

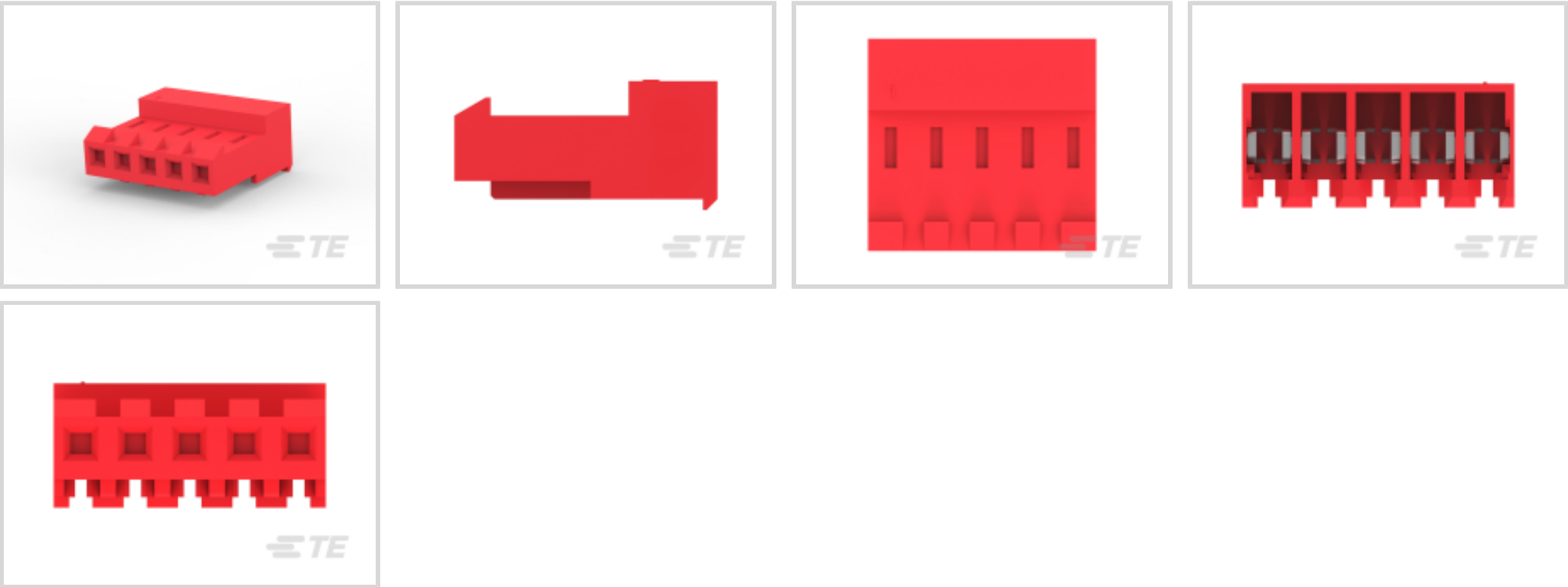


MTA 156

TE Internal #: 3-641150-5  
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: **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      |
| 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 | Red |
|-----------------------|-----|



|                  |     |
|------------------|-----|
| 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 | 2.03 – 5.08 µm[80 – 200 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                      | Without       |
| Mating Retention Type                 | Locking Ramp  |
| Mating Retention                      | With          |
| Connector Mounting Type               | Board Mount   |

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                            | .3 – .4 mm²      |



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            |
| 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 | 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                               | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.                                                                          |
| Solder Process Capability                     | Not applicable for solder process capability                                                                                    |

