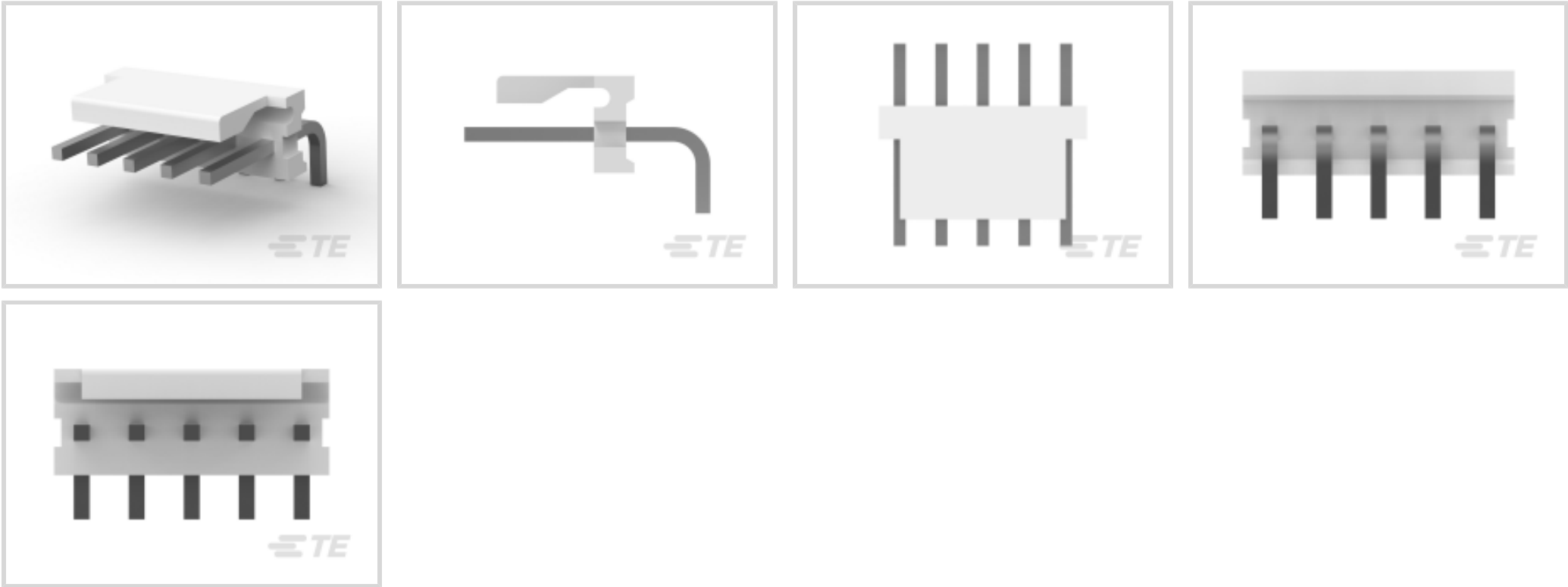




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Product Type: **Header**

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	Unshrouded
Product Type	Header
Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Contact Type	Tab

Configuration Features

Number of Positions	5
PCB Mount Orientation	Vertical
Number of Power Positions	5
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features



Contact Layout	Inline
Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	7 A
Contact Retention	Without
Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Thickness	2.54 µm[100 µin]

Termination Features

Termination Post & Tail Length	3.56 mm[.14 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Right Angle Bending Side	Front
Centerline (Pitch)	3.96 mm[.156 in]
UL Flammability Rating	UL 94V-0
Housing Color	Natural
Housing Material	Polyester

Dimensions

PCB Thickness (Recommended)	1.6 mm[.063 in]
Mating Post Length	10.16 mm[.4 in]
Height	10.79 mm[.425 in]
Length	19.81 mm[.78 in]

Usage Conditions

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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
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	E28476
Agency/Standard	CSA, UL
UL Rating	Recognized
CSA File Number	LR7189

Packaging Features

Packaging Method	Package
Packaging Quantity	1000

Other

For Use With	MTA .156 Connector Assembly or SL .156 Connector Assembly
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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 2019 (197) Candidate List Declared Against: JAN 2019 (197)
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

