643495-1 ✔ ACTIVE

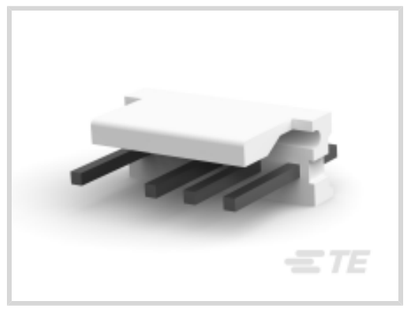
MTA 156

TE Internal #: 643495-1

PCB Mount Header, Vertical, Wire-to-Board, 5 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, Power, MTA 156

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Assembly Type: **PCB Mount Header**

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

Number of Positions: **5**

Number of Rows: **1**

Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Partially Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Power Positions	4
Number of Columns	5
Number of Loaded Positions	4
Connector Contact Load Condition	Selectively Loaded
Number of Positions	5
Number of Rows	1

PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	600 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Mating Area Length	10.16 mm[.4 in]
Contact Size	1.14mm
Mating Square Post Dimension	1.14 mm[.045 in]
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Layout	Inline
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	2.54 µm[100 µin]
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	14.24 A

Termination Features

Square Termination Post & Tail Dimension	1.14 mm[.045 in]
Termination Post & Tail Length	3.18 mm[.125 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Mating Entry Location	Top
Housing Material	Thermoplastic Polyester - Glass-Filled
Centerline (Pitch)	3.96 mm[.156 in]

Dimensions

Connector Length	19.81 mm[.78 in]
Connector Height	10.79 mm[.425 in]
Connector Width	7.62 mm[.3 in]
PCB Thickness (Recommended)	1.57 mm[.062 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

UL Rating	Recognized
Glow Wire Rating	Standard Part - Not Glow Wire
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	2000
Packaging Method	Package

Other

Position Locations Omitted	4
Number of Blocked Positions	1

Product Compliance

For compliance documentation, visit the product page on TE.com>

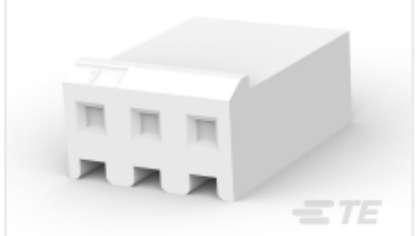
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

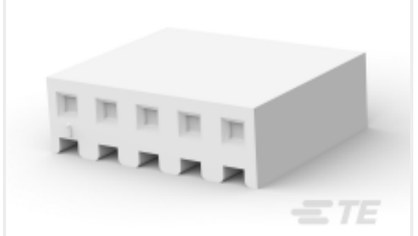
Product Compliance Disclaimer

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

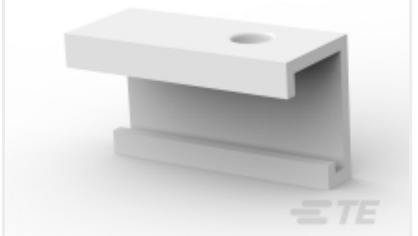
Compatible Parts



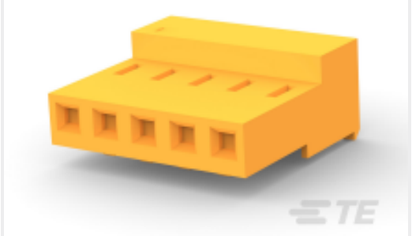
TE Part # CAT-103156-WBHSM
Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156



TE Part # 640251-5
05P SL156 HSG W/O LCK RAMP



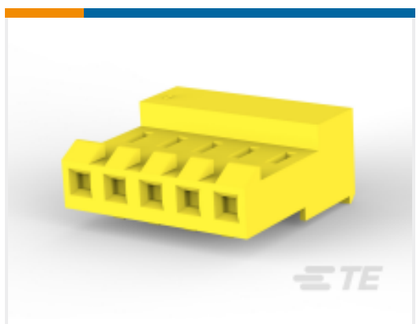
TE Part # 640551-5
05P MTA156 COVER



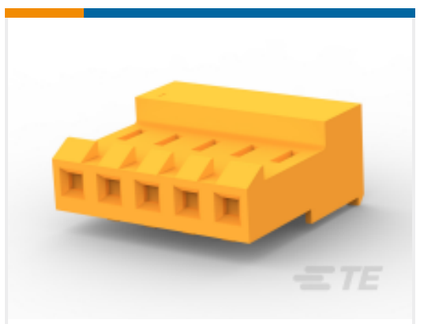
TE Part # 3-640431-5
05P MTA156 CONN ASSY 18AWG ORA



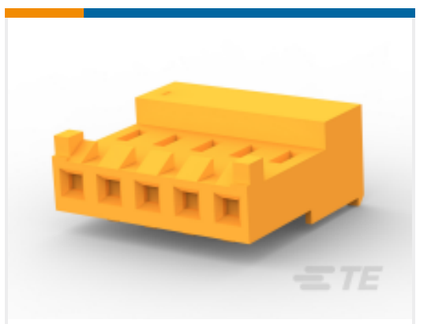
TE Part # 3-640428-5
05P MTA156 CONN ASSY 22AWG RED



