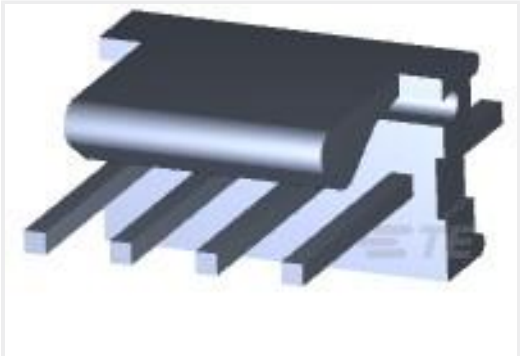
TE Part #60736-2  
FASTON 250 FLAG REC 24-20 AWG TPBR



TE Part #163303-8  
MATENLOK.PIN



TE Part #3-641119-5  
05P MTA156 HDR ASSY FL/ST LF



TE Part #3-641215-4  
04P MTA100 HDR ASSY FL/ST 30AU



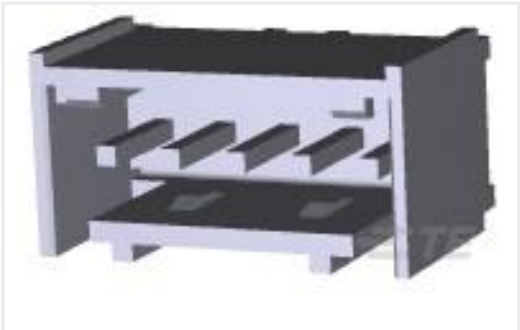
TE Part #3-641239-8  
08P MTA100 CONN ASSY BLU LF



TE Part #3-644460-6  
06P MTA156 CONN ASSY 18AWG ORA



TE Part #3-644460-7  
07P MTA156 CONN ASSY 18AWG ORA



TE Part #2-647123-5  
05P MTA156 SHRD HDR ASSY SQ SN



Documents

Product Drawings

05P MTA156 CONN ASSY 18AWG ORA

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-644460-5\_N.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-644460-5\_N.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-644460-5\_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

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

UL

English

UL

English

3-644460-5

5 Position, Receptacle, Connector Assembly, Insulation Displacement (IDC), Wire-to-Board, Gold (Au) / Gold Flash over Palladium Nickel, MTA 156

