



MTA 156

TE Internal #: 641937-2

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 3

Position, 3.96 mm [.156 in] Centerline, Printed Circuit Board, UL 94V-0, MTA 156

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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 Loaded Positions | 2 |
| Number of Positions | 3 |
| PCB Mount Orientation | Vertical |
| Number of Power Positions | 3 |
| Number of Signal Positions | 0 |
| Number of Rows | 1 |

Electrical Characteristics



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

Contact Features

| | |
|--|------------------|
| Mating Post Length | 10.16 mm[.4 in] |
| Contact Layout | Inline |
| Contact Mating Area Plating Material | Tin |
| 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 | 2.54 µm[100 µin] |

Termination Features

| | |
|---|-----------------------|
| Termination Post & Tail Length | 3.7 mm[.146 in] |
| Termination Method to Printed Circuit Board | 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

| | |
|--------------------|-------------------------|
| Centerline (Pitch) | 3.96 mm[.156 in] |
| Housing Color | Natural |
| Housing Material | Thermoplastic Polyester |

Dimensions

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|-----------------------------|-----------------|
| Connector Height | 10.8 mm |
| PCB Thickness (Recommended) | 3.05 mm[.12 in] |
| Product Length | 11.89 mm |



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 |
| Agency/Standard | CSA, UL |
| Approved Standards | UL E28476 |
| UL Flammability Rating | UL 94V-0 |
| Glow Wire Rating | Standard Part - Not Glow Wire |

Packaging Features

| | |
|--------------------|---------|
| Packaging Quantity | 3000 |
| Packaging Method | Package |

Other

| | |
|-----------------------------|---|
| Number of Blocked Positions | 1 |
|-----------------------------|---|

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

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



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

TE Part # 640551-3
03P MTA156 COVER

TE Part # 640629-1
MTA156 KEYING PLUG

TE Part # 3-643818-3
03P MTA156 CONN ASSY 20AWG YEL

Also in the Series | MTA 156

Insertion & Extraction Tools(1)

PCB Connector Covers(88)

PCB Connector Keying(2)

PCB Connector Mounting(1)

PCB Headers & Receptacles(314)

Power Contacts(2)

Rectangular Power Connectors(698)

Standard Rectangular Connectors(337)

Wire-to-Board Connector Contacts(2)

Customers Also Bought

TE Part #3-640441-8
08P MTA100 CONN ASSY WHT

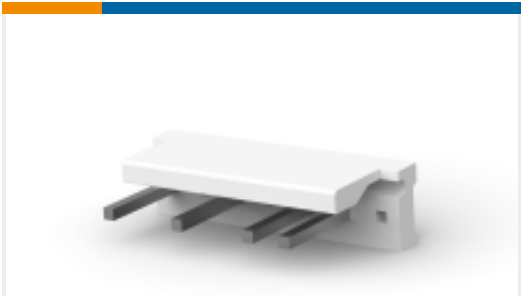
TE Part #1367073-2
20 POS SMT CONN, SFP, 30AU

TE Part #8-1879233-4
SMW5 300R 5%

TE Part #1825011-5
ASF22GL04=DPDT AUTOSLIDE



TE Part #5-104809-4
05 MTE HDR SRST LATCH W/HLDWN



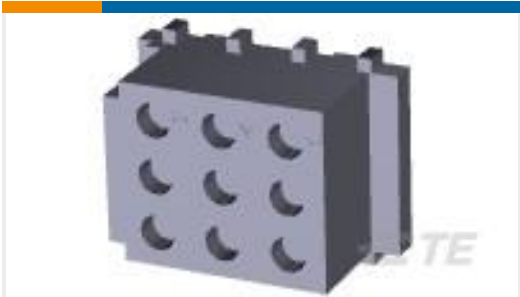
TE Part #1-643464-4
07P MTA156 HD ASY ST W/O#1,4,6



TE Part #1825007-1
DRD10CE04=ROT DIP,10P



TE Part #3-1393237-3
RTE24024F



TE Part #350642-1
09P CMNL HDR ASSY NATL



TE Part #647683-2
02P MTA156 HDR ASSY FL TP SPEC

Documents

Product Drawings

03P MTA156 HDR ASSY SQ W/O#3

English

CAD Files

Customer View Model

ENG_CVM_CVM_641937-2_N.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_641937-2_N.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_641937-2_N.3d_stp.zip

English

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Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English



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