



MTA 156

TE Internal #: 3-644611-5  
PCB Mount Header, Vertical, Wire-to-Board, 5 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin (Sn), Through Hole - Solder, MTA 156

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**  
PCB Mount Orientation: **Vertical**  
Connector System: **Wire-to-Board**  
Number of Positions: **5**  
Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Mixed & Hybrid Header             | No                    |
| Connector Shape                   | Rectangular           |
| PCB Connector Type                | PCB Mount Header      |
| Connector System                  | Wire-to-Board         |
| Header Type                       | Partially Shrouded    |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector Product Type            | Connector Assembly    |

Configuration Features

|                                       |              |
|---------------------------------------|--------------|
| Connector Contact Load Condition      | Fully Loaded |
| Number of Columns                     | 5            |
| Number of Loaded Positions            | 5            |
| Keying & Polarized Position Locations | None         |
| PCB Mount Orientation                 | Vertical     |



|                           |   |
|---------------------------|---|
| Number of Positions       | 5 |
| Number of Rows            | 1 |
| Number of Power Positions | 5 |

Electrical Characteristics

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

Body Features

|                       |         |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|

Contact Features

|                                                         |                               |
|---------------------------------------------------------|-------------------------------|
| Contact Underplating Material                           | Nickel                        |
| Contact Underplating Material Thickness                 | 1.27 µm[50 µin]               |
| Contact Size                                            | 1.14mm                        |
| Mating Square Post Dimension                            | 1.14 mm[.045 in]              |
| Contact Base Material                                   | Copper Alloy                  |
| PCB Contact Termination Area Plating Material Finish    | Matte                         |
| PCB Contact Termination Area Plating Material Thickness | 3.81 – 8.89 µm[150 – 350 µin] |
| Contact Shape & Form                                    | Square                        |
| Contact Layout                                          | Inline                        |
| Contact Mating Area Length                              | 11.43 mm[.45 in]              |
| Contact Mating Area Plating Material                    | Tin (Sn)                      |
| Contact Mating Area Plating Material Finish             | Matte                         |
| Contact Mating Area Plating Material Thickness          | 3.81 – 8.89 µm[150 – 350 µin] |
| Contact Type                                            | Tab                           |
| Contact Current Rating (Max)                            | 14.24 A                       |
| PCB Contact Termination Area Plating Material           | Tin                           |

Termination Features

|                                          |                       |
|------------------------------------------|-----------------------|
| Square Termination Post & Tail Dimension | 1.14 mm[.045 in]      |
| Termination Post & Tail Length           | 3.18 mm[.125 in]      |
| Termination Method to PCB                | Through Hole - Solder |

Mechanical Attachment

|                       |                |
|-----------------------|----------------|
| Panel Mount Feature   | Without        |
| Mating Retention Type | Polarized Lock |
| PCB Mount Alignment   | Without        |



|                         |             |
|-------------------------|-------------|
| Mating Retention        | With        |
| PCB Mount Retention     | Without     |
| Connector Mounting Type | Board Mount |
| Mating Alignment        | Without     |

Housing Features

|                       |                            |
|-----------------------|----------------------------|
| Mating Entry Location | Top                        |
| Centerline (Pitch)    | 3.96 mm[.156 in]           |
| Housing Material      | Thermoplastic Polyester GF |

Dimensions

|                             |                   |
|-----------------------------|-------------------|
| Connector Width             | 10.79 mm[.425 in] |
| Connector Height            | 13.84 mm[.545 in] |
| Connector Length            | 19.69 mm[.775 in] |
| PCB Thickness (Recommended) | 1.57 mm[.062 in]  |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 105 °C[221 °F]             |
| 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                     |
| Glow Wire Rating                            | Standard Part - Not Glow Wire |
| UL Flammability Rating                      | UL 94V-0                      |

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 |



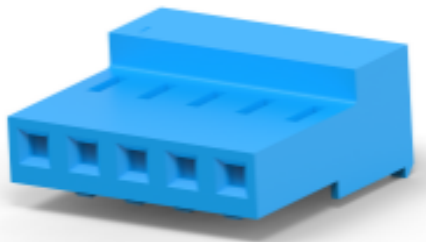
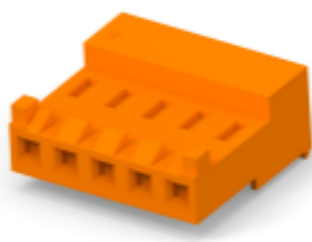
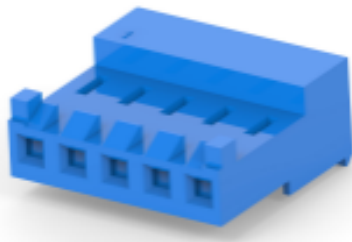
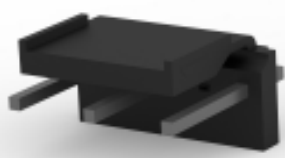


|                                               |                                                                                                                                |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 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 2025 (250)<br>Candidate List Declared Against: JAN 2025 (247)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                 |
| Solder Process Capability                     | Wave solder capable to 265°C                                                                                                   |

