

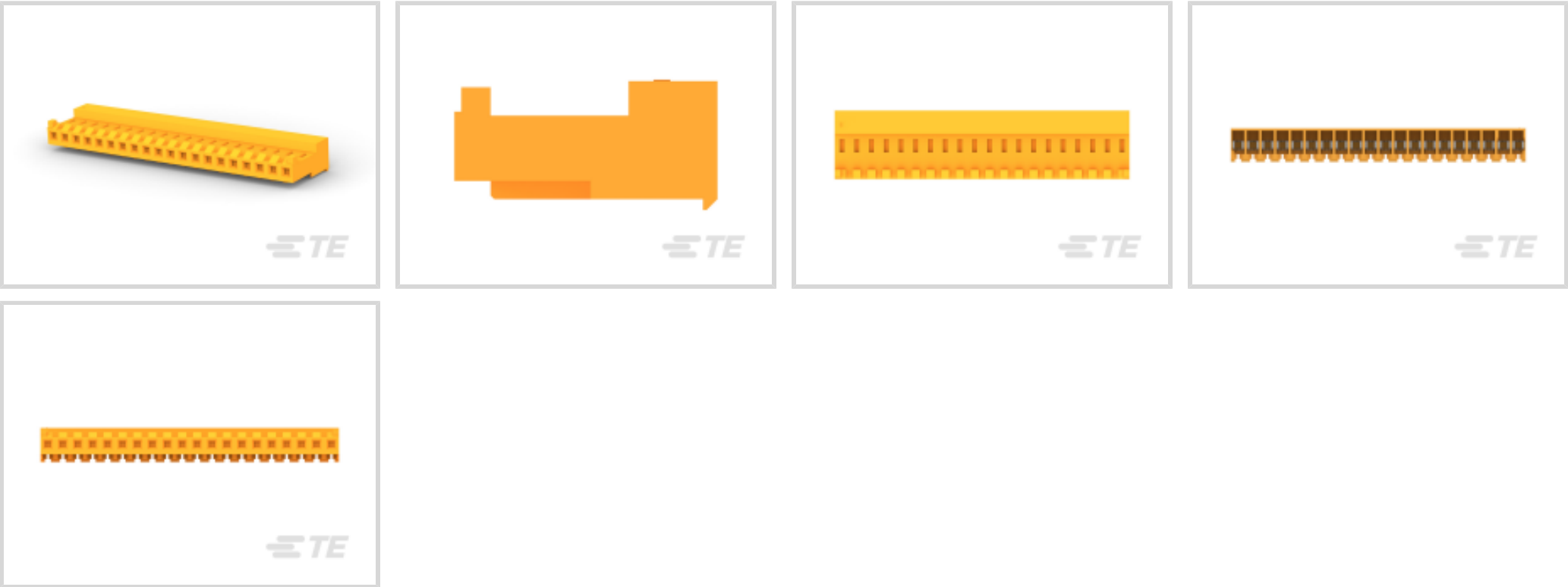


MTA 156

TE Internal #: 5-643817-0
Connector Assembly, Receptacle, Wire-to-Board, 20 Position, 3.96 mm [.156 in] Centerline, Wire & Cable, MTA 156, Rectangular Power Connectors

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



EU RoHS Compliance: **Compliant**
EU ELV Compliance: **Compliant**
Rectangular Power Connector Type: **Connector Assembly**
Connector & Housing Type: **Receptacle**
Connector System: **Wire-to-Board**

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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	20
Number of Power Positions	20
Number of Rows	1

Electrical Characteristics



Operating Voltage	600 VAC
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Body Features

Cable Exit Angle	90°
Connector Profile	Standard

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	30 µm[.762 µin]
Contact Layout	Inline
Contact Mating Area Plating Material	Tin
Contact Base Material	Copper Alloy
Wire Contact Termination Area Plating Thickness	2.03 µm[80 µin]
Contact Mating Area Plating Material Finish	Matte
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)
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Mechanical Attachment

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

Housing Features

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

Dimensions

Compatible Insulation Diameter Range	2.41 mm[.095 in]
Product Length	79.25 mm
Connector Height	9.02 mm
Wire Size	.823 mm²

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

Compatible With Agency/Standards Products	UL, CSA
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
CSA Rating	LR 7189, Certified
UL Flammability Rating	UL 94V-2
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	125
Packaging Method	Bag & Box

