



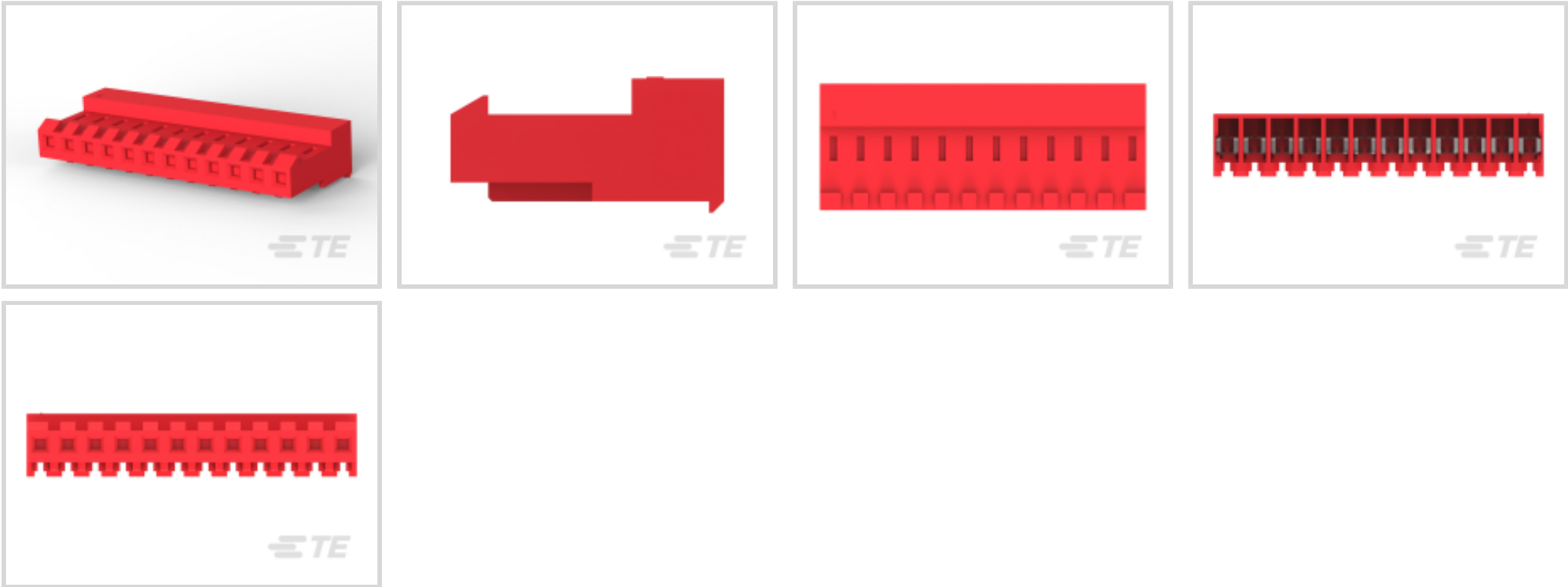
MTA 156

TE Internal #: 4-640428-2

Connector Assembly, Receptacle, Insulation Displacement (IDC),  
Wire-to-Board, Tin (Sn), 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: **Without**  
Mating Retention: **With**  
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 Power Positions | 12 |
| Number of Positions       | 12 |
| Number of Rows            | 1  |

Electrical Characteristics

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

Body Features

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



|                       |     |
|-----------------------|-----|
| Primary Product Color | Red |
|-----------------------|-----|

Contact Features

|                                                 |                              |
|-------------------------------------------------|------------------------------|
| Contact Underplating Material                   | Nickel                       |
| Contact Underplating Material Thickness         | 30 µm[.762 µin]              |
| Wire Contact Termination Area Plating Material  | Tin                          |
| Contact Mating Area Plating Material Thickness  | 2.03 – 5.08 µm[80 – 200 µin] |
| Contact Layout                                  | Inline                       |
| Contact Base Material                           | Copper Alloy                 |
| Wire Contact Termination Area Plating Thickness | 2.03 – 5.08 µm[80 – 200 µin] |
| Contact Type                                    | Receptacle                   |
| Contact Mating Area Plating Material Finish     | Matte                        |
| 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

|                                       |                            |
|---------------------------------------|----------------------------|
| Strain Relief                         | With                       |
| Panel Mount Feature                   | Without                    |
| Contact Retention Type Within Housing | Locking Lance              |
| Mating Alignment                      | Without                    |
| 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                            | 22 AWG           |



|                  |                    |
|------------------|--------------------|
| Connector Length | 47.55 mm[1.872 in] |
|------------------|--------------------|

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            |
| Glow Wire Rating                            | Standard Part - Not Glow Wire |
| 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: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<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>

