



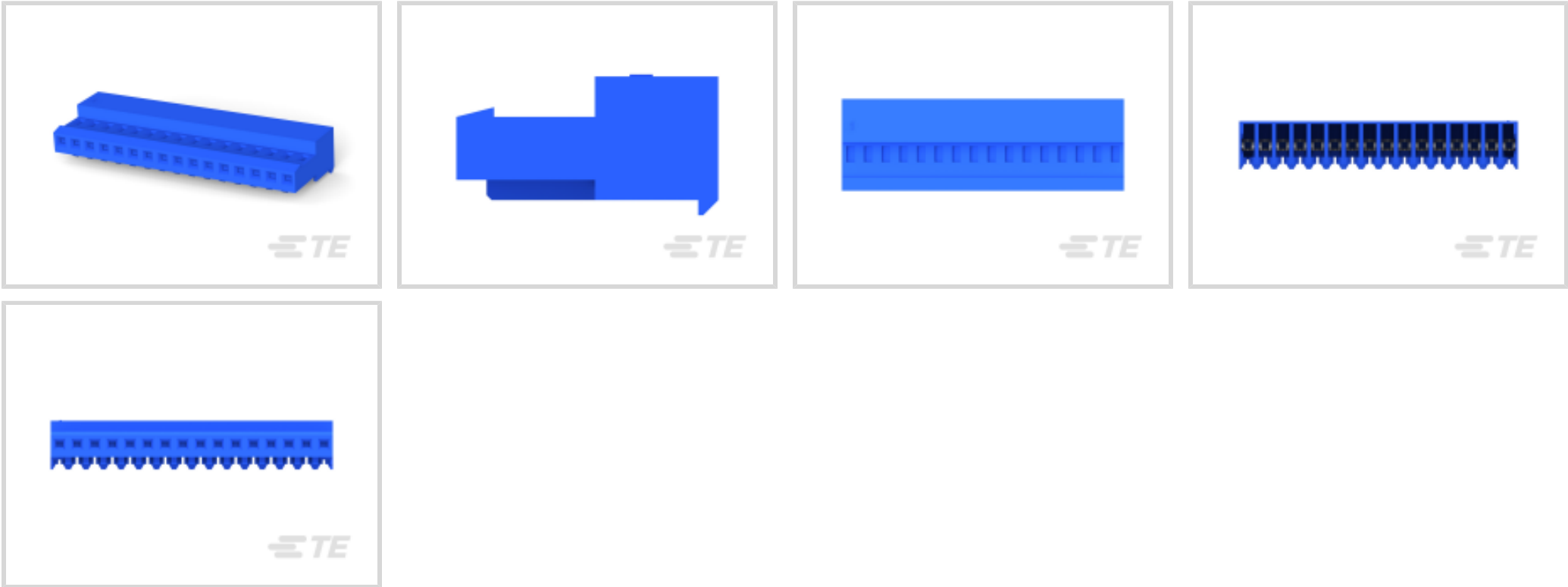
MTA 100

TE Internal #: 4-640442-6

Connector Assembly, Receptacle, Mating Retention, Insulation
Displacement (IDC), Wire-to-Board, Tin, Normal, MTA 100,
Standard Rectangular Connectors

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors > MTA Receptacle: Nylon, Tin Plated, 2.54 mm



Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

Mating Alignment: **Without**

Mating Retention: **With**

Mating Retention Type: **Locking Ramp**

[All MTA Receptacle: Nylon, Tin Plated, 2.54 mm \(167\)](#)

Features

Product Type Features

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

Configuration Features

Number of Cavities	16
Contacts Preloaded	Yes
Number of Positions	16
Number of Rows	1



Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Contact Type	Receptacle
Wire Contact Termination Area Plating Material	Tin
Contact Underplating Material	Nickel
Contact Mating Area Plating Material	Tin
Contact Retention Within Housing	With
Contact Current Rating (Max)	5 A

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
Mating Alignment	Without
Mating Retention	With
Mating Retention Type	Locking Ramp
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	Nylon 6/6
Housing Color	Blue
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Connector Height	13.21 mm[.52 in]
Product Width	6.99 mm[.275 in]
Product Length	40.64 mm[1.6 in]
Wire Size	.12 – .15 mm ²

Usage Conditions

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

Shielded	No
Circuit Application	Signal

Industry Standards



CSA Rating	LR 7189
UL Rating	Recognized
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-2

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	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



Also in the Series | MTA 100

Customers Also Bought



TE Part #1-640457-6
PCB Header: Polyester, Right Angle, Unshrouded

TE Part #4-640441-0
10P MTA100 CONN ASSY WHT

TE Part #640454-6
06P MTA100 HDR ASSY SQ STR POL

TE Part #1-640456-0
10P MTA100 HDR ASSY F/L SQ STR

TE Part #2301836-1
AMPL PLUG HD20, VERT, 37P, B/L, 4-40 S/LO

TE Part #640389-2
02P MTA156 HDR ASSY SQ R/A F/L

TE Part #2364685-1
AVH22 FLT SS MT NO LED 26A

TE Part #3-2176345-7
CRGCQ 1210 10K 1%

TE Part #4-2176345-6
CRGCQ 1210 56K 1%

Documents

Product Drawings

16P MTA100 CONN ASSY BLU

English

CAD Files

Customer View Model

ENG_CVM_CVM_4-640442-6_Y.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-640442-6_Y.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-640442-6_Y.3d_stp.zip

English

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Product Specifications



Application Specification

English

Agency Approvals

Agency Approval Document

English