

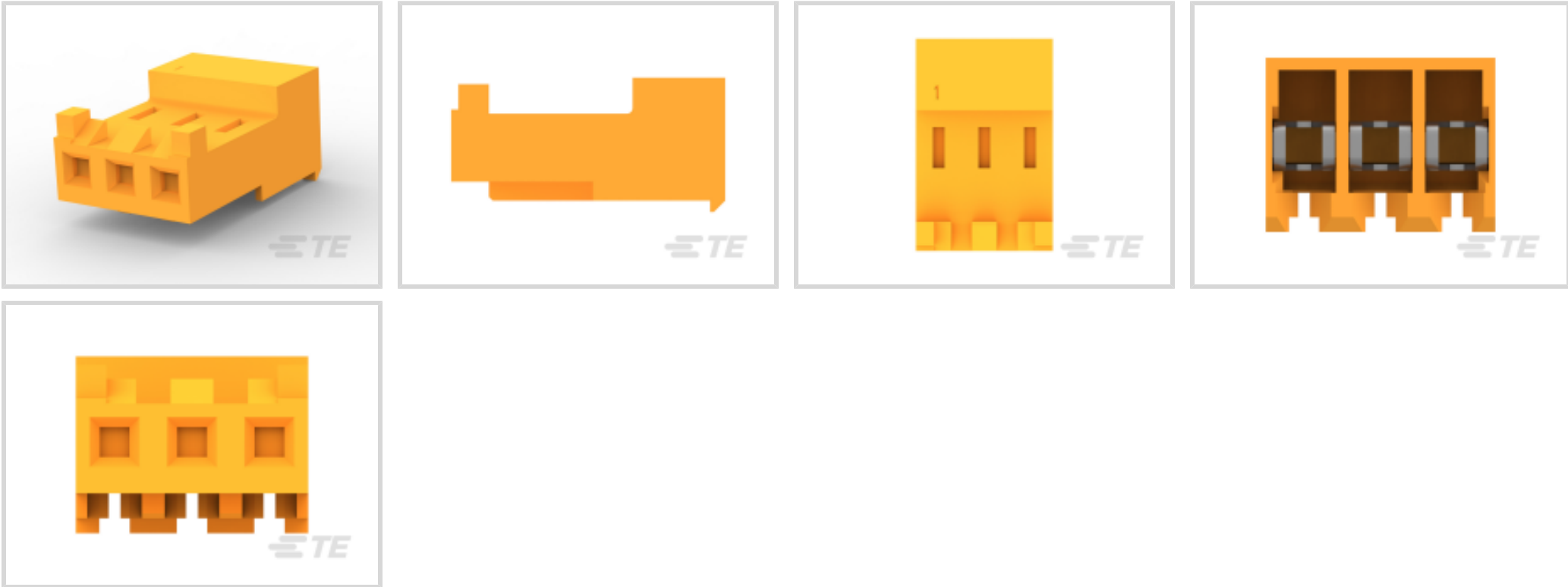


MTA 156

TE Internal #: 3-644460-3  
Connector Assembly, Receptacle, Wire-to-Board, 3 Position, 3.96 mm [.156 in] Centerline, Wire & Cable, UL 94V-2, MTA 156, Rectangular Power Connectors

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



EU RoHS Compliance: **Compliant**  
EU ELV Compliance: **Compliant**  
Rectangular Power Connector Type: **Connector Assembly**  
Connector & Housing Type: **Receptacle**  
Connector System: **Wire-to-Board**

Features

Other

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance  | Compliant |

Product Type Features

|                                    |                    |
|------------------------------------|--------------------|
| Compatible With Discrete Wire Type | Stranded           |
| Rectangular Power Connector 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       | 3 |
| Number of Power Positions | 3 |
| Number of Rows            | 1 |

Electrical Characteristics



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

Body Features

|                   |          |
|-------------------|----------|
| Cable Exit Angle  | 90°      |
| Connector Profile | Standard |

