

3-641121-3 ✓ ACTIVE

MTA 156

TE Internal #: 3-641121-3

Header, Plug, Wire-to-Board, 3 Position, 3.96 mm [.156 in]

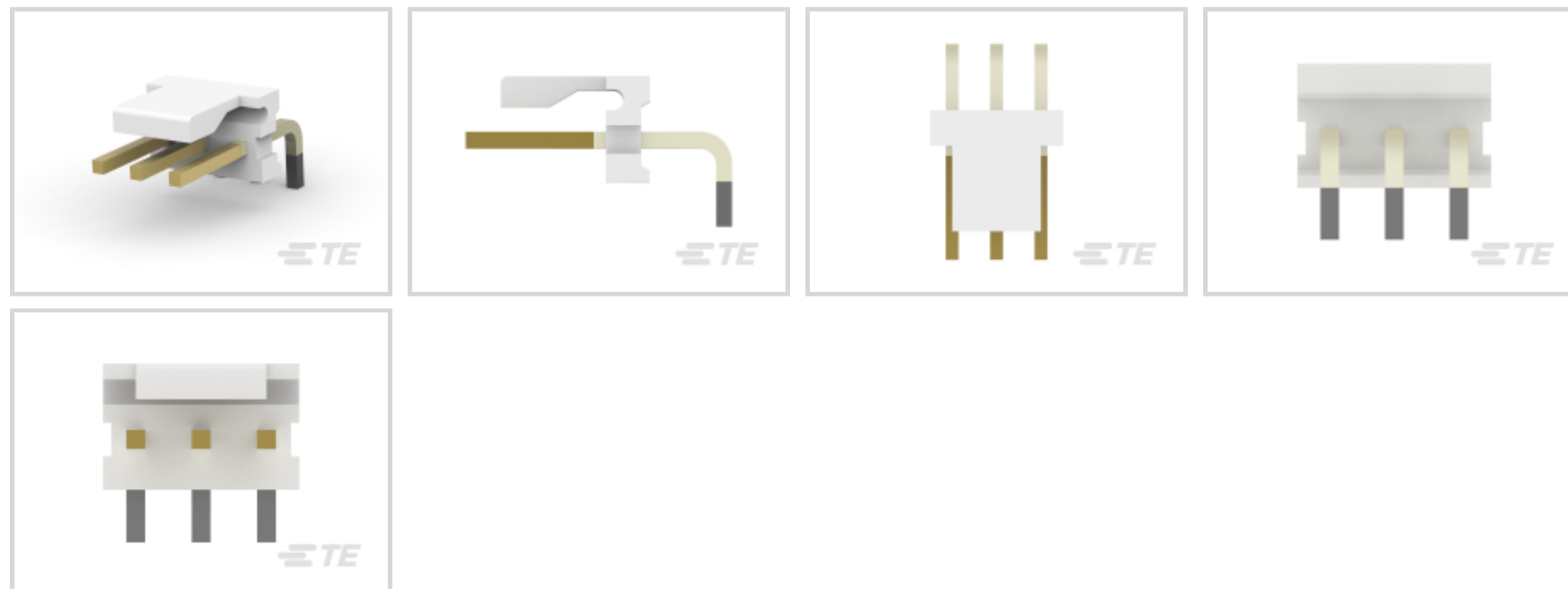
Centerline, Printed Circuit Board, UL 94V-0, MTA 156, Rectangular

Power Connectors

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Board**

Number of Positions: **3**

Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Header Type | Partially Shrouded |
| Rectangular Power Connector Type | Header |
| Connector & Housing Type | Plug |
| Connector System | Wire-to-Board |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|---------------------------|-------------|
| Number of Positions | 3 |
| PCB Mount Orientation | Right Angle |
| Number of Power Positions | 3 |
| Number of Rows | 1 |

Electrical Characteristics

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

Contact Features



| | |
|---|--|
| Mating Post Length | 10.16 mm[.4 in] |
| PCB Contact Termination Area Plating Material Thickness | 2.54 μm [100 μin] |
| Contact Layout | Inline |
| Contact Underplating Material Thickness | 1.27 μm [50 μin] |
| Contact Mating Area Plating Material | Gold, Gold Flash over Palladium Nickel |
| Contact Underplating Material | Nickel |
| Contact Base Material | Copper Alloy |
| Contact Current Rating (Max) | 7 A |
| Contact Retention Within Housing | Without |
| Contact Type | Pin |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material Thickness | .076 μm [3 μin] |