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

|                                                                                                                                              |                                                                                                                                           |                                                                                                                                                 |                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>TE Part # 3-640435-5<br>05P MTA156 CONN ASSY 26AWG LF | <br>TE Part # 3-644878-5<br>05P MTA156 ASSY ON TAPE LF | <br>TE Part # 3-643821-5<br>05P MTA156 CONN ASSY 26AWG LF  | <br>TE Part # 3-647182-5<br>05P MTA156 HDR ASSY W/O2&4 LF |
| <br>TE Part # 3-644464-5<br>05P MTA156 CONN ASSY 24AWG LF | <br>TE Part # 3-640477-5<br>05P MTA156 ASSY ON TAPE LF | <br>TE Part # 3-644463-5<br>05P MTA156 CONN ASSY 22AWG RED | <br>TE Part # 3-644461-5<br>05P MTA156 CONN ASSY 18AWG LF |





TE Part # 647344-5  
05P SL156 HSG W/RP TB BLK #3



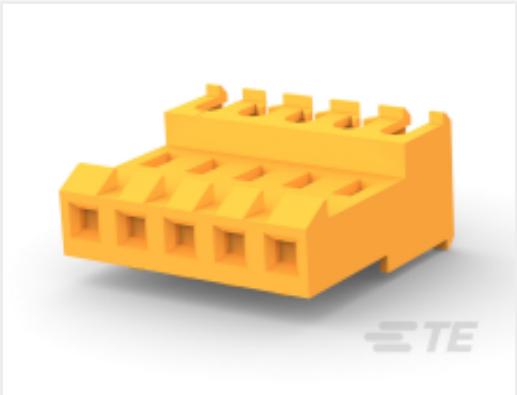
TE Part # 640251-5  
05P SL156 HSG W/O LCK RAMP



TE Part # 3-640432-5  
05P MTA156 CONN ASSY 20AWG YEL



TE Part # 640551-5  
05P MTA156 COVER



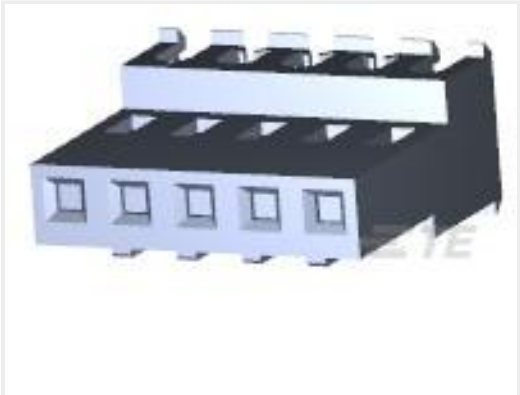
TE Part # 3-640599-5  
05P MTA156 CONN ASSY 18AWG ORA



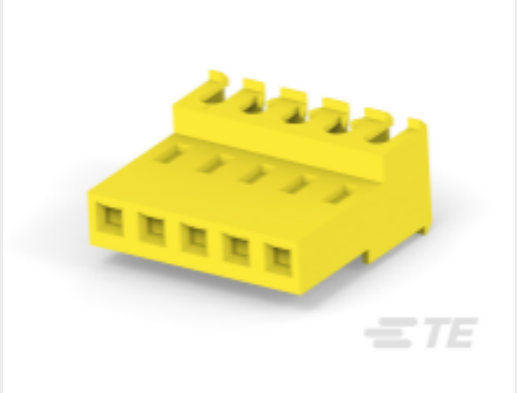
TE Part # 3-644860-5  
05P MTA156 CONN ASSY 18AWG LF



TE Part # 3-640606-5  
05P MTA156 CONN ASSY 22AWG LF



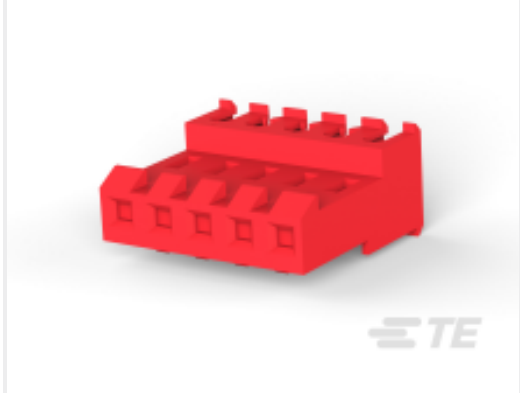
TE Part # 3-647174-5  
05P MTA156 CONN ASSY W/O#4



