



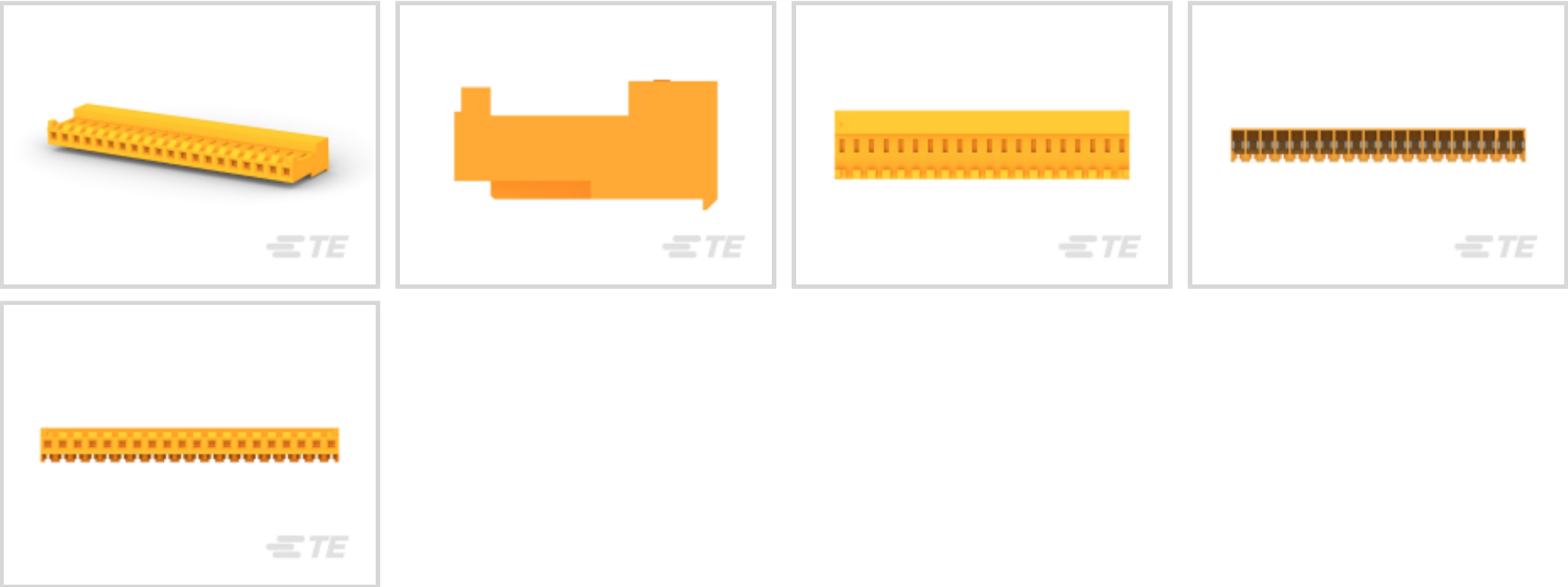
MTA 156

TE Internal #: 5-643817-0

Connector Assembly, Receptacle, Insulation Displacement (IDC),
Wire-to-Board, Tin (Sn), MTA 156, Rectangular Wire & Cable
Connectors & Housings

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Connector Assembly**
Connector & Housing Type: **Receptacle**
Mating Alignment: **With**
Mating Alignment Type: **Polarizing Tab**
Mating Retention: **With**

Features

Product Type Features

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

Configuration Features

Number of Power Positions	20
Number of Positions	20
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Cable Exit Angle	90°
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Primary Product Color	Orange
Contact Features	
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	30 µm[.762 µin]
Contact Mating Area Plating Material Thickness	2.03 – 5.08 µm[80 – 200 µin]
Wire Contact Termination Area Plating Material	Tin
Contact Layout	Inline
Contact Base Material	Copper Alloy
Wire Contact Termination Area Plating Thickness	2.03 µm[80 µin]
Contact Type	Receptacle
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin (Sn)
Contact Retention Within Housing	With
Contact Current Rating (Max)	7 A
Termination Features	
Termination Method to Wire & Cable	Insulation Displacement (IDC)
Mechanical Attachment	
Strain Relief	With
Panel Mount Feature	Without
Contact Retention Type Within Housing	Locking Lance
Mating Alignment	With
Mating Alignment Type	Polarizing Tab
Mating Retention	With
Mating Retention Type	Locking Ramp
Connector Mounting Type	Cable Mount (Free-Hanging)
Housing Features	
Housing Material	Nylon
Wire & Cable IDC Installation Type	Closed End
Centerline (Pitch)	3.96 mm[.156 in]
Dimensions	
Compatible Insulation Diameter Range	2.41 mm[.095 in]
Connector Height	9.02 mm



Wire Size	18 AWG
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Connector Length	79.25 mm
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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	CSA, UL
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UL Rating	Recognized
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Compatible With Approved Standards Products	UL E28476
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CSA Rating	Certified, LR 7189
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Glow Wire Rating	Standard Part - Not Glow Wire
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UL Flammability Rating	UL 94V-2
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Packaging Features

Packaging Quantity	125
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Packaging Method	Bag & Box
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Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not applicable for solder process capability
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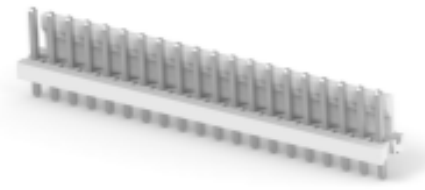
Product Compliance Disclaimer

