



MTA 156

TE Internal #: 3-640427-3  
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



Rectangular Power Connector Type: **Connector Assembly**  
Connector & Housing Type: **Receptacle**  
Connector System: **Wire-to-Board**  
Number of Positions: **3**  
Centerline (Pitch): **3.96 mm [.156 in]**

Features

Body Features

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

Packaging Features

|                    |           |
|--------------------|-----------|
| Packaging Quantity | 500       |
| Packaging Method   | Bag & Box |

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                            | .517 mm²          |

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                      | Without                    |
| PCB Mount Alignment                   | Without                    |
| Connector Mounting Type               | Cable Mount (Free-Hanging) |

Contact Features

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

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 |

Housing Features

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

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

Termination Features

|                                    |                               |
|------------------------------------|-------------------------------|
| Termination Method to Wire & Cable | Insulation Displacement (IDC) |
|------------------------------------|-------------------------------|

Usage Conditions

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

Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Other

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

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

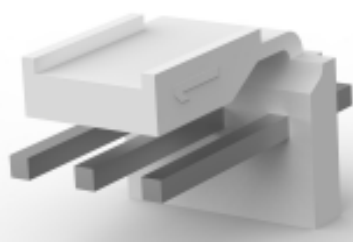
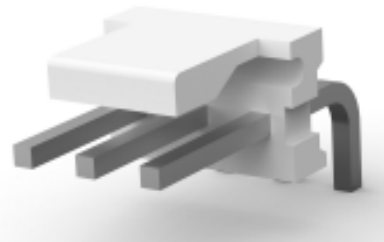
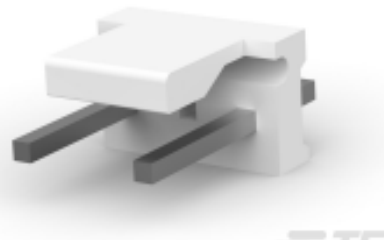
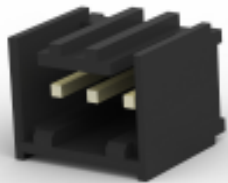
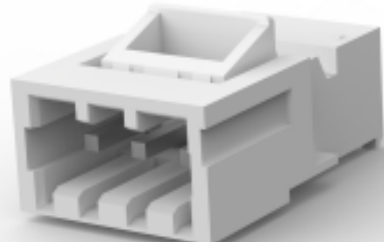
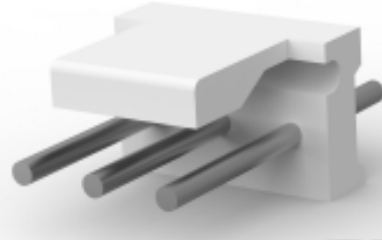
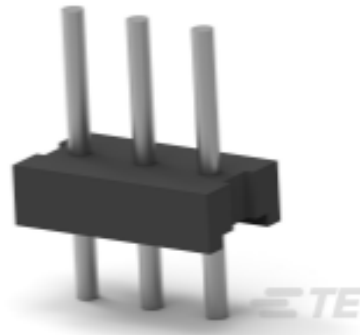
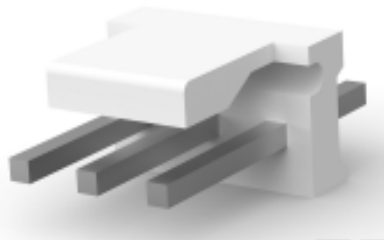
Solder Process Capability

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

|                                                                                                                                                          |                                                                                                                                                  |                                                                                                                                                    |                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 2472633-1<br/>03P MTA156 HDR ASSY W/O#2 LF W/ CHMFR</p> |  <p>TE Part # 3-644615-3<br/>03P MTA156 POL HDR ASSY LF</p>   |  <p>TE Part # 644749-3<br/>03P MTA156 HDR ASSY STR SQ SN</p>  |  <p>TE Part # 640389-3<br/>03P MTA156 HDR ASSY SQ R/A F/L</p> |
|  <p>TE Part # 641937-1<br/>03P MTA156 HDR ASSY STR W/O#2</p>          |  <p>TE Part # 2-647127-3<br/>03P MTA156 SHRD HDR ASSY LF</p>  |  <p>TE Part # 640385-3<br/>03P MTA156 HDR ASSY SQ R/A</p>     |  <p>TE Part # 59804-1<br/>MAINTENANCE TOOL</p>                |
|  <p>TE Part # 3-641438-3<br/>03P MTA156 PSTD CONN ASSY WHT</p>        |  <p>TE Part # 644753-3<br/>03P MTA156 HDR ASSY RN STR F/L</p> |  <p>TE Part # 644750-3<br/>03P MTA156 HDR ASSY STR RND SN</p> |  <p>TE Part # 644752-3<br/>03P MTA156 HDR ASSY SQ STR F/L</p> |



TE Part # 640388-3  
03P MTA156 HDR ASSY RN STR F/L



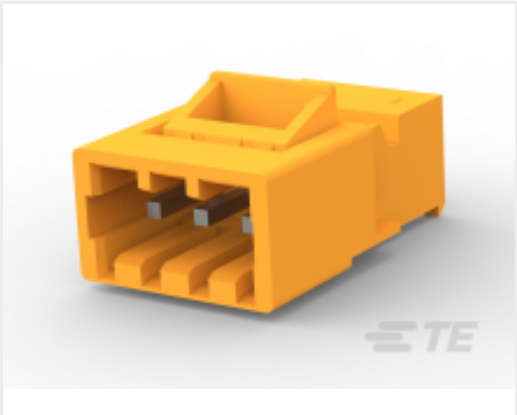
TE Part # 641937-2  
03P MTA156 HDR ASSY SQ W/O#3