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: JAN 2023 (233) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per



homogenous material. Also BFR/CFR/PVC Free

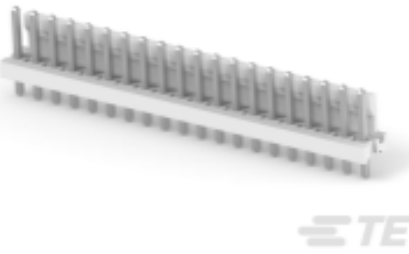
Solder Process Capability

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 # 58247-1 MTA 156 CRIMP HEAD REPAIR DISCRETE	 TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME	 TE Part # 59804-1 MAINTENANCE TOOL	 TE Part # 2-640445-0 20P MTA156 HDR ASSY FL/STR SN
 TE Part # 2-644752-0 20P MTA156 HDR ASSY SQ STR F/L	 TE Part # 2-640388-0 20P MTA156 HDR ASSY RN STR F/L	 TE Part # 2-640389-0 20P MTA156 HDR ASSY SQ R/A F/L	 TE Part # 2-640551-0 20P MTA156 COVER
 TE Part # 2-640383-0 20P MTA156 HDR ASSY STR SQ SN	 TE Part # 58247-3 MTA 156 CRIMP HEAD PRODUCTION RBBN CABLE	 TE Part # 2-640385-0 20P MTA156 HDR ASSY SQ R/A	 TE Part # 2-640643-0 20P MTA156 COVER F/T



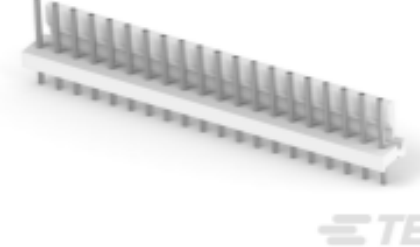
TE Part # 2-643067-0
20P MTA156 MOLDED COVER



TE Part # 2-643071-0
20P MTA156 FD-THRU COVER



TE Part # 2-644751-0
20P MTA156 HDR ASSY R/A



TE Part # 2-644753-0
20P MTA156 HDR ASSY RN STR F/L



TE Part # 58247-2
MTA 156 CRIMP HEAD PRODUCTION
DISCRETE

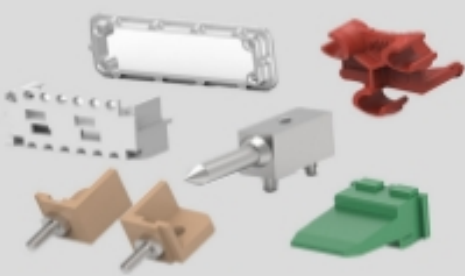
Also in the Series | MTA 156



Connector Caps & Covers(89)



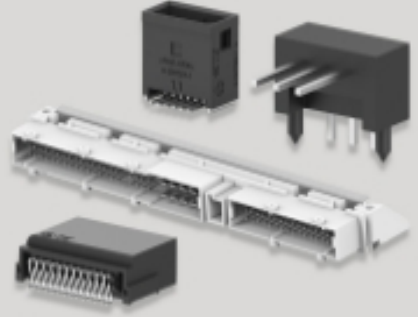
Connector Contacts(4)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(677)

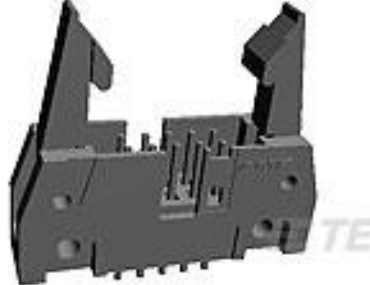


Rectangular Power Connectors(331)



Standard Rectangular Connectors(336)

Customers Also Bought



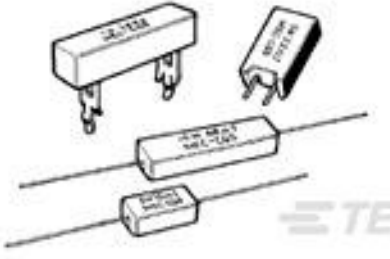
TE Part #5499374-2
A/L UNIV HDR 14P VERT SHT LAT



TE Part #2-1393222-0
V23061A1005A302=MINISTARKSTROM



TE Part #4-1393122-4
KHAU-17D11-24=KH



TE Part #1-1623797-5
SQZ10 68R 5% (WIRE)



Documents

Product Drawings

20P MTA156 CONN ASSY 18AWG LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-643817-0_J.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-643817-0_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-643817-0_J.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of 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

Application Specification

English

Agency Approvals

Agency Approval Document

English