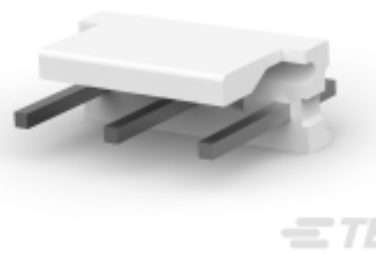
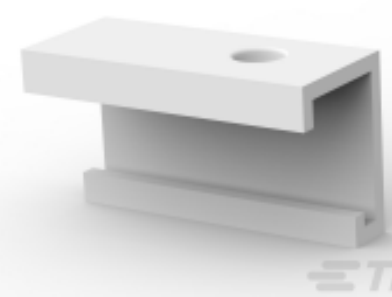
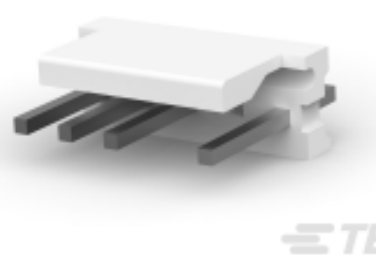
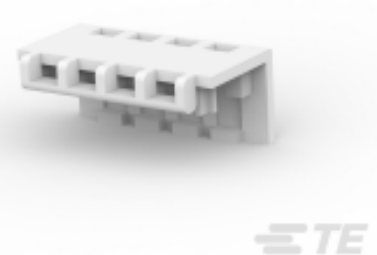
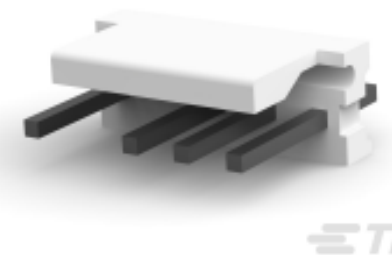
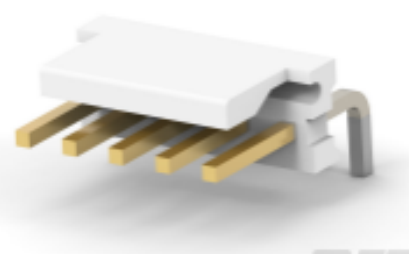
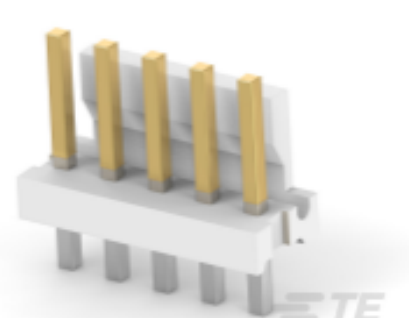
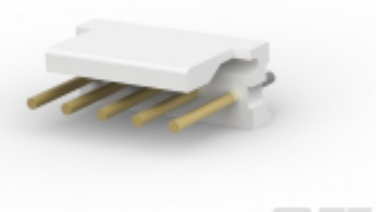
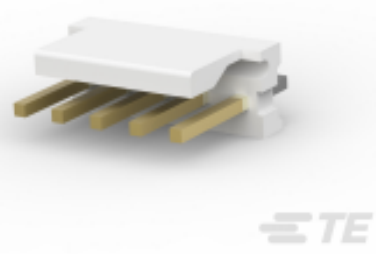
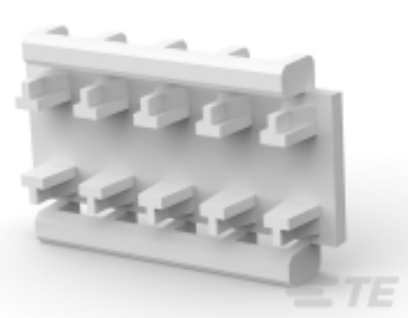
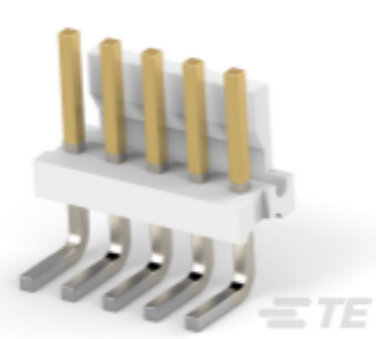
Product Compliance Disclaimer