TE Part # 3-640427-5
05P MTA156 CONN ASSY 20AWG YEL



TE Part # 3-641217-5
05P MTA156 CONN ASSY 18AWG ORA



TE Part # 3-643817-5
05P MTA156 CONN ASSY 18AWG ORA



TE Part # 3-640426-5
05P MTA156 CONN ASSY 18AWG ORA



TE Part # 640643-5
05P MTA156 COVER F/T



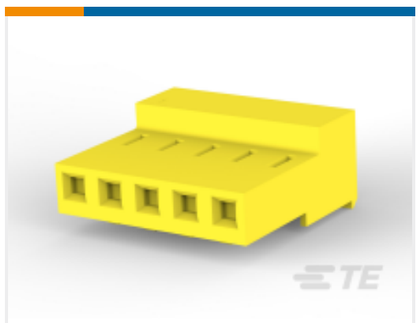
TE Part # 3-643819-5
05P MTA156 CONN ASSY 22AWG RED



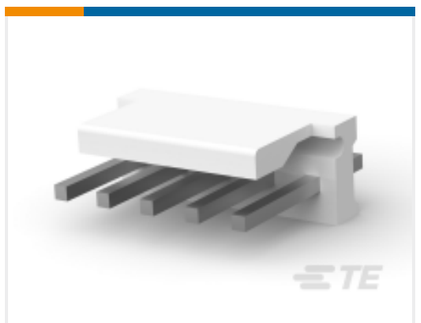
TE Part # 640629-1
MTA156 KEYING PLUG



TE Part # 1-641938-1
08P MTA156 HDR ASSY STR F/L W/



TE Part # 3-640432-5
05P MTA156 CONN ASSY 20AWG YEL



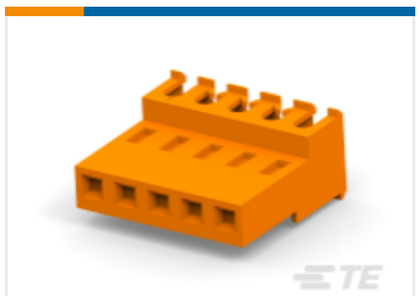
TE Part # 640445-5
05P MTA156 HDR ASSY FL/STR SN



TE Part # 3-640429-5
05P MTA156 CONN ASSY 24AWG WHT



TE Part # 3-640601-5
05P MTA156 CONN ASSY 22AWG LF



TE Part # 3-640604-5
05P MTA156 CONN ASSY 18AWG LF

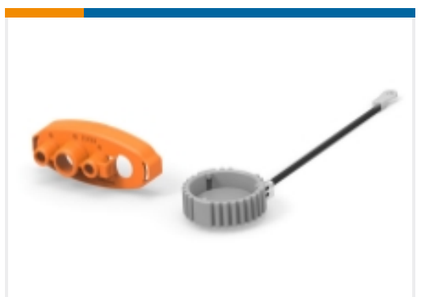


TE Part # 643067-5
05P MTA156 MOLDED COVER



TE Part # 643071-5
05P MTA156 FD-THRU COVER

Also in the Series | MTA 156



Connector Caps & Covers(89)



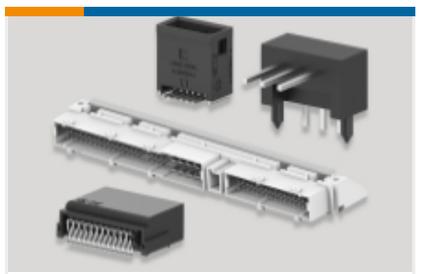
Connector Contacts(4)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(677)

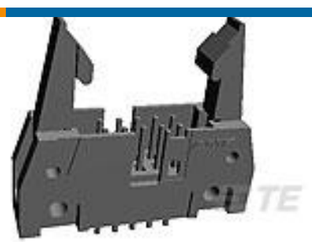


Rectangular Power Connectors(331)



Standard Rectangular Connectors(336)

Customers Also Bought



TE Part #5102321-4
A/L UNIV HDR 20P VERT LG LAT



TE Part #1-338068-8
MICRO-MATCH FTE,18P



TE Part #2-323915-2
TERMINAL,PIDG R 26-22 6



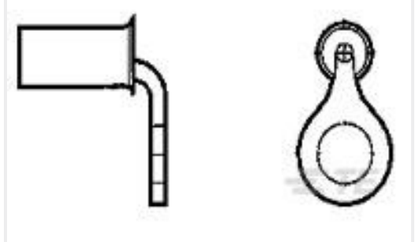
TE Part #5-2176231-8
3522 2K4 1% 3W



TE Part #2176459-5
SMW 7W R15 5% Taped



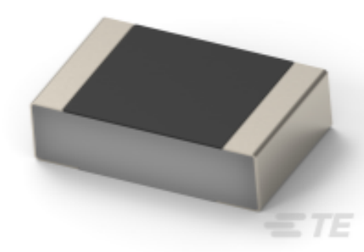
TE Part #33466-1
TERMINAL,SOLIS R 6 5/16 90DEG



TE Part #35625
TERMINAL,SOLIS R 90DEG 4 1/4



TE Part #5-2176339-6
CRGCQ 0603 390K 1%



TE Part #9-2176451-7
CPF 0201 499R 0.1% 25ppm 1K RL

Documents

Product Drawings

05P MTA156 HDR ASSY W/O#4

English

CAD Files

Customer View Model

ENG_CVM_CVM_643495-1_R.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_643495-1_R.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_643495-1_R.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English

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TE Connectivity:

917696-1 CRGCQ2010J3K3 SBCHE154R7K U5254-000005-030PA SBCHE64R7K 2-292161-3 2834055-1 650075-000 ROX05SJ18R 1-794222-0 1-962915-1 1393431-1 141991-2 2005330-1 2310537-1 3631B101LL 1743455-2 1903112-2 1969656-1 RH73H2A40MKTN SMW73R0JT CPF0402B37K4E1 175977-2 3-1393225-0 3430B2F51RTDF 936348-1 TE50BR39J 2377783-2 2380312-2 MPT100C18RF