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



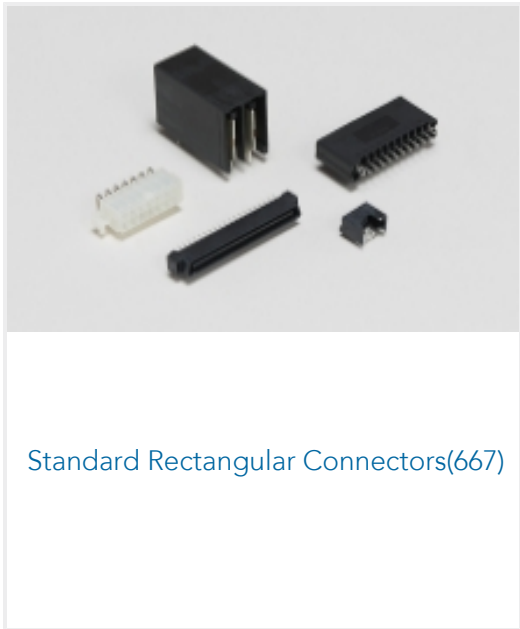
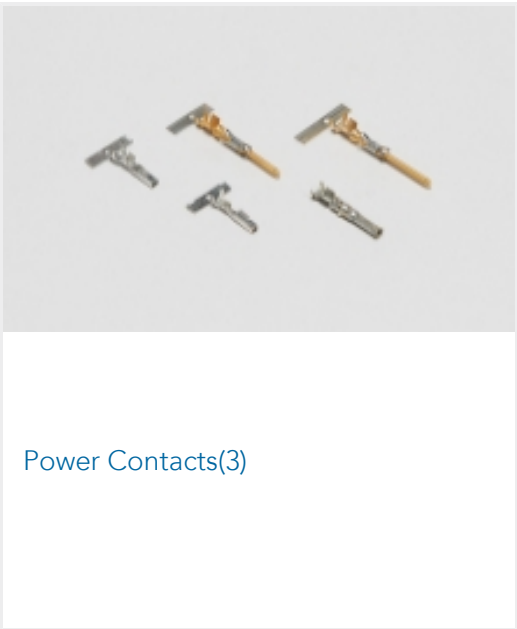
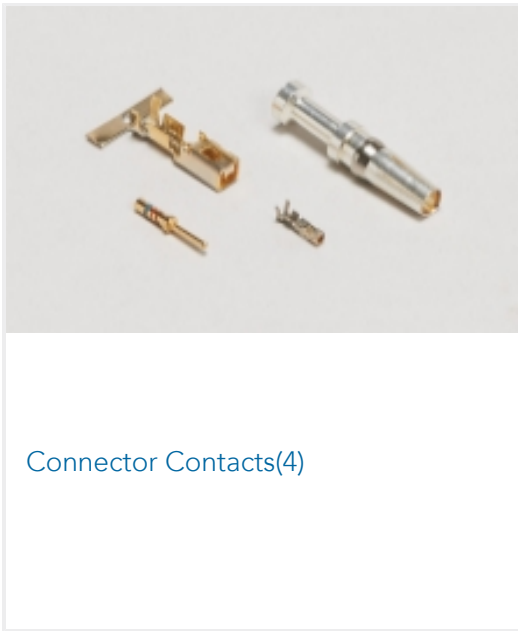
limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration 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

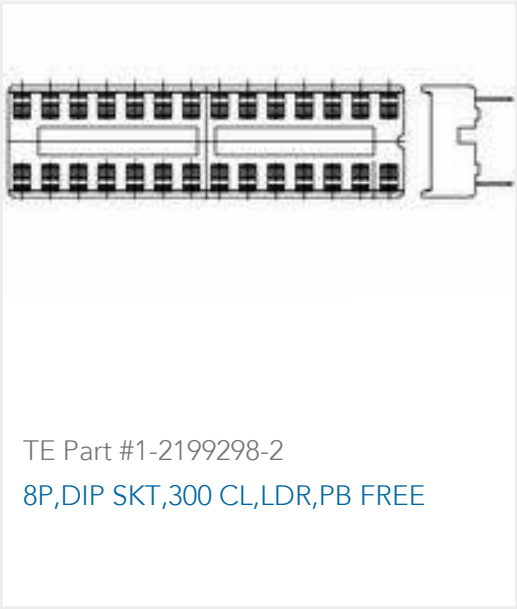
 TE Part # 2-643071-0 20P MTA156 FD-THRU COVER	 TE Part # 2-640389-0 20P MTA156 HDR ASSY SQ R/A F/L	 TE Part # 2-644751-0 20P MTA156 HDR ASSY R/A	 TE Part # 2-640383-0 20P MTA156 HDR ASSY STR SQ SN
 TE Part # 58247-1 MTA 156 CRIMP HEAD REPAIR DISCRETE	 TE Part # 2-640385-0 20P MTA156 HDR ASSY SQ R/A	 TE Part # 2-640551-0 20P MTA156 COVER	 TE Part # 2-640445-0 20P MTA156 HDR ASSY FL/STR SN
 TE Part # 59804-1 MAINTENANCE TOOL	 TE Part # 2-644753-0 20P MTA156 HDR ASSY RN STR F/L	 TE Part # 2-640388-0 20P MTA156 HDR ASSY RN STR F/L	 TE Part # 2-643067-0 20P MTA156 MOLDED COVER
 TE Part # 58247-3 MTA 156 CRIMP HEAD PRODUCTION RBBN CABLE	 TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME	 TE Part # 2-640643-0 20P MTA156 COVER F/T	 TE Part # 2-644752-0 20P MTA156 HDR ASSY SQ STR F/L



Also in the Series | MTA 156



Customers Also Bought



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