



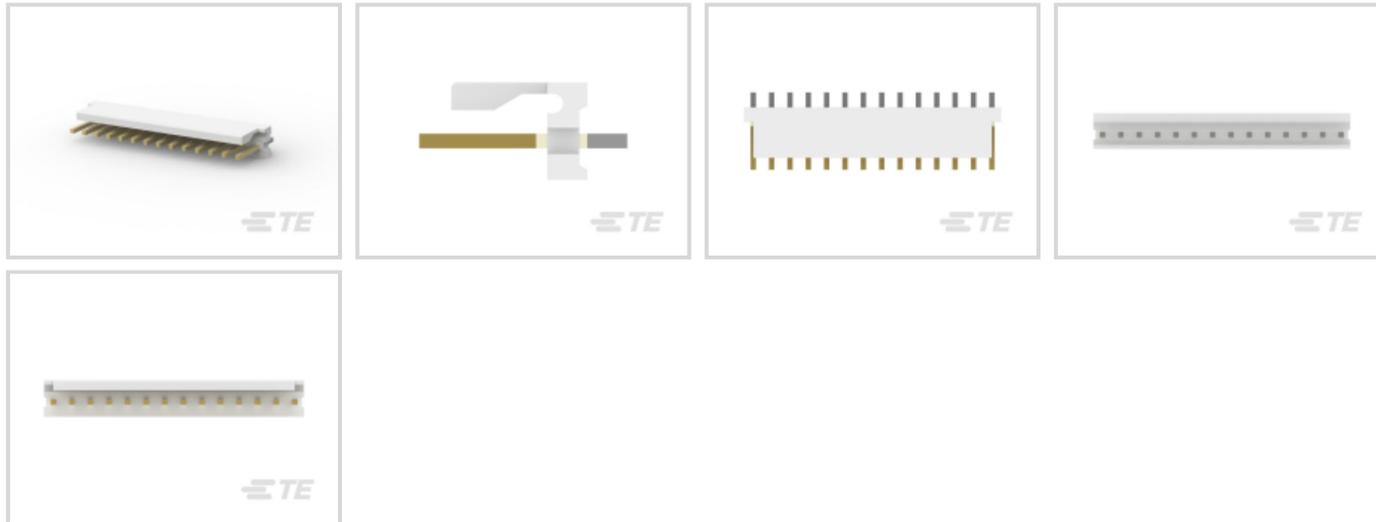
MTA 156

TE Internal #: 4-641119-4

PCB Mount Header, Vertical, Wire-to-Board, 14 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Gold (Au), Through Hole - Solder, MTA 156

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **14**

Number of Rows: **1**

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

| | |
|----------------------------------|--------------|
| Number of Columns | 14 |
| Number of Loaded Positions | 14 |
| Number of Power Positions | 14 |
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation | Vertical |



| | |
|---------------------|----|
| Number of Positions | 14 |
|---------------------|----|

| | |
|----------------|---|
| Number of Rows | 1 |
|----------------|---|

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] |
|---|---|

| | |
|--|-------|
| PCB Contact Termination Area Plating Material Finish | Matte |
|--|-------|

| | |
|--------------|--------|
| Contact Size | 1.14mm |
|--------------|--------|

| | |
|--|--|
| Contact Mating Area Plating Material Thickness | .38 μm [15 μin] |
|--|--|

| | |
|------------------------------|------------------|
| Mating Square Post Dimension | 1.14 mm[.045 in] |
|------------------------------|------------------|

| | |
|---|---|
| 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 | 10.16 mm[.4 in] |
|----------------------------|-----------------|

| | |
|-----------------------|--------------|
| Contact Base Material | Copper Alloy |
|-----------------------|--------------|

| | |
|---|-----|
| PCB Contact Termination Area Plating Material | Tin |
|---|-----|

| | |
|--------------------------------------|-----------|
| Contact Mating Area Plating Material | Gold (Au) |
|--------------------------------------|-----------|

| | |
|--------------|-----|
| Contact Type | Tab |
|--------------|-----|

| | |
|------------------------------|---------|
| Contact Current Rating (Max) | 14.24 A |
|------------------------------|---------|

Termination Features

| | |
|--------------------------------|------------------|
| Termination Post & Tail Length | 3.18 mm[.125 in] |
|--------------------------------|------------------|

| | |
|--|------------------|
| Square Termination Post & Tail Dimension | 1.14 mm[.045 in] |
|--|------------------|

| | |
|---------------------------|-----------------------|
| Termination Method to PCB | Through Hole - Solder |
|---------------------------|-----------------------|

