3-640599-5 ✔ ACTIVE

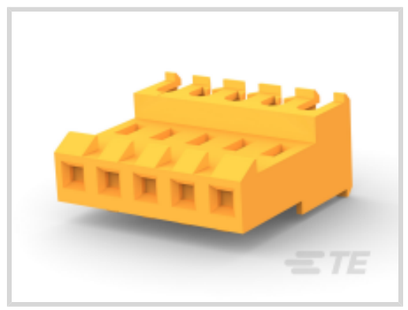
MTA 156

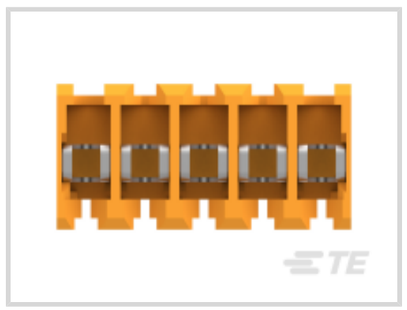
TE Internal #: 3-640599-5

Rectangular Power Connectors, Connector Assembly, Receptacle, Wire-to-Board, 5 Position, 3.96 mm [.156 in] Centerline, Wire & Cable, UL 94V-2, MTA 156

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors




Rectangular Power Connector Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **5**

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

Features

Product Type Features

Compatible With Discrete Wire Type	Stranded
Rectangular Power Connector Type	Connector Assembly
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	5
Number of Power Positions	5
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC

Body Features

Cable Exit Angle	90°

Connector Profile	Standard

Contact Features

Contact Layout	Inline
Contact Underplating Material Thickness	30 µm[.762 µin]
Wire Contact Termination Area Plating Thickness	2.03 - 5.08 µm[80 - 200 µin]
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	7 A
Contact Retention Within Housing	With
Contact Type	Receptacle
Wire Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	2.03 - 5.08 µm[80 - 200 µin]

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)

Mechanical Attachment

Strain Relief	With
Mating Retention	With
Mating Alignment	Without
Contact Retention Type Within Housing	Locking Lance
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Retention Type	Locking Ramp
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Wire & Cable IDC Installation Type	Feed Through
Centerline (Pitch)	3.96 mm[.156 in]
Housing Color	Orange
Housing Material	Nylon

Dimensions

Connector Height	9.78 mm[.385 in]
Product Length	19.81 mm[.78 in]
Compatible Insulation Diameter Range	2.41 mm[.095 in]
Wire Size	.823 mm²

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
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-2
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	250
Packaging Method	Box & Carton

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 2024 (240) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

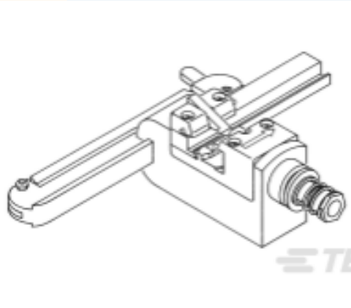
Product Compliance Disclaimer

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



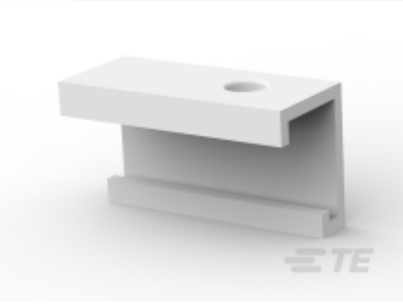
TE Part # 58074-1
MTA 50/100/156 MANUAL TOOL FRAME



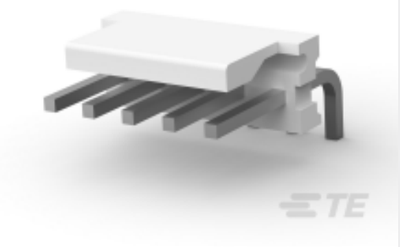
TE Part # 58443-1
MTA 156 CRIMP HEAD PRODUCTION FEED THRU



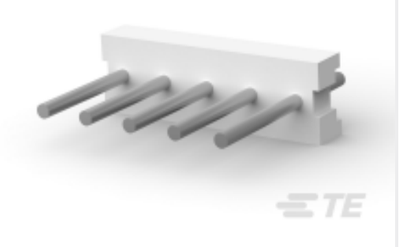
TE Part # 3-644613-5
05P MTA156 HDR RA PO WO PEG LF



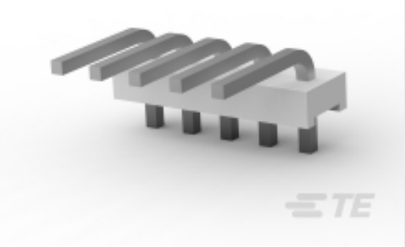
TE Part # 640551-5
05P MTA156 COVER



TE Part # 640389-5
05P MTA156 HDR ASSY SQ R/A F/L



TE Part # 640384-5
05P MTA156 HDR ASSY STR RND SN



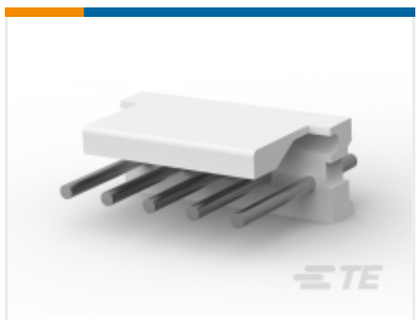
TE Part # 640385-5
05P MTA156 HDR ASSY SQ R/A