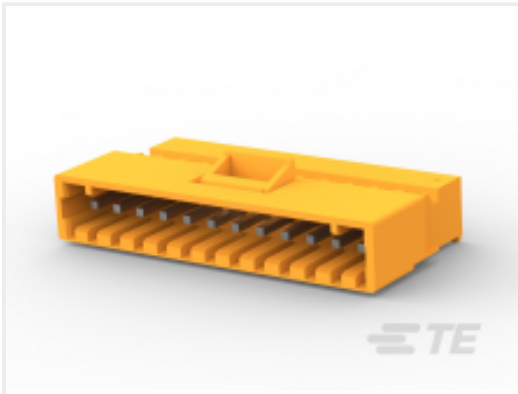
Compatible Parts

|                                                                                                                                                    |                                                                                                                                                            |                                                                                                                                                      |                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 4-644617-2<br/>12P MTA156 HDR ASSY PO RA FB LF</p>  |  <p>TE Part # 3-647125-2<br/>12P MTA156 SHRD HDR ASSY LF</p>             |  <p>TE Part # 4-647615-2<br/>12P MTA156 POL LOCK HDR ASSY LF</p>  |  <p>TE Part # 4-641437-2<br/>12P MTA156 PSTD CONN ASSY RED</p>   |
|  <p>TE Part # 1-644752-2<br/>12P MTA156 HDR ASSY SQ STR F/L</p> |  <p>TE Part # 1-643067-2<br/>12P MTA156 MOLDED COVER</p>               |  <p>TE Part # 1-640388-2<br/>12P MTA156 HDR ASSY RN STR F/L</p> |  <p>TE Part # 1-640551-2<br/>12P MTA156 COVER</p>              |
|  <p>TE Part # 3-647123-2<br/>12P MTA156 SHRD HDR ASSY SQ SN</p> |  <p>TE Part # 58247-3<br/>MTA 156 CRIMP HEAD PRODUCTION RBBN CABLE</p> |  <p>TE Part # 58074-1<br/>MTA 50/100/156 MANUAL TOOL FRAME</p>  |  <p>TE Part # 1-640643-2<br/>12P MTA156 COVER F/T</p>          |
|  <p>TE Part # 1-644753-2<br/>12P MTA156 HDR ASSY RN STR F/L</p> |  <p>TE Part # 1-644751-2<br/>12P MTA156 HDR ASSY R/A</p>               |  <p>TE Part # 4-641436-2<br/>12P MTA156 PST CONN ASSY LF</p>    |  <p>TE Part # 4-641438-2<br/>12P MTA156 PSTD CONN ASSY WHT</p> |





TE Part # 58247-2  
MTA 156 CRIMP HEAD PRODUCTION DISCRETE



TE Part # 4-641435-2  
12P MTA156 CONN ASSY ORNG



TE Part # 4-641524-2  
12P MTA156 POST CON ASSY LF



TE Part # 4-641439-2  
12P MTA156 PST CON ASSY LF

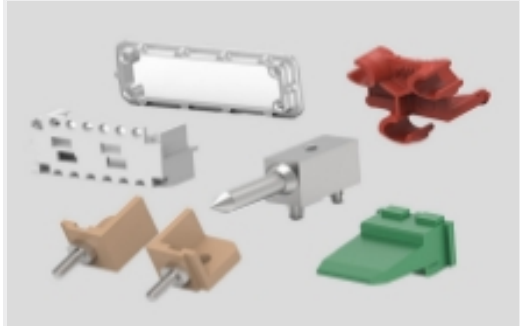
Also in the Series | MTA 156



Connector Caps & Covers(89)



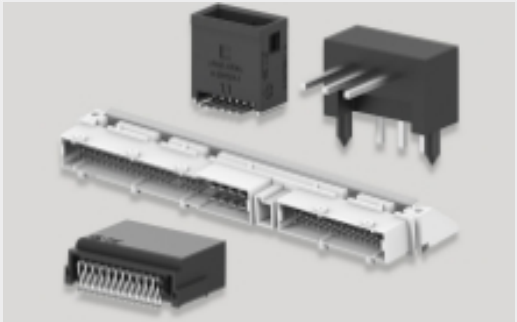
Connector Contacts(4)



Connector Hardware(2)



Insertion & Extraction Tools(1)



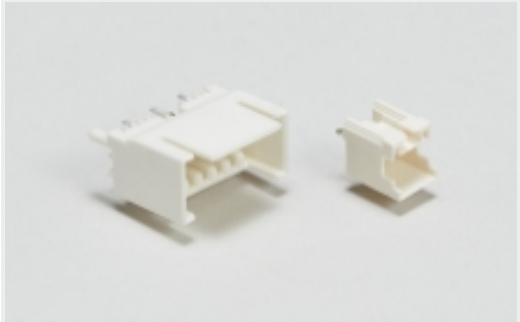
PCB Headers & Receptacles(677)



Power Contacts(3)



Rectangular Power Connectors(1178)



Wire-to-Board Headers & Receptacles (677)

Customers Also Bought



TE Part #4-640427-2  
12P MTA156 CONN ASSY 20AWG YEL



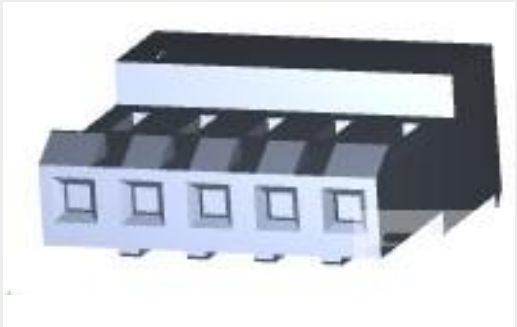
TE Part #2-1393254-9  
W91-X112-40=M6/M7/M9/W6/W7



TE Part #3-640428-9  
09P MTA156 CONN ASSY 22AWG RED



TE Part #4-640428-5  
15P MTA156 CONN ASSY 22AWG RED



TE Part #3-640426-5  
05P MTA156 CONN ASSY 18AWG ORA



TE Part #3-640428-6  
06P MTA156 CONN ASSY 22AWG RED



TE Part #1-2000713-4  
RA Keyed Guide Mod. Vita 46, Machined



TE Part #3-640428-5  
05P MTA156 CONN ASSY 22AWG RED



Documents

Product Drawings

12P MTA156 CONN ASSY 22AWG RED

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_4-640428-2\_N.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_4-640428-2\_N.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_4-640428-2\_N.3d\_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL

English