Termination Features

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

Mechanical Attachment

| | |
|-------------------------|---------------|
| Strain Relief | Without |
| Mating Retention | With |
| Mating Alignment | Without |
| PCB Mount Alignment | Without |
| Panel Mount Feature | Without |
| PCB Mount Retention | Without |
| Mating Retention Type | Friction Lock |
| Connector Mounting Type | Board Mount |

Housing Features

| | |
|--------------------------|--|
| Right Angle Bending Side | Front |
| Centerline (Pitch) | 3.96 mm[.156 in] |
| Housing Color | Natural |
| Housing Material | Thermoplastic Polyester - Glass-Filled |

Dimensions

| | |
|-----------------------------|-------------------|
| Connector Height | 10.79 mm[.425 in] |
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |



| | |
|----------------|-------------------|
| Product Length | 11.89 mm[.468 in] |
|----------------|-------------------|

Usage Conditions

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

Operation/Application

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

Industry Standards

| | |
|------------|--------------------|
| CSA Rating | Certified, LR 7189 |
|------------|--------------------|

| | |
|-----------|------------|
| UL Rating | Recognized |
|-----------|------------|

| | |
|---|---------|
| Compatible With Agency/Standards Products | CSA, UL |
|---|---------|

| | |
|---|-----------|
| Compatible With Approved Standards Products | UL E28476 |
|---|-----------|

| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

| | |
|------------------|-------------------------------|
| Glow Wire Rating | Standard Part - Not Glow Wire |
|------------------|-------------------------------|

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 2500 |
|--------------------|------|

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|------------------|---------|
| Packaging Method | Package |
|------------------|---------|

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) Candidate List Declared Against: JUNE 2024 (241) 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



TE Part # CAT-103156-WBHSM
Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156



