

3-644613-5 ✓ ACTIVE



## MTA 156

TE Internal #: 3-644613-5

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 5 Position, 3.96 mm [.156 in] Centerline, Printed Circuit Board, UL 94V-0, MTA 156

[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: **5**

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	5
PCB Mount Orientation	Right Angle
Number of Power Positions	5
Number of Signal Positions	0
Number of Rows	1

### Electrical Characteristics



Operating Voltage	600 VAC
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### Contact Features

Mating Post Length	11.43 mm[.45 in]
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PCB Contact Termination Area Plating Material Thickness	2.54 $\mu\text{m}$ [100 $\mu\text{in}$ ]
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Contact Layout	Inline
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Contact Mating Area Plating Material	Tin
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Contact Underplating Material	Nickel
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Contact Base Material	Copper Alloy
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Contact Current Rating (Max)	7 A
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Contact Retention Within Housing	Without
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Contact Type	Pin
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PCB Contact Termination Area Plating Material	Tin
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Contact Mating Area Plating Material Thickness	3.81 – 8.89 $\mu\text{m}$ [150 – 350 $\mu\text{in}$ ]
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### Termination Features

Termination Post & Tail Length	3.18 mm[.125 in]
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Termination Method to Printed Circuit Board	Through Hole - Solder
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### Mechanical Attachment

Strain Relief	Without
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Mating Retention	With
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Mating Alignment	Without
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PCB Mount Alignment	Without
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Panel Mount Feature	Without
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PCB Mount Retention	Without
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Mating Retention Type	Polarized Lock
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Connector Mounting Type	Board Mount
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### Housing Features

Right Angle Bending Side	Front
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Centerline (Pitch)	3.96 mm[.156 in]
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Housing Color	Natural
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Housing Material	Thermoplastic Polyester
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### Dimensions

Connector Height	19.81 mm[.78 in]
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PCB Thickness (Recommended)	1.57 mm[.062 in]
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.775 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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Agency/Standard	CSA, UL
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Approved Standards	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	1
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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 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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