Contact Features

|                                                 |                                        |
|-------------------------------------------------|----------------------------------------|
| Contact Underplating Material                   | Nickel                                 |
| Contact Underplating Material Thickness         | 1.27 – 1.77 µm[1.27 – 1.77 µin]        |
| Contact Layout                                  | Inline                                 |
| Contact Mating Area Plating Material            | Gold Flash over Palladium Nickel, Gold |
| Contact Base Material                           | Copper Alloy                           |
| Wire Contact Termination Area Plating Thickness | .38 µm[15 µin]                         |
| Contact Current Rating (Max)                    | 7 A                                    |
| Contact Retention Within Housing                | With                                   |
| 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                    |
| Mating Retention Type                 | Locking Ramp               |
| PCB Mount Retention                   | Without                    |
| Contact Retention Type Within Housing | Locking Lance              |
| Mating Retention                      | With                       |
| Mating Alignment Type                 | Polarizing Tab             |
| Mating Alignment                      | With                       |
| PCB Mount Alignment                   | Without                    |
| Connector Mounting Type               | Cable Mount (Free-Hanging) |

Housing Features

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



|                  |        |
|------------------|--------|
| Housing Color    | Orange |
| Housing Material | Nylon  |

Dimensions

|                                      |                   |
|--------------------------------------|-------------------|
| Compatible Insulation Diameter Range | 2.41 mm[.095 in]  |
| Product Length                       | 11.89 mm[.468 in] |
| Connector Height                     | 9.02 mm[.355 in]  |
| Wire Size                            | .8 – .9 mm²       |

Usage Conditions

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

Operation/Application

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

Industry Standards

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

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 500 |
| 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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<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

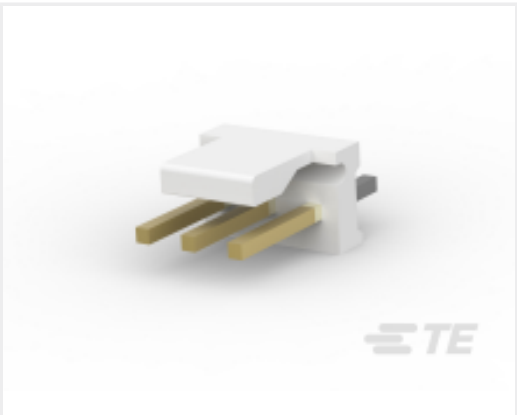
Product Compliance Disclaimer

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

|                                                            |                                                          |                                                        |                                                      |
|------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------|
|                                                            |                                                          |                                                        |                                                      |
| TE Part # 58247-1<br>MTA 156 CRIMP HEAD REPAIR<br>DISCRETE | TE Part # 58074-1<br>MTA 50/100/156 MANUAL TOOL<br>FRAME | TE Part # 59804-1<br>MAINTENANCE TOOL                  | TE Part # 3-641208-3<br>03P MTA156 HDR ASSY FL ST LF |
|                                                            |                                                          |                                                        |                                                      |
| TE Part # 3-641209-3<br>03P MTA156 HDR ASSY FL ST LF       | TE Part # 643071-3<br>03P MTA156 FD-THRU COVER           | TE Part # 640551-3<br>03P MTA156 COVER                 | TE Part # 641937-2<br>03P MTA156 HDR ASSY SQ W/O#3   |
|                                                            |                                                          |                                                        |                                                      |
| TE Part # 641937-1<br>03P MTA156 HDR ASSY STR W/O#2        | TE Part # 643067-3<br>03P MTA156 MOLDED COVER            | TE Part # 3-641210-3<br>03P MTA156 HDR FLRA FB 30AU LF | TE Part # 640643-3<br>03P MTA156 COVER F/T           |





TE Part # 3-644759-3  
03P MTA156 HDR ASSY STR LF



TE Part # 58247-3  
MTA 156 CRIMP HEAD PRODUCTION  
RBBN CABLE



TE Part # 2472633-1  
03P MTA156 HDR ASSY W/O#2 LF W/  
CHMFR



TE Part # 3-641202-3  
03P MTA156 HDR ASSY PL 30AU LF



TE Part # 3-644631-3  
03P MTA156 HDR ASSY STR LF



TE Part # 3-644633-3  
03P MTA156 HDR ASSY R/A LF



TE Part # 3-644760-3  
03P MTA156 HDR ASSY FL ST LF



TE Part # 3-644761-3  
03P MTA156 HDR ASSY R/A F/L LF

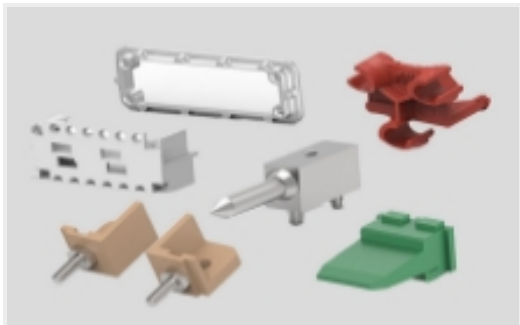
Also in the Series | MTA 156



Connector Caps & Covers(89)



