

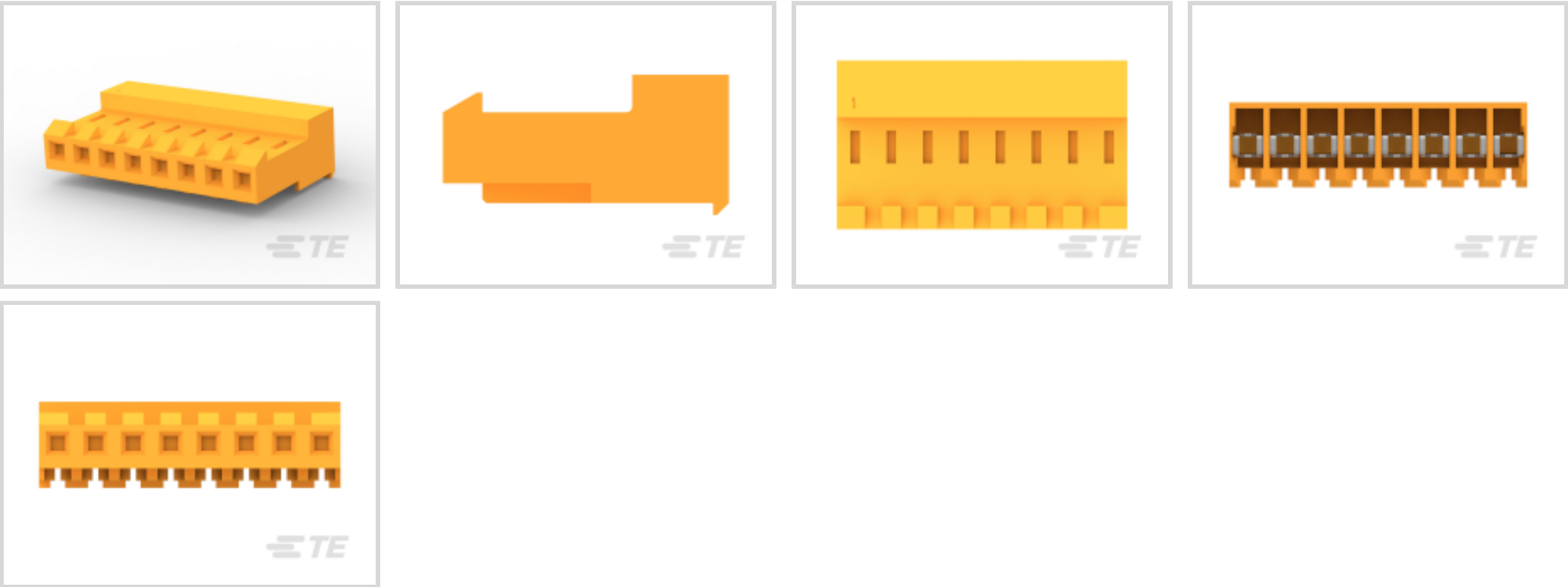


MTA 156

TE Internal #: 3-641217-8
Connector Assembly, Receptacle, Wire-to-Board, 8 Position, 3.96 mm [.156 in] Centerline, Wire & Cable, UL 94V-2, MTA 156, Rectangular Power Connectors

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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	8
Number of Power Positions	8
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	1.27 – 1.77 µm[1.27 – 1.77 µin]
Contact Layout	Inline
Contact Mating Area Plating Material	Gold Flash over Palladium Nickel, Gold
Contact Base Material	Copper Alloy
Wire Contact Termination Area Plating Thickness	2.03 – 5.08 µm[80 – 200 µin]
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	.076 µm[3 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	Without
PCB Mount Alignment	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Wire & Cable IDC Installation Type	Closed End
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	31.7 mm[1.248 in]
Connector Height	9.02 mm[.355 in]
Wire Size	.8 – .9 mm²
Usage Conditions	
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Operation/Application	
Circuit Application	Power & Signal
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	250
Packaging Method	Bag
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	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

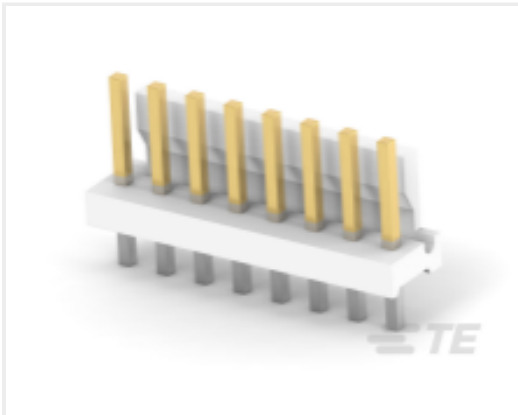
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 643067-8 08P MTA156 MOLDED COVER
TE Part # 3-641208-8 08P MTA156 HDR ASSY FL ST LF	TE Part # 3-641210-8 08P MTA156 HDR FLRA FB 30AU LF	TE Part # 3-641209-8 08P MTA156 HDR ASSY FL ST LF	TE Part # 641922-3 08P MTA156 HDR ASSY STR W/O#2
TE Part # 643071-8 08P MTA156 FD-THRU COVER	TE Part # 640643-8 08P MTA156 COVER F/T	TE Part # 640551-8 08P MTA156 COVER	TE Part # 58247-3 MTA 156 CRIMP HEAD PRODUCTION RBBN CABLE