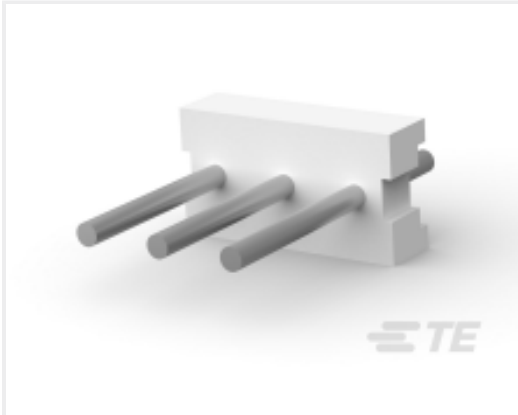
TE Part # 58247-1  
MTA 156 CRIMP HEAD REPAIR  
DISCRETE



TE Part # 2-647123-3  
03P MTA156 SHRD HDR ASSY SQ SN



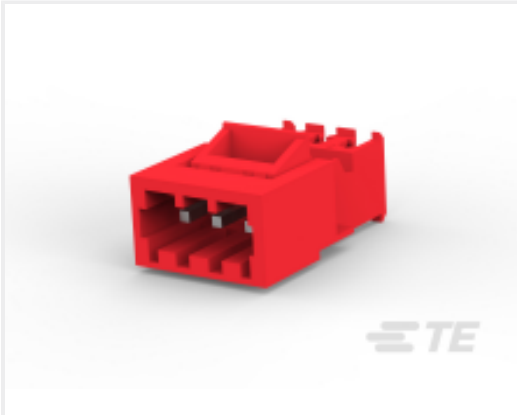
TE Part # 3-641435-3  
03P MTA156 CONN ASSY ORNG



TE Part # 640384-3  
03P MTA156 HDR ASSY STR RND SN



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



TE Part # 3-641524-3  
03P MTA156 PSTD CONN ASSY LF

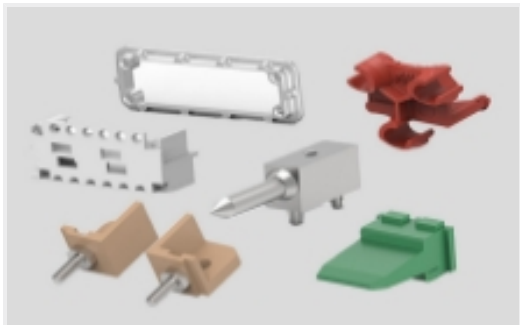
Also in the Series | **MTA 156**



Connector Caps & Covers(89)



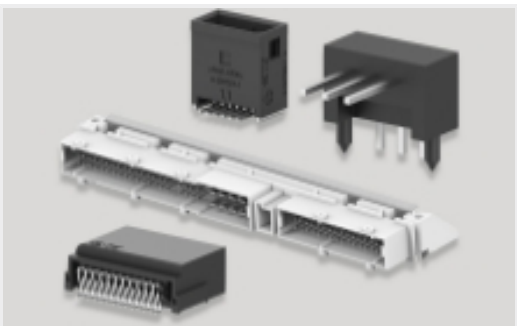
Connector Contacts(4)



Connector Hardware(2)



Insertion & Extraction Tools(1)



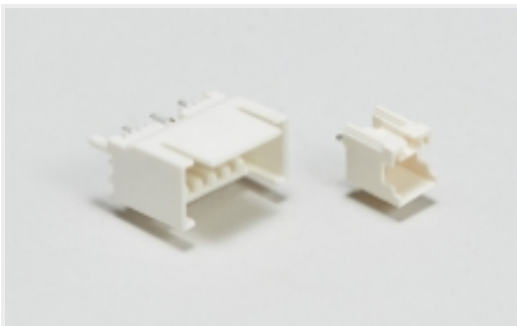
PCB Headers & Receptacles(677)



Power Contacts(3)



Rectangular Power Connectors(331)



Wire-to-Board Headers & Receptacles  
(677)

Customers Also Bought



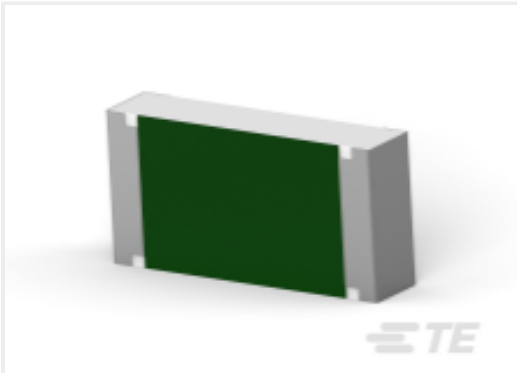
TE Part #3-640441-4  
04P MTA100 CONN ASSY WHT



TE Part #3-640429-3  
03P MTA156 CONN ASSY 24AWG  
WHT



TE Part #3-640427-9  
09P MTA156 CONN ASSY 20AWG YEL



TE Part #7-2176397-4  
3502 1K1 1%



TE Part #8-1614354-7  
RN 0603 9K09 0.1% 10PPM CUT  
LENGTH

TE Part #8-1879499-9  
CRGH2010 5% 4K7 1W

TE Part #DT13-4P  
HDR, 4P, GRY, RA, NI/CU

TE Part #1SNG601190R0000  
EP-SG-PG9-LGR-B

TE Part #225550-6  
TNC PLUG DUAL W/P

TE Part #5-1856390-6  
PGU 2.5-4/6

Documents

Product Drawings

03P MTA156 CONN ASSY 20AWG YEL

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-640427-3\_T.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-640427-3\_T.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-640427-3\_T.3d\_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL

English