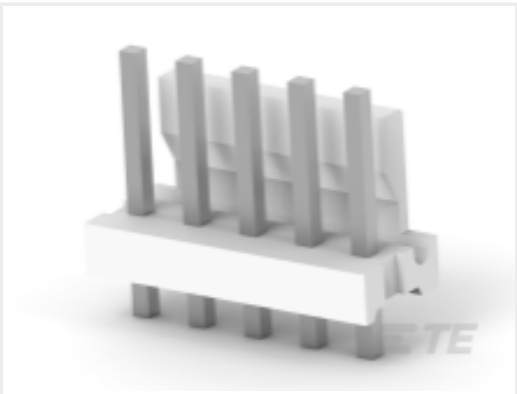
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 643495-4<br/>05P MTA156 HDR ASSY W/O#3</p>               |  <p>TE Part # 643495-2<br/>05P MTA156 HDR ASSY W/O#2&amp;4</p>             |  <p>TE Part # 58247-3<br/>MTA 156 CRIMP HEAD PRODUCTION<br/>RBBN CABLE</p> |  <p>TE Part # 640551-5<br/>05P MTA156 COVER</p>                  |
|  <p>TE Part # 58074-1<br/>MTA 50/100/156 MANUAL TOOL<br/>FRAME</p>   |  <p>TE Part # 643495-3<br/>05P MTA156 HDR ASSY W/O#2</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 # 58247-1<br/>MTA 156 CRIMP HEAD REPAIR<br/>DISCRETE</p> |  <p>TE Part # 3-641121-5<br/>05P MTA156 HDR ASSY FL/RA LF</p>            |  <p>TE Part # 3-644766-5<br/>05P MTA156 HDR ASSY STR SQ LF</p>           |  <p>TE Part # 3-641120-5<br/>05P MTA156 HDR ASSY FL/ST LF</p>  |
|  <p>TE Part # 3-641119-5<br/>05P MTA156 HDR ASSY FL/ST LF</p>        |  <p>TE Part # 58247-2<br/>MTA 156 CRIMP HEAD PRODUCTION<br/>DISCRETE</p> |  <p>TE Part # 643071-5<br/>05P MTA156 FD-THRU COVER</p>                  |  <p>TE Part # 3-644768-5<br/>05P MTA156 HDR ASSY F/L SQ LF</p> |



TE Part # 641119-5  
05P MTA156 HDR ASSY FL/ST 15AU



TE Part # 59804-1  
MAINTENANCE TOOL



TE Part # 640643-5  
05P MTA156 COVER F/T

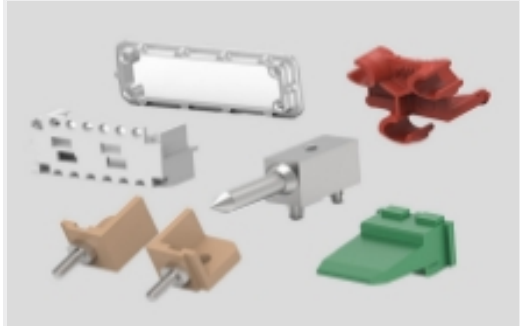
Also in the Series | MTA 156



Connector Caps & Covers(89)



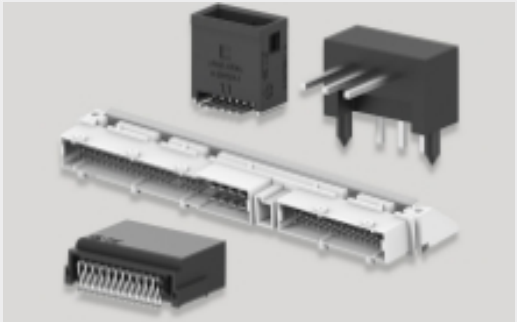
Connector Contacts(4)



Connector Hardware(2)



Insertion & Extraction Tools(1)



