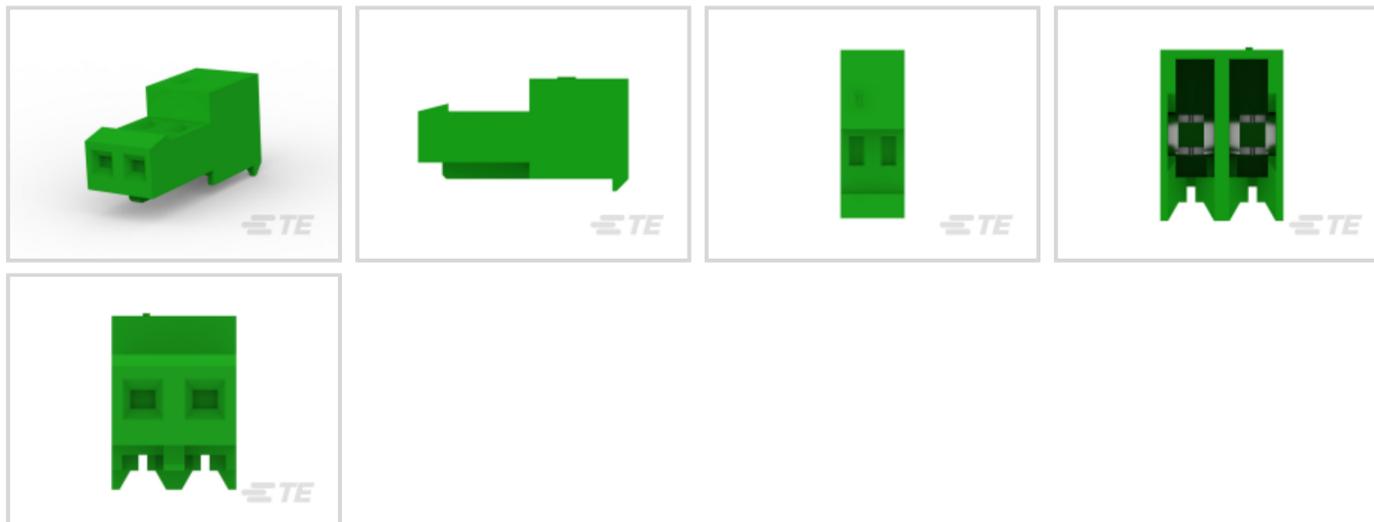# 3-640443-2 ✓ ACTIVE

MTA 100

TE Internal #: 3-640443-2

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

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 (481)

Features

Product Type Features

Product Style	Assembly
Shape	Rectangular
Wire/Cable Type	Stranded
Connector Type	Connector Assembly
Housing Type	Receptacle
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	2

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Standard Rectangular Connectors, Connector Assembly, Receptacle, Mating
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Number of Positions	2
Number of Rows	1
Panel Gasket	Without

Electrical Characteristics

Operating Voltage	250 VAC

Contact Features

Contact Type	Female
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)

Mechanical Attachment

Panel Mount	No
Contact Retention Type Within Housing	Locking Lance
Panel Mount Feature	Without
Mating Alignment	Without
Mating Retention	With
Mating Retention Type	Locking Ramp
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Width	6.99 mm[.275 in]
Height	13.21 mm[.52 in]
Length	5.08 mm[.2 in]
Wire Size	.08 – .09 mm²

Usage Conditions

3-640443-2

Standard Rectangular Connectors, Connector Assembly, Receptacle, Mating
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Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Shielded	No
Circuit Application	Signal

Industry Standards

CSA Rating	LR 7189
Agency/Standard	CSA, UL
UL Rating	Recognized
CSA File Number	LR7189
UL File Number	E28476
UL Flammability Rating	UL 94V-2

Packaging Features

Packaging Quantity	125
Packaging Method	Box & Carton

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 2022 (224) Candidate List Declared Against: JAN 2022 (223) 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

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Standard Rectangular Connectors, Connector Assembly, Receptacle, Mating
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Compatible Parts

TE Part # CAT-104MTA-NTPMP
MTA Plug: Nylon, Tin Plated, 2.54 mm, with Mating Alignment

TE Part # CAT-104MTA-PRUMH
PCB Header: Polyester, Right Angle, 2.54 mm

TE Part # CAT-104MTA-PVBRH
Polyester Vertical PCB Header: 2.54 mm, Breakaway, MTA 100

TE Part # CAT-104MTA-PVUNH
PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment

TE Part # CAT-104MTA-PRSMH
PCB Header, Right Angle, Polyester, 2.54 mm

TE Part # 640454-2
02P MTA100 HDR ASSY SQ STR POL

TE Part # CAT-104MTA-PRUSH
PCB Header: Polyester, Right Angle, Unshrouded

TE Part # 640550-2
02P MTA100 COVER

TE Part # CAT-104MTA-PVSHH
Polyester Vertical PCB Header: 2.54 mm, Shrouded, MTA 100

TE Part # CAT-104MTA-NYLCC
Nylon PCB Connector Covers: 2.54 mm, MTA 100

TE Part # CAT-104MTA-NVTHH
Nylong Vertical PCB Header: 2.54mm, Through Hole, MTA 100

TE Part # 58074-1
MTA 50/100/156 MANUAL TOOL FRAME

TE Part # 58246-1
MTA 100 CRIMP HEAD REPAIR DISCRETE

TE Part # 58579-1
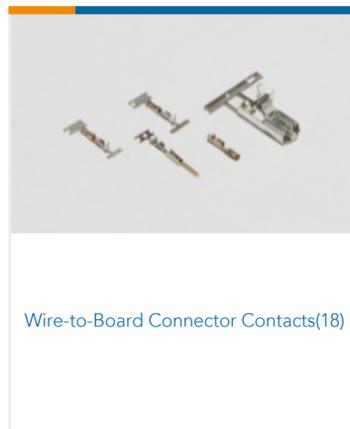