TE Part # 2-647123-5
05P MTA156 SHRD HDR ASSY SQ SN



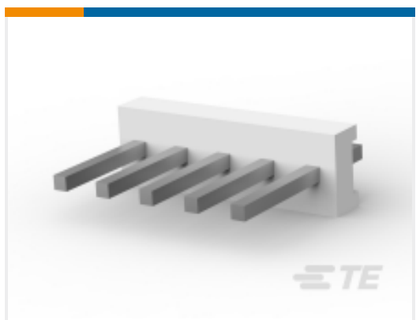
TE Part # 640643-5
05P MTA156 COVER F/T



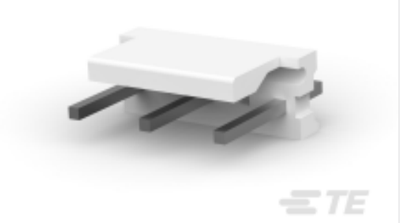
TE Part # 640388-5
05P MTA156 HDR ASSY RN STR F/L



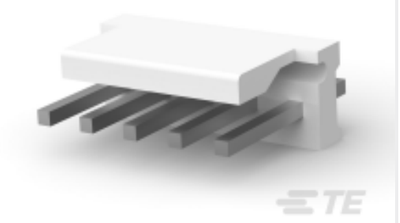
TE Part # 643495-3
05P MTA156 HDR ASSY W/O#2



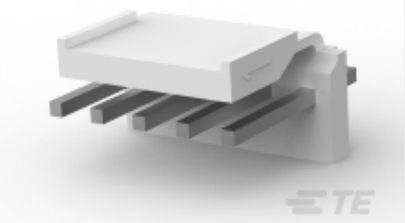
TE Part # 640383-5
05P MTA156 HDR ASSY STR SQ SN



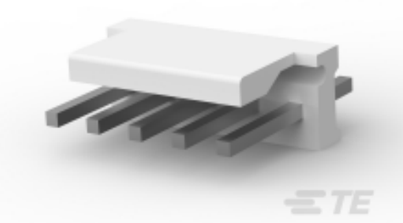
TE Part # 643495-2
05P MTA156 HDR ASSY W/O#2&4



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



TE Part # 3-644615-5
05P MTA156 POL HDR ASSY LF



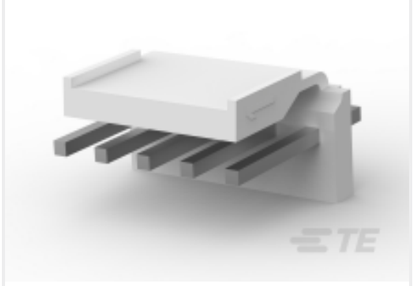
TE Part # 644752-5
05P MTA156 HDR ASSY SQ STR F/L



TE Part # 643067-5
05P MTA156 MOLDED COVER



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



TE Part # 3-644611-5
05P MTA156 HDR POL WO PEGS LF



TE Part # 59804-1
MAINTENANCE TOOL

Also in the Series | MTA 156



Connector Caps & Covers(89)



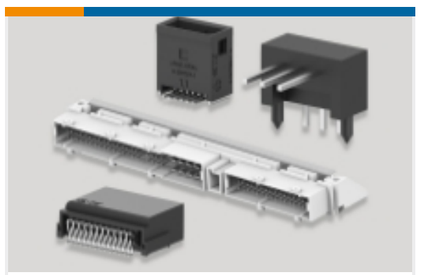
Connector Contacts(4)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(314)



Rectangular Power Connectors(691)



Standard Rectangular Connectors(336)

Customers Also Bought



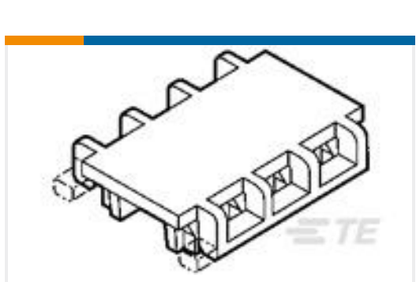
TE Part # 2007637-8
SFP+ assy 2x2 Spring Fingers N



TE Part # 640455-5
05P MTA100 HDR ASSY SQ R/A POL



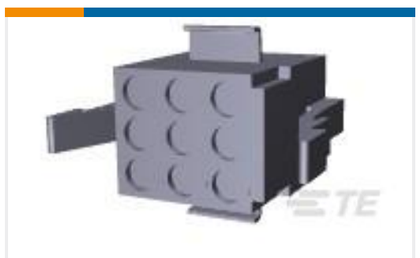
TE Part # 1-1462051-2
HF393=50OHM140MW 5V BIST 2COIL



TE Part # 1-643077-0
10P MTA100 MOLDED COVER F/T



TE Part # 640251-2
02P SL156 HSG W/O RAMP NATL



TE Part # 1-480274-0
09P CMNL PLUG HSG P/M NATL



TE Part # 640385-5
05P MTA156 HDR ASSY SQ R/A



TE Part # 3-640599-2
02P MTA156 CONN ASSY 18AWG ORA



TE Part # 2-520310-2
ULTRA-FAST .110/.125 ASY REC 22-18 TPBR



TE Part # 4-640599-0
10P MTA156 CONN ASSY 18AWG ORA

Documents

Product Drawings

05P MTA156 CONN ASSY 18AWG ORA

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-640599-5_N.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-640599-5_N.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-640599-5_N.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

Product Specifications

Application Specification

Japanese

Application Specification

English

MTA 156 Ribbon Cable Connector Assemblies (English And Spanish)

English

MTA 156 Ribbon Cable Connector Assemblies (English And Spanish)

Japanese

Agency Approvals

CSA Certificate

English