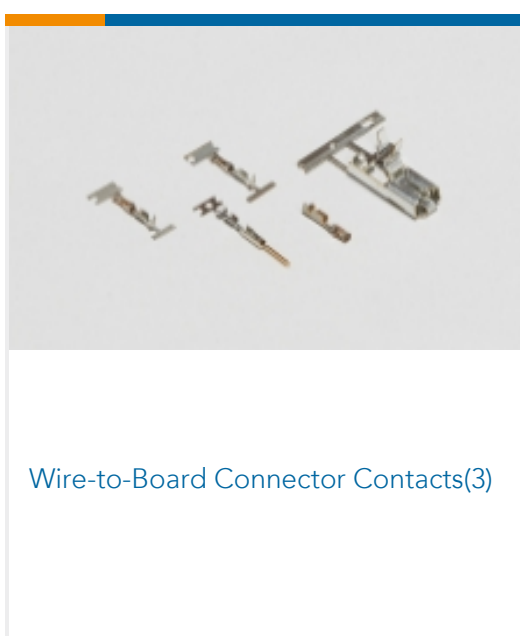
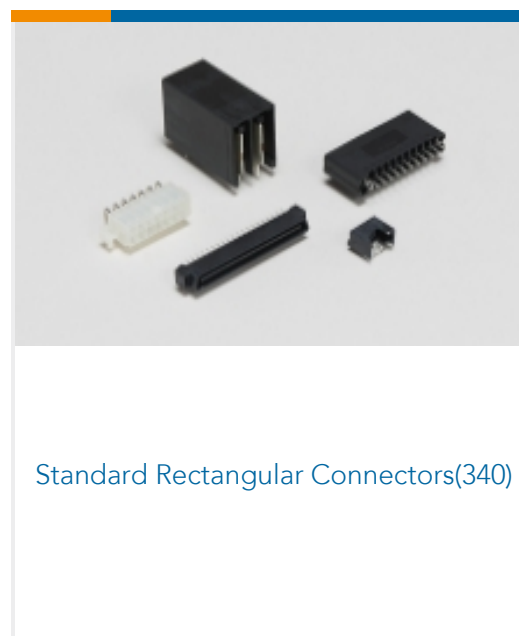
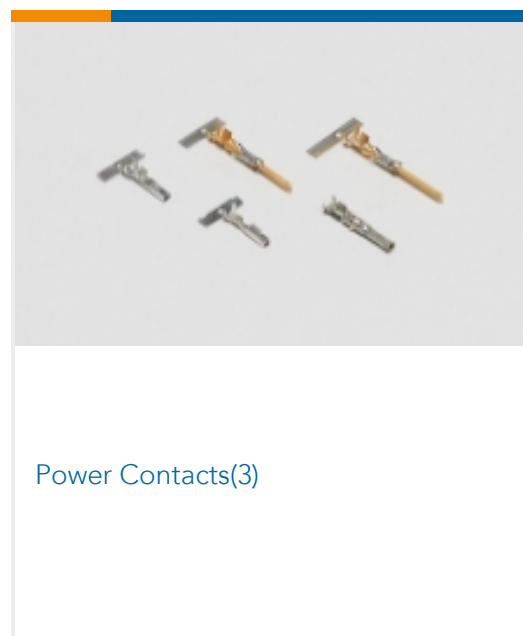
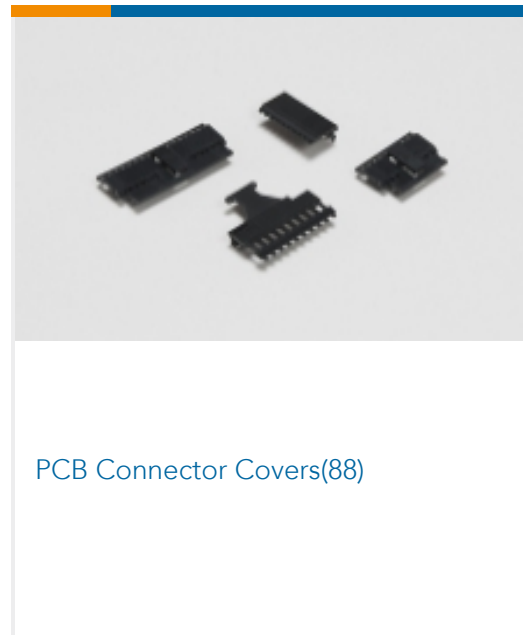
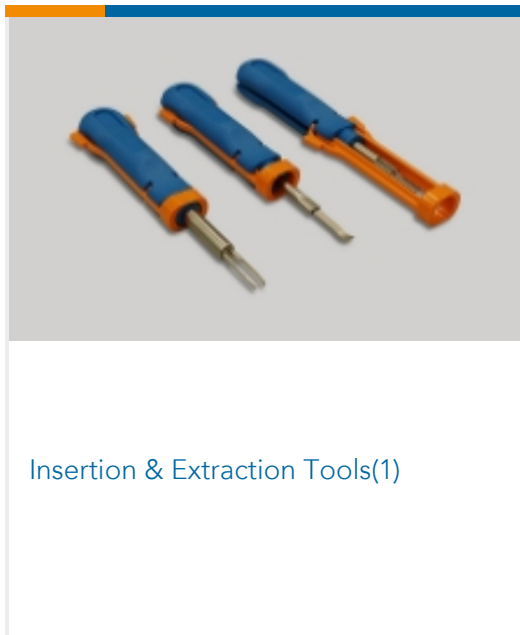
will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or 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

 <p>TE Part # CAT-103156-WBHSM Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156</p>	 <p>TE Part # 640251-5 05P SL156 HSG W/O LCK RAMP</p>	 <p>TE Part # 640551-5 05P MTA156 COVER</p>	 <p>TE Part # 3-640431-5 05P MTA156 CONN ASSY 18AWG ORA</p>
 <p>TE Part # 3-640428-5 05P MTA156 CONN ASSY 22AWG RED</p>	 <p>TE Part # 3-640433-5 05P MTA156 CONN ASSY 22AWG RED</p>	 <p>TE Part # 3-640427-5 05P MTA156 CONN ASSY 20AWG YEL</p>	 <p>TE Part # 3-643817-5 05P MTA156 CONN ASSY 18AWG ORA</p>
 <p>TE Part # 3-640426-5 05P MTA156 CONN ASSY 18AWG ORA</p>	 <p>TE Part # 640643-5 05P MTA156 COVER F/T</p>	 <p>TE Part # 3-643819-5 05P MTA156 CONN ASSY 22AWG RED</p>	 <p>TE Part # 3-640599-5 05P MTA156 CONN ASSY 18AWG ORA</p>
 <p>TE Part # 3-640432-5 05P MTA156 CONN ASSY 20AWG YEL</p>	 <p>TE Part # 3-640601-5 05P MTA156 CONN ASSY 22AWG LF</p>	 <p>TE Part # 3-640604-5 05P MTA156 CONN ASSY 18AWG LF</p>	 <p>TE Part # 643067-5 05P MTA156 MOLDED COVER</p>