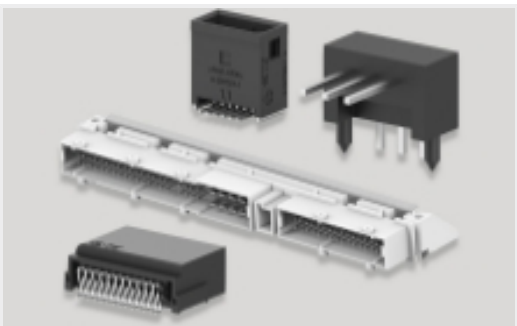
Connector Contacts(4)



Connector Hardware(2)



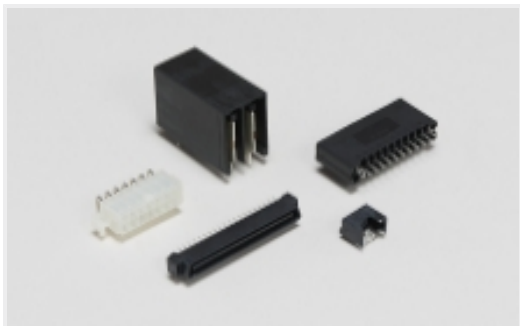
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(677)

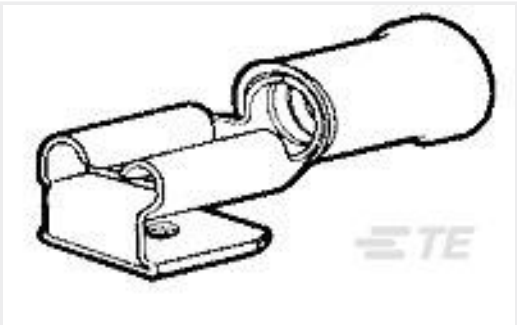


Rectangular Power Connectors(331)



Standard Rectangular Connectors(336)

Customers Also Bought



TE Part #9-160463-2  
FASTON, PGYBCK, PIDG, BRASS, .  
250, 16-14



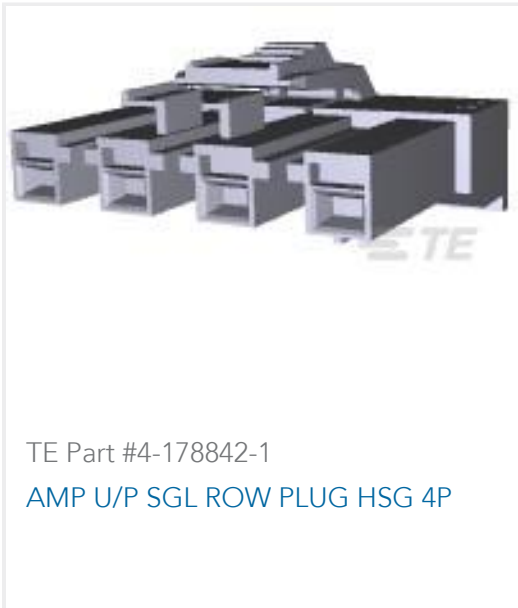
TE Part #1-1971773-4  
PTL 1X4 PLUG HSG STD TEMP KEY A  
NAT



TE Part #5747099-3  
CABLE CLAMP KIT,SZ 2



TE Part #4-644460-2  
12P MTA156 CONN ASSY 18AWG  
ORA



Documents

Product Drawings

03P MTA156 CONN ASSY 18AWG ORA

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-644460-3\_N.2d\_dxf.zip

English

Customer View Model

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

English

Customer View Model

ENG\_CVM\_CVM\_3-644460-3\_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

UL

English