

3-644615-3 ✓ ACTIVE



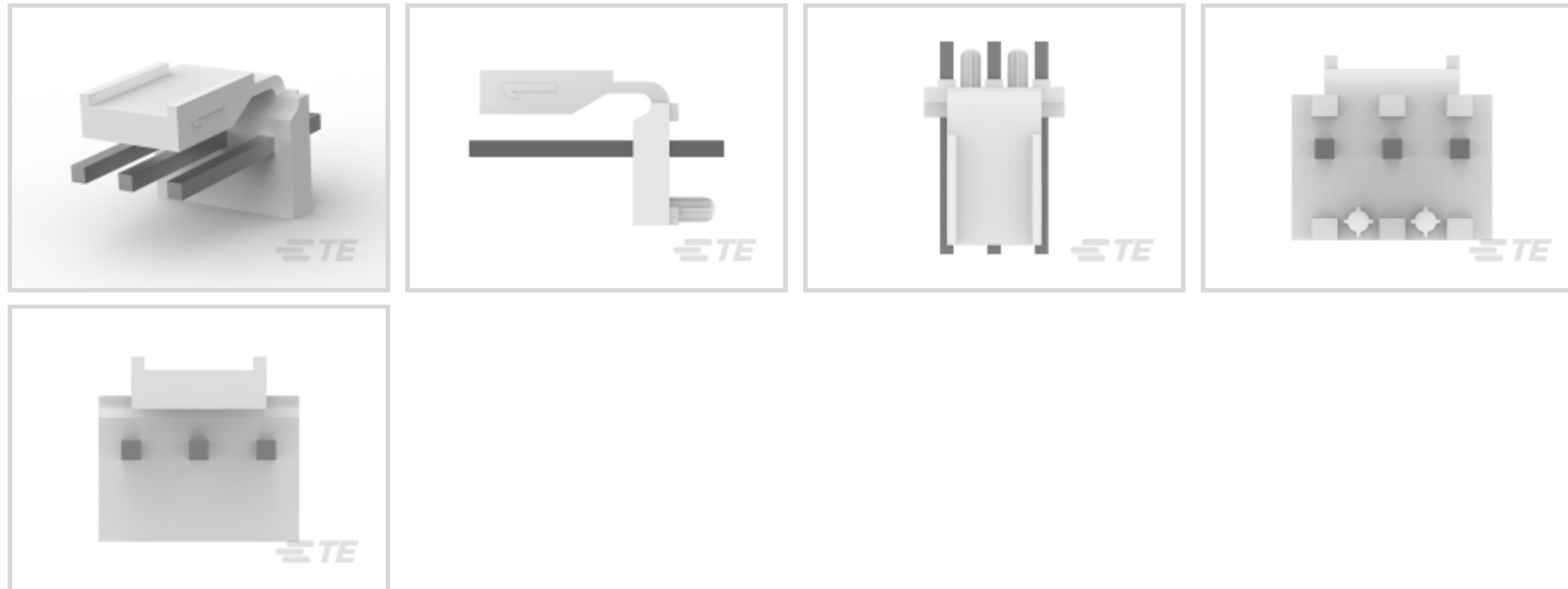
## MTA 156

TE Internal #: 3-644615-3

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

Keying & Polarized Position Locations	None
Number of Positions	3
PCB Mount Orientation	Vertical
Number of Power Positions	3
Number of Rows	1

### Electrical Characteristics

Operating Voltage	600 VAC
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### Contact Features

Mating Post Length	11.43 mm[.45 in]
PCB Contact Termination Area Plating Material Thickness	2.54 $\mu\text{m}$ [100 $\mu\text{in}$ ]
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	3.81 $\mu\text{m}$ [150 $\mu\text{in}$ ]

### Termination Features

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

### Mechanical Attachment

PCB Mount Alignment Type	Peg
Strain Relief	Without
Mating Retention	With
Mating Alignment	Without
PCB Mount Alignment	With
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Tab
Mating Retention Type	Polarized Lock
Connector Mounting Type	Board Mount

### Housing Features

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

### Dimensions

Connector Height	13.84 mm[.545 in]
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PCB Thickness (Recommended)	1.57 mm[.062 in]
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Product Length	11.76 mm[.463 in]
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### Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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### Operation/Application

Circuit Application	Power
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### Industry Standards

CSA Rating	Certified, LR 7189
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UL Rating	Recognized
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Compatible With Agency/Standards Products	CSA, UL
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Compatible With Approved Standards Products	UL E28476
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UL Flammability Rating	UL 94V-0
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Glow Wire Rating	Standard Part - Not Glow Wire
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### Packaging Features

Packaging Quantity	500
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Packaging Method	Package
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Wave solder capable to 265°C
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#### 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 # 3-640429-3  
03P MTA156 CONN ASSY 24AWG WHT



TE Part # 3-640427-3  
03P MTA156 CONN ASSY 20AWG YEL



TE Part # 3-640599-3  
03P MTA156 CONN ASSY 18AWG ORA



TE Part # 3-643821-3  
03P MTA156 CONN ASSY 26AWG LF



TE Part # 3-640426-3  
03P MTA156 CONN ASSY 18AWG ORA



TE Part # 3-640602-3  
03P MTA156 CONN ASSY 24AWG LF



TE Part # 3-644465-3  
03P MTA156 CONN ASSY 18AWG ORA



TE Part # 3-643817-3  
03P MTA156 CONN ASSY 18AWG ORA



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



TE Part # 3-640431-3  
03P MTA156 CONN ASSY 18AWG ORA



TE Part # 3-640601-3  
03P MTA156 CONN ASSY 22AWG LF



TE Part # 3-643819-3  
03P MTA156 CONN ASSY 22AWG RED



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



TE Part # 640551-3  
03P MTA156 COVER




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



TE Part # 3-640433-3  
03P MTA156 CONN ASSY 22AWG RED



TE Part # 3-643820-3  
03P MTA156 CONN ASSY 24AWG LF




TE Part # 3-644878-3  
03P MTA156 ASSY ON TAPE LF

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 #T4130012121-000  
M12,REAR MOUNT,MALE,A,12P,  
SOLDER WIRE



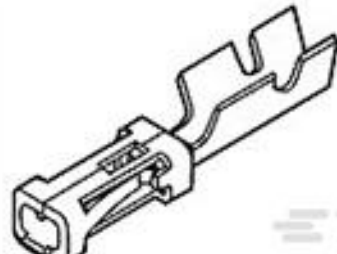
TE Part #1-1761606-1  
IDC LOW PRO HDR 34P VERT LG LAT  
BLK



TE Part #1761609-3  
IDC LOW PRO HDR 10P RA SHT LAT



TE Part #3-644465-3  
03P MTA156 CONN ASSY 18AWG  
ORA



TE Part #87309-8  
MOD V RECP PLTD SN



TE Part #5555248-1  
MJ,LPF,R/A,8P/8C,SMT,PNL STOP



TE Part #103906-5  
06 MTE HDR SRRA LATCH .100CL



TE Part #L9000018-01  
Antenna 1/2 Wave Whip 2.4GHz RPS



## Documents

### Product Drawings

[03P MTA156 POL HDR ASSY LF](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_3-644615-3\\_J.2d\\_dxf.zip](#)

English

[3D PDF](#)

English

Customer View Model

[ENG\\_CVM\\_3-644615-3\\_J.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_3-644615-3\\_J.3d\\_stp.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_3-644615-3\\_E.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-644615-3\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-644615-3\\_E.3d\\_stp.zip](#)

English

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### Product Specifications

[Application Specification](#)

English

### Agency Approvals

[CSA Certificate](#)

English

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