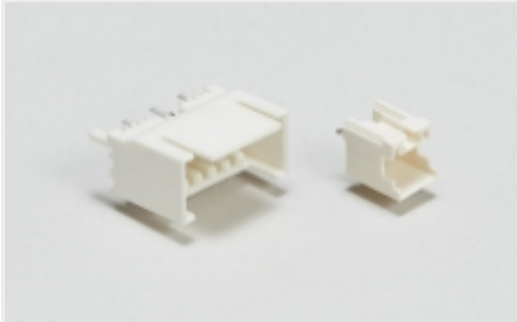
PCB Headers & Receptacles(677)



Power Contacts(3)



Rectangular Power Connectors(1178)



Wire-to-Board Headers & Receptacles (677)

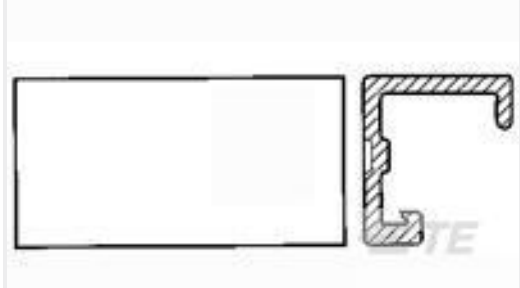
Customers Also Bought



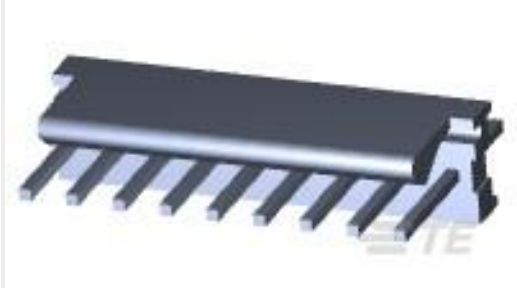
TE Part #58246-1  
MTA 100 CRIMP HEAD REPAIR DISCRETE



TE Part #58247-1  
MTA 156 CRIMP HEAD REPAIR DISCRETE



TE Part #1-640550-0  
10P MTA100 COVER



TE Part #3-641215-9  
09P MTA100 HDR ASSY FL/ST 30AU



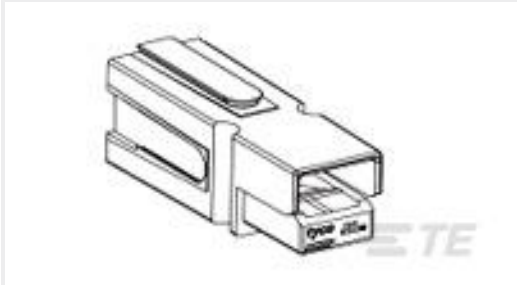
TE Part #3-641217-2  
02P MTA156 CONN ASSY 18AWG ORA



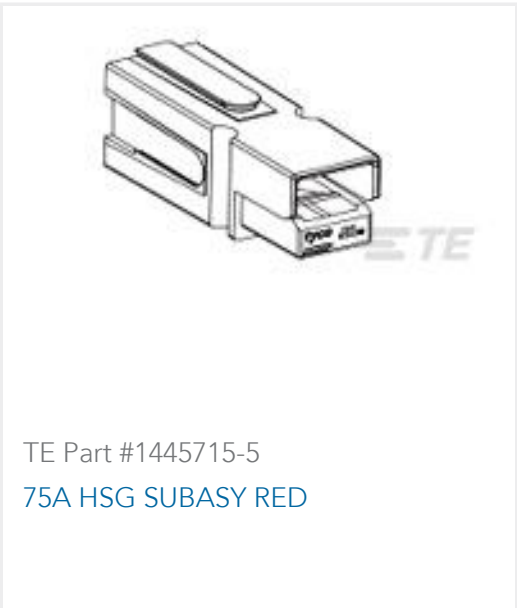
TE Part #647879-1  
SERIES 50&75 CONTACT,10-12 AWG



TE Part #4-1419108-0  
RTE24005F



TE Part #1445715-2  
75A HSG SUBASY BLACK



Documents

Product Drawings

05P MTA156 ASSY 22AWG RED LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-641150-5\_T.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-641150-5\_T.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-641150-5\_T.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