TE Part # 3-640605-5  
05P MTA156 CONN ASSY 20AWG LF



TE Part # 3-644462-5  
05P MTA156 CONN ASSY 20AWG LF



TE Part # 3-640601-5  
05P MTA156 CONN ASSY 22AWG LF



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

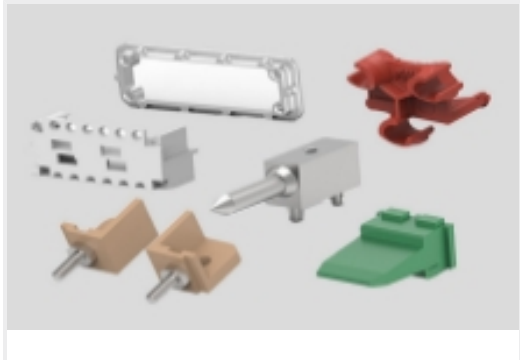
Also in the Series | MTA 156



Connector Caps & Covers(89)



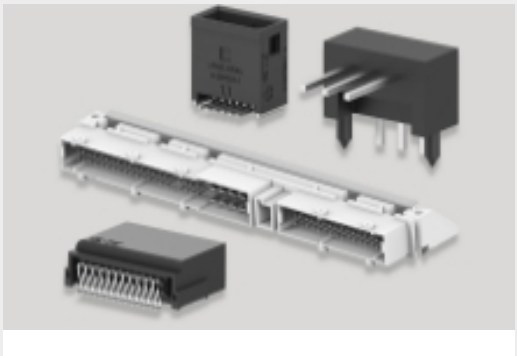
Connector Contacts(4)



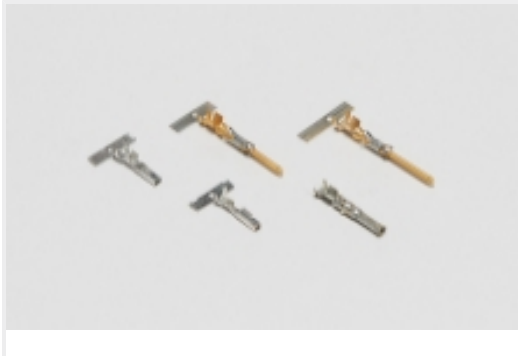
Connector Hardware(2)



Insertion & Extraction Tools(1)



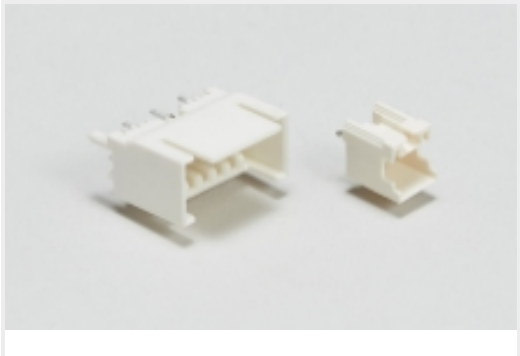
PCB Headers & Receptacles(677)



Power Contacts(3)



Rectangular Power Connectors(1178)



Wire-to-Board Headers & Receptacles (677)

Customers Also Bought





TE Part #992899-000  
D-110-0181



TE Part #53242-6  
PG SPR SPD 22-16COM22-18MIL 10



TE Part #350550-3  
UMNL SOK 20-14 PTPPHBZ L/P



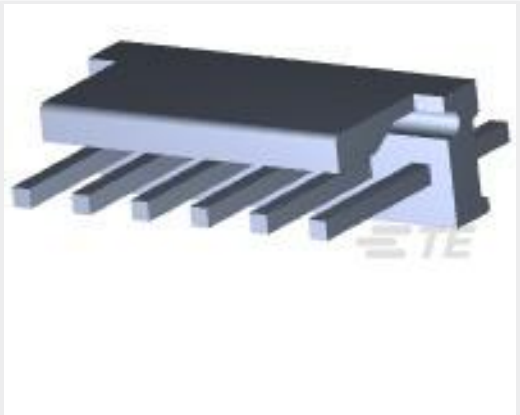
TE Part #350809-1  
05P UMNL PLUG HSG



TE Part #3-640428-3  
03P MTA156 CONN ASSY 22AWG RED



TE Part #3-644615-6  
06P MTA156 POL HDR ASSY LF



TE Part #644752-6  
06P MTA156 HDR ASSY SQ STR F/L



TE Part #1-644752-0  
10P MTA156 HDR ASSY SQ STR F/L



TE Part #1-1393210-8  
T9AS1D12-24



TE Part #5-1393788-5  
V23079D1001B301

Documents

Product Drawings

05P MTA156 HDR POL WO PEGS LF

English

CAD Files

Customer View Model

ENG\_CVM\_3-644611-5\_H1.2d\_dxf.zip

English

3D PDF

English

Customer View Model

ENG\_CVM\_3-644611-5\_H1.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_3-644611-5\_H1.3d\_stp.zip

English

3D PDF

3D



Customer View Model

[ENG\\_CVM\\_CVM\\_3-644611-5\\_F.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-644611-5\\_F.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-644611-5\\_F.3d\\_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English