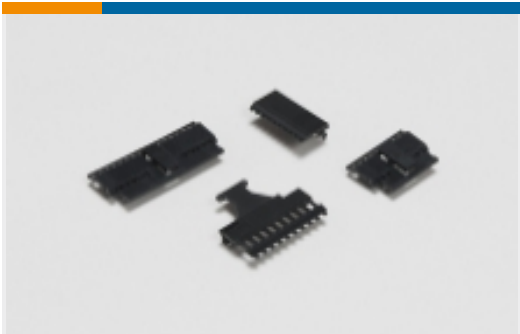


Rectangular Power Connectors(24)



Wire-to-Board Connector Housings(5)

Also in the Series | MTA 156



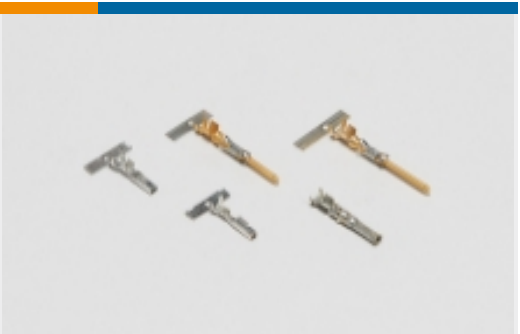
PCB Connector Covers(92)



PCB Connector Keying(2)



PCB Connector Mounting (1)



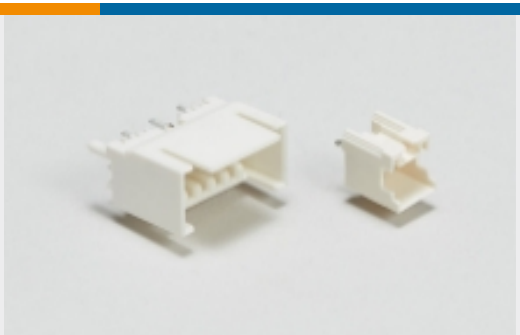
Power Contacts(3)



Rectangular Power Connectors(749)



Wire-to-Board Connector Contacts(12)



Wire-to-Board Headers & Receptacles(729)

Customers Also Bought

05P MTA156 HDR ASSY SQ R/A F/L

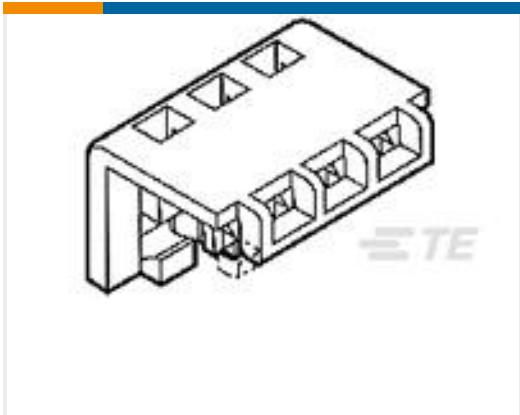
TE Part # 640389-5
TE Internal #: 640389-5



TE Part #2-5748003-0
09 PLUG SP/FMS BRDLK



TE Part #640389-6
06P MTA156 HDR ASSY
SQ R/A F/L



TE Part #643067-6
06P MTA156 MOLDED
COVER



TE Part #640389-3
03P MTA156 HDR ASSY
SQ R/A F/L



TE Part #1-640457-0
10P MTA100 HDR ASSY
SQ R/A F/L



TE Part #640389-4
04P MTA156 HDR ASSY
SQ R/A F/L



TE Part #640457-5
05P MTA100 HDR ASSY
SQ R/A F/L



TE Part #390088-2
BLACK HSG WITH 15AU
CONTACT



TE Part #747844-6
09 MSFL RCPT RA 318 (SL,
FM,BL)



TE Part #640457-8
08P MTA100 HDR ASSY
SQ R/A F/L

Documents

Product Drawings

05P MTA156 HDR ASSY SQ R/A F/L

English

CAD Files

Customer View Model

ENG_CVM_CVM_640389-5_AG.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_640389-5_AG.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_640389-5_AG.3d_igs.zip

English

Datasheets & Catalog Pages

MTA, CST-100 II, SL-156 and AMP Economy Power (EP) Connectors



English

Product Environmental Compliance

TE Material Declaration

English

TE Material Declaration

English

Agency Approvals

Agency Approval Document

English