TE Part # 640251-3
03P SL156 HSG W/O RAMP NATL



TE Part # 643071-3
03P MTA156 FD-THRU COVER



TE Part # 640551-3
03P MTA156 COVER



TE Part # 643067-3
03P MTA156 MOLDED COVER



TE Part # 640643-3
03P MTA156 COVER F/T



TE Part # 3-641148-3
03P MTA156 ASSY 18AWG ORA LF



TE Part # 3-641150-3
03P MTA156 ASSY 22AWG RED LF



TE Part # 3-641151-3
03P MTA156 ASSY 24AWG WHT LF



TE Part # 3-641168-3
03P MTA156 ASSY 18AWG ORA LF



TE Part # 3-641170-3
03P MTA156 ASSY 22AWG RED LF



TE Part # 3-644284-3
03P MTA156 ASSY 18AWG ORA LF

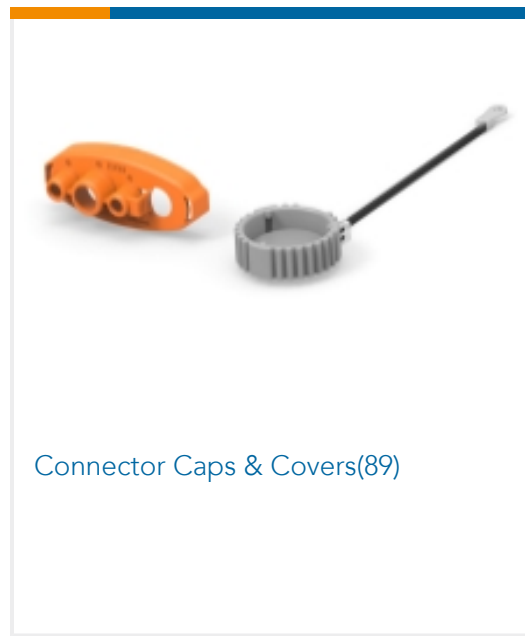


TE Part # 3-647478-3
03P MTA156 ASSY 22AWG RED LF

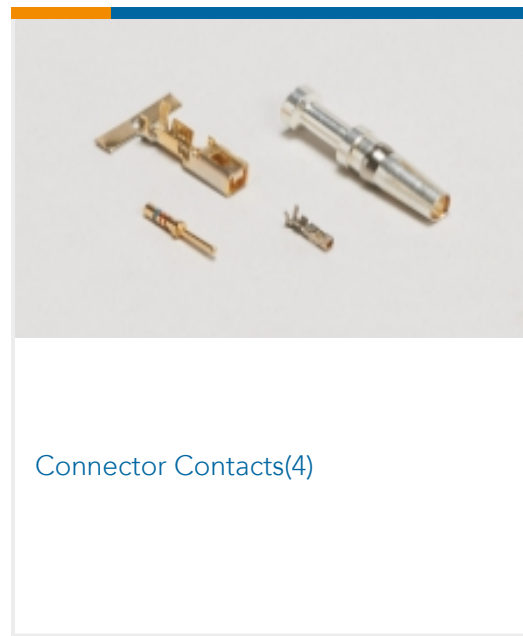


TE Part # 3-647479-3
03P MTA156 CONN ASSY 18AWG ORA

Also in the Series | **MTA 156**



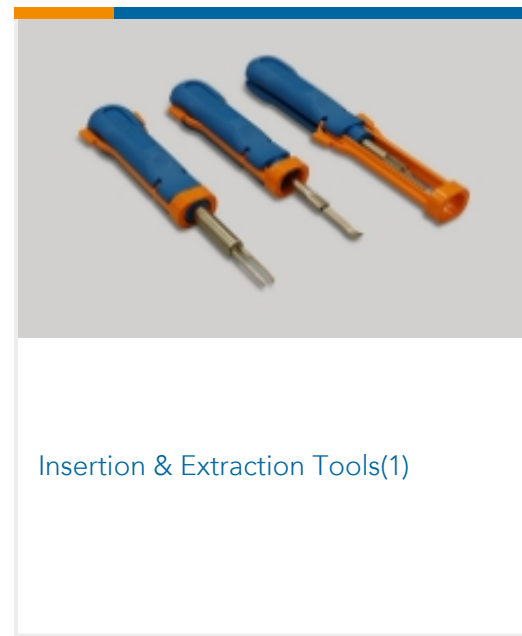
Connector Caps & Covers(89)



Connector Contacts(4)



Connector Hardware(2)



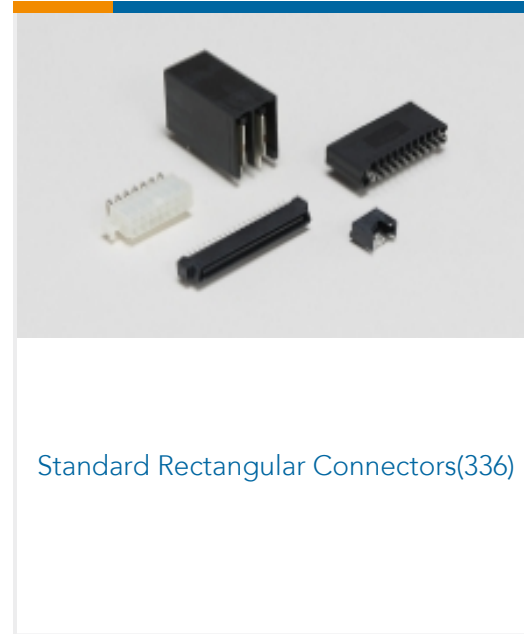
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(317)



Rectangular Power Connectors(691)



Standard Rectangular Connectors(336)

Customers Also Bought



TE Part #1-1418362-3
62 POS MIXED HEADER CODA



TE Part #3-641215-8
PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment



TE Part #2-644861-4
04P MTA100 SHRD HDR,W/O PEG SN



TE Part #640454-4
PCB Header: Polyester, Vertical, 2.54 mm



TE Part #3-641210-4
04P MTA156 HDR FLRA FB 30AU LF



TE Part #2-1761605-6
IDC LOW PRO HDR 16P RA BLUE



TE Part #534998-6
12 MODIV VRT DR CE 100/125



TE Part #3-641210-6
06P MTA156 HRD FL RA FB 30AU

Documents

Product Drawings

[03P MTA156 HDR ASSY FL/RA LF](#)

English

CAD Files

[Customer View Model](#)

[ENG_CVM_CVM_3-641121-3_AD.2d_dxf.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG_CVM_CVM_3-641121-3_AD.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-641121-3_AD.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[Agency Approval Document](#)

English