



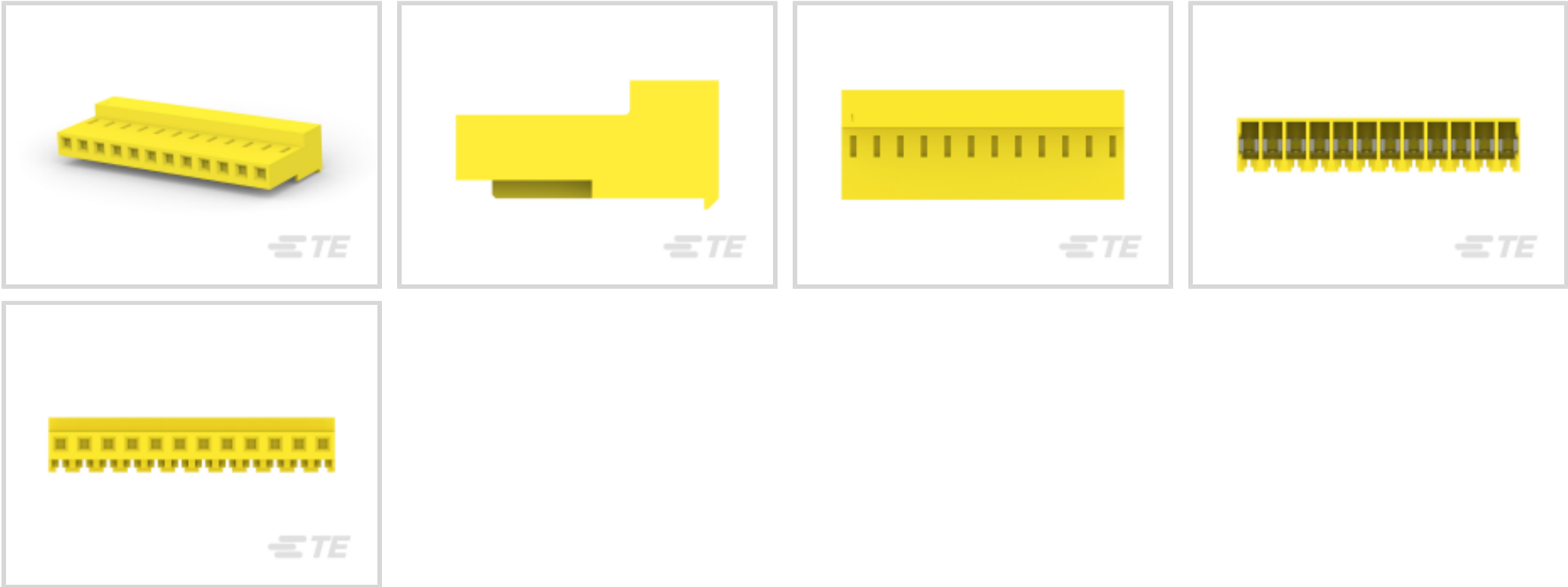
MTA 156

TE Internal #: 4-640432-2

Connector Assembly, Receptacle, Wire-to-Board, 12 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



Rectangular Power Connector Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **12**

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	12
Number of Power Positions	12
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Cable Exit Angle	90°
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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 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 µm[80 µin]
Termination Features	
Termination Method to Wire & Cable	Insulation Displacement (IDC)
Mechanical Attachment	
Strain Relief	With
Mating Retention	Without
Mating Alignment	Without
Contact Retention Type Within Housing	Locking Lance
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	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	Yellow
Housing Material	Nylon
Dimensions	
Connector Height	9.02 mm[.355 in]
Product Length	47.55 mm[1.872 in]



Compatible Insulation Diameter Range	2.41 mm[.095 in]
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Wire Size	.517 mm ²
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Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

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

Packaging Quantity	250
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Packaging Method	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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 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 # 1-640384-2 12P MTA156 HDR ASSY STR RND SN
TE Part # 1-640385-2 12P MTA156 HDR ASSY SQ R/A	TE Part # 1-640389-2 12P MTA156 HDR ASSY SQ R/A F/L	TE Part # 1-640551-2 12P MTA156 COVER	TE Part # 1-640388-2 12P MTA156 HDR ASSY RN STR F/L
TE Part # 1-644752-2 12P MTA156 HDR ASSY SQ STR F/L	TE Part # 1-640445-2 12P MTA156 HDR ASSY FL/STR SN	TE Part # 1-640383-2 12P MTA156 HDR ASSY STR SQ SN	TE Part # 1-643067-2 12P MTA156 MOLDED COVER
TE Part # 1-643071-2 12P MTA156 FD-THRU COVER	TE Part # 1-644753-2 12P MTA156 HDR ASSY RN STR F/L	TE Part # 4-644615-2 12P MTA156 POL HDR ASSY LF	TE Part # 1-640387-2 12P MTA156 HDR ASSY SQ R/A



TE Part # 3-647123-2
12P MTA156 SHRD HDR ASSY SQ SN

TE Part # 4-644617-2
12P MTA156 HDR ASY PO RA FB LF

TE Part # 58247-3
MTA 156 CRIMP HEAD PRODUCTION
RBBN CABLE

TE Part # 641876-3
12P MTA156 HDR ASSY FL STR SN

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 #640388-2
02P MTA156 HDR ASSY RN STR F/L

Documents

- Product Drawings
- 12P MTA156 CONN ASSY 20AWG YEL
- English
- CAD Files
- 3D PDF
- 3D



Customer View Model

[ENG_CVM_CVM_4-640432-2_S.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-640432-2_S.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-640432-2_S.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