TE Part # 3-641202-8
08P MTA156 HDR ASSY PL 30AU LF



TE Part # 3-644759-8
08P MTA156 HDR ASSY STR LF



TE Part # 3-644760-8
08P MTA156 HDR ASSY FL ST LF



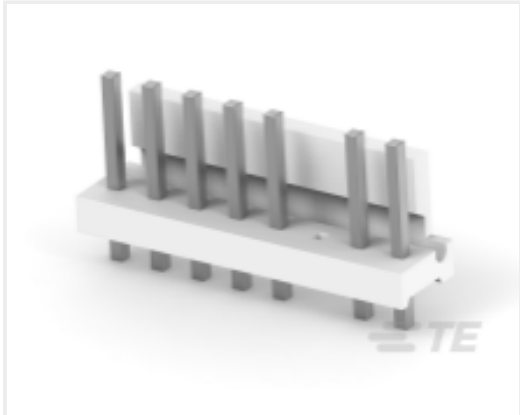
TE Part # 3-644761-8
08P MTA156 HDR ASSY R/A F/L LF



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



TE Part # 641922-1
08P MTA156 HDR ASSY STR W/O#4



TE Part # 641922-2
08P MTA156 HDR ASSY STR W/O#3

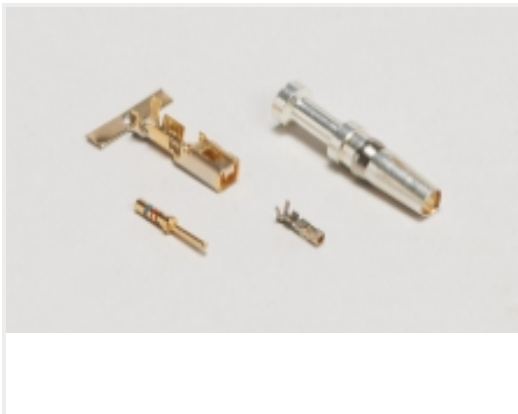


TE Part # 641922-6
08P MTA156 HDR ASSY W/O#4,6

Also in the Series | MTA 156



Connector Caps & Covers(89)



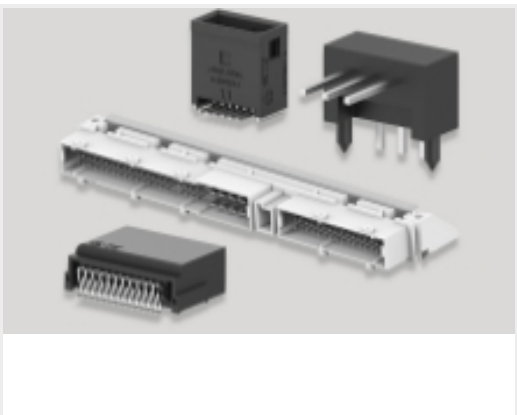
Connector Contacts(4)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(677)



Rectangular Power Connectors(331)

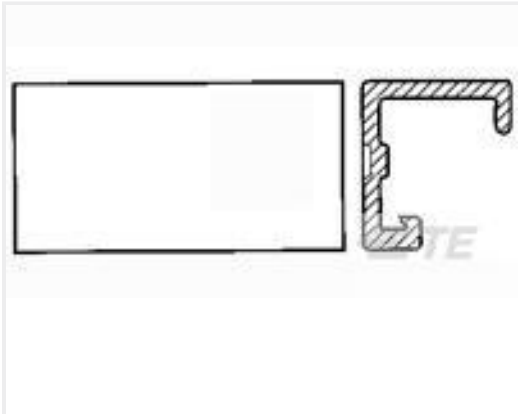


Standard Rectangular Connectors(336)

Customers Also Bought



TE Part #4-641215-0
PCB Header: Polyester, Vertical,
Unshrouded, No Mating Alignment



TE Part #1-640550-0
10P MTA100 COVER



TE Part #4-644042-0
10P MTA100 CONN ASSYLF



TE Part #3-641208-8
08P MTA156 HDR ASSY FL ST LF



TE Part #1445715-5
75A HSG SUBASY RED

TE Part #1546310-6
6P .563" DR BARRIER STRIP

TE Part #5055558-4
10 POWER TAP ASSY .100

TE Part #3-641150-5
05P MTA156 ASSY 22AWG RED LF

TE Part #3-641119-5
05P MTA156 HDR ASSY FL/ST LF

Documents

Product Drawings

08P MTA156 CONN ASSY 18AWG ORA

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-641217-8_W.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-641217-8_W.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-641217-8_W.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

UL

English

UL

English