Mechanical Attachment

| | |
|---------------------|---------|
| Panel Mount Feature | Without |
|---------------------|---------|

| | |
|-----------------------|---------------|
| Mating Retention Type | Friction Lock |
|-----------------------|---------------|

| | |
|------------------|------|
| Mating Retention | With |
|------------------|------|

| | |
|---------------------|---------|
| PCB Mount Retention | Without |
|---------------------|---------|

| | |
|---------------------|---------|
| PCB Mount Alignment | Without |
|---------------------|---------|



| | |
|-------------------------|-------------|
| Connector Mounting Type | Board Mount |
|-------------------------|-------------|

| | |
|------------------|---------|
| Mating Alignment | Without |
|------------------|---------|

Housing Features

| | |
|-----------------------|-----|
| Mating Entry Location | Top |
|-----------------------|-----|

| | |
|------------------|--|
| Housing Material | Thermoplastic Polyester - Glass-Filled |
|------------------|--|

| | |
|--------------------|-------------------|
| Centerline (Pitch) | 3.96 mm [.156 in] |
|--------------------|-------------------|

Dimensions

| | |
|-----------------|-----------------|
| Connector Width | 7.62 mm [.3 in] |
|-----------------|-----------------|

| | |
|-----------------------------|-------------------|
| PCB Thickness (Recommended) | 1.57 mm [.062 in] |
|-----------------------------|-------------------|

| | |
|------------------|--------------------|
| Connector Height | 10.79 mm [.425 in] |
|------------------|--------------------|

| | |
|------------------|---------------------|
| Connector Length | 55.47 mm [2.184 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 | 1000 |
|--------------------|------|

| | |
|------------------|---------|
| 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: JAN 2025
(247)
Candidate List Declared Against: JAN 2025
(247)
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-WBHSN
Receptacle Housing: Wire-to-Board,
no Mating Alignment, SL 156



TE Part # 1-643067-4
14P MTA156 MOLDED COVER



TE Part # 1-643071-4
14P MTA156 FD-THRU COVER



TE Part # 3-647491-2
07P MTA156 HDR LF WO 2,3,5,6



TE Part # 1-640643-4
14P MTA156 COVER FT



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



TE Part # 4-641148-4
14P MTA156 ASSY 18AWG ORA LF

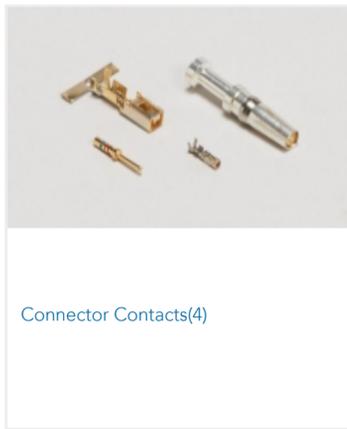


TE Part # 1-640551-4
14P MTA156 COVER

Also in the Series | [MTA 156](#)



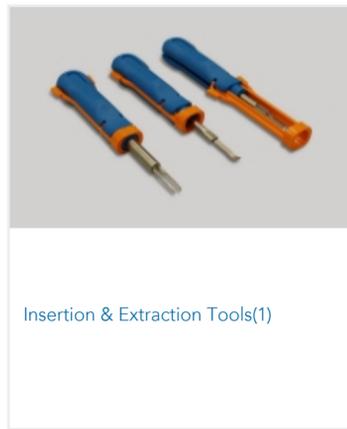
Connector Caps & Covers(89)



Connector Contacts(4)



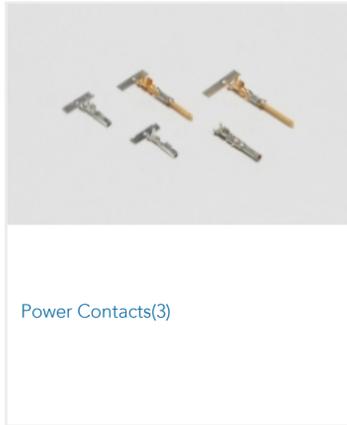
Connector Hardware(2)



Insertion & Extraction Tools(1)



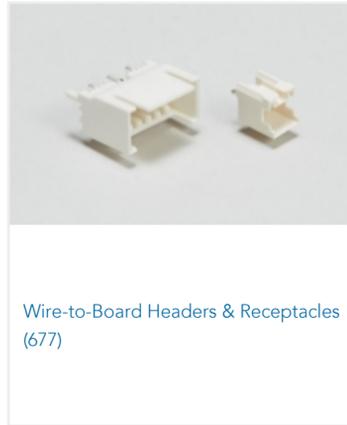
PCB Headers & Receptacles(677)



Power Contacts(3)



Rectangular Power Connectors(1178)



Wire-to-Board Headers & Receptacles (677)

Customers Also Bought



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT

Documents

Product Drawings

[14P MTA156 HDR ASSY FL/ST LF](#)

English

CAD Files

[Customer View Model](#)

[ENG_CVM_CVM_4-641119-4_AF.2d_dxf.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG_CVM_CVM_4-641119-4_AF.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-641119-4_AF.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[Agency Approval Document](#)

English