## Also in the Series | MTA 156

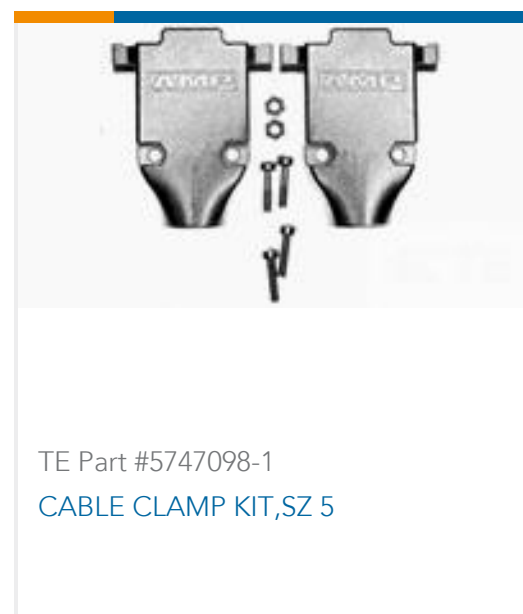


## Customers Also Bought





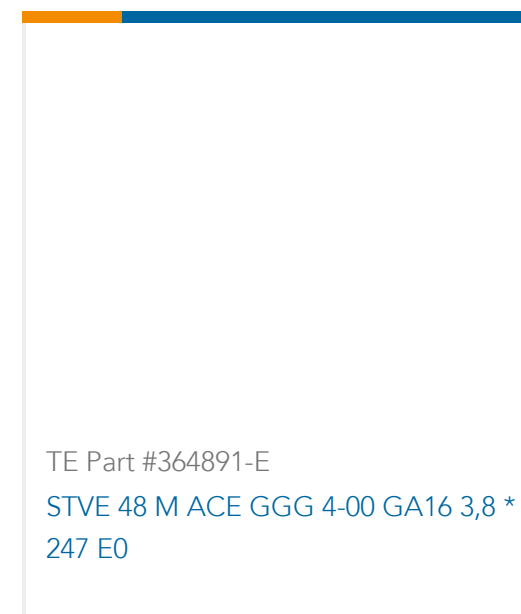
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SOLIS SPD 12-10 10



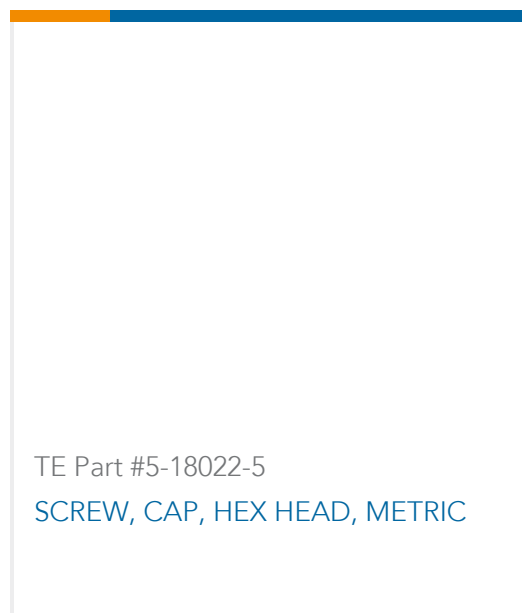
TE Part #5747098-1  
CABLE CLAMP KIT, SZ 5



TE Part #5212034-1  
8 CIRC DIN RCPT GRND SHLD



TE Part #364891-E  
STVE 48 M ACE GGG 4-00 GA16 3,8 \*  
247 E0



TE Part #5-18022-5  
SCREW, CAP, HEX HEAD, METRIC

## Documents

### Product Drawings

[05P MTA156 HDR RA PO WO PEG LF](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_3-644613-5\\_E.2d\\_dxf.zip](#)

English

3D PDF

English

Customer View Model

[ENG\\_CVM\\_3-644613-5\\_E.3d\\_igs.zip](#)

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Customer View Model

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English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-644613-5\\_D.3d\\_stp.zip](#)

English

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[Product Specifications](#)

[Application Specification](#)

English