1-640445-8 ✔ ACTIVE

MTA 156

TE Internal #: 1-640445-8

Header, Plug, Wire-to-Board, 18 Position, 3.96 mm [.156 in] Centerline, Printed Circuit Board, UL 94V-0, MTA 156, Rectangular Power Connectors

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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: **18**

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

Number of Positions	18
PCB Mount Orientation	Vertical
Number of Power Positions	18
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC

Contact Features

Mating Post Length	10.16 mm[.4 in]
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Layout	Inline
Contact Underplating Material Thickness	50 µm[1.27 µin]
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	2.54 µm[100 µin]

Termination Features

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

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Height	10.79 mm[.425 in]
PCB Thickness (Recommended)	.06 mm[1.6 in]
Product Length	71.32 mm[2.808 in]

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, VDE
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	250
Packaging Method	Package

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

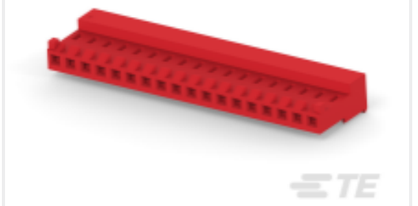
Compatible Parts



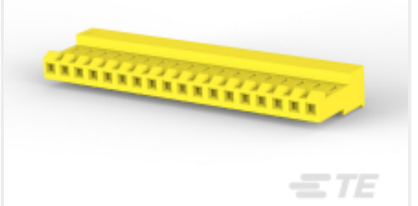
TE Part # 1-640251-8
18P SL156 HSG W/O LCK RAMP



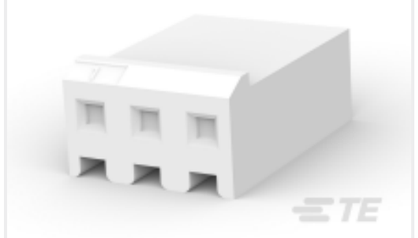
TE Part # 4-640426-8
18P MTA156 CONN ASSY 18AWG ORA



TE Part # 4-643819-8
18P MTA156 CONN ASSY 22AWG LF



TE Part # 4-640427-8
18P MTA156 CONN ASSY 20AWG YEL



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



TE Part # 1-643067-8
18P MTA156 MOLDED COVER



TE Part # 1-640551-8
18P MTA156 COVER



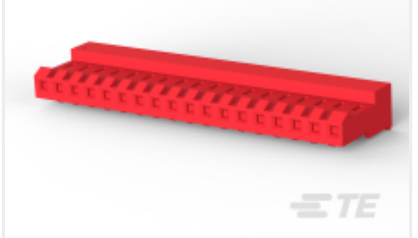
TE Part # 4-643817-8
18P MTA156 CONN ASSY 18AWG LF



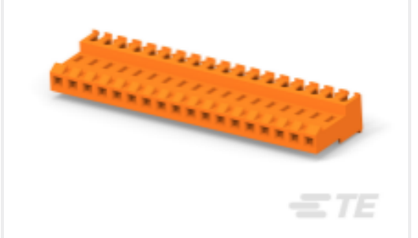
TE Part # 1-640643-8
18P MTA156 COVER F/T



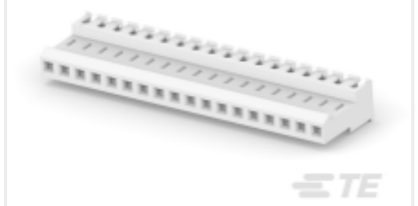
TE Part # 1-643071-8
18P MTA156 FD-THRU COVER



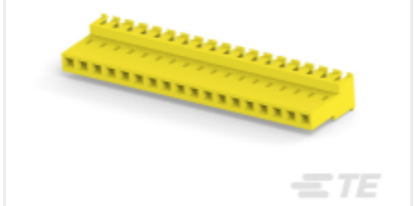
TE Part # 4-640428-8
18P MTA156 CONN ASSY 22AWG RED



TE Part # 4-640599-8
18P MTA156 CONN ASSY 18AWG ORA



TE Part # 4-640602-8
18P MTA156 CONN ASSY 24AWG LF



TE Part # 4-640605-8
18P MTA156 CONN ASSY 20AWG LF

Also in the Series | MTA 156



Connector Caps & Covers(89)



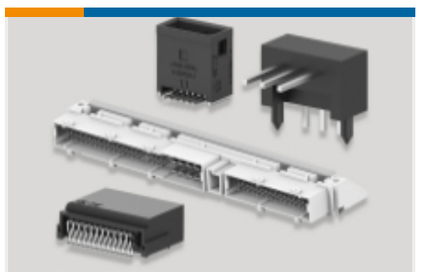
Connector Contacts(4)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(317)



Rectangular Power Connectors(691)

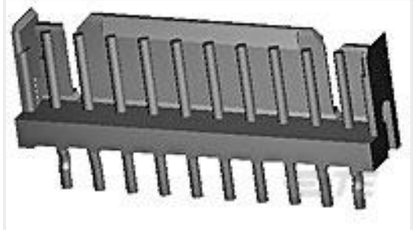


Standard Rectangular Connectors(336)

Customers Also Bought



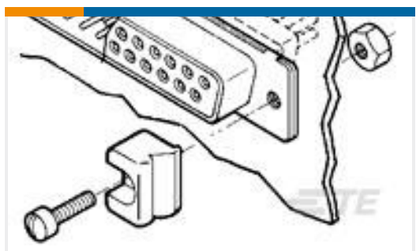
TE Part #770849-4
04P SL156 HSG W/LCK RMP & TABS



TE Part #292161-6
CT P/HDR ASSY V 6P W/KINK NAT



TE Part #9-2176070-1
3521 56K 1% 2W



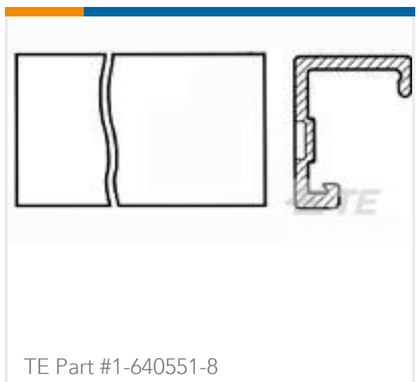
TE Part #745286-2
LATCHING BLOCK



TE Part #100400-4
MICRO-MATCH FSID NP



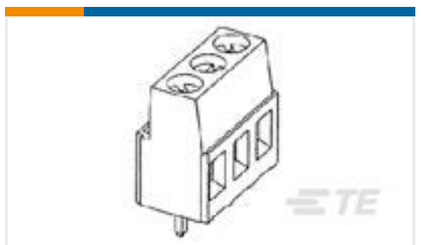
TE Part #8-1546158-0
6PCV-20-323=W/PP



TE Part #1-640551-8
18P MTA156 COVER



TE Part #5-146282-1
01 MODII HDR SRST B/A .100CL



TE Part #796682-2
TERMI-BLOK PCB MOUNT 90 2P.

Documents

Product Drawings

18P MTA156 HDR ASSY FL/STR SN

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-640445-8_AL.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-640445-8_AL.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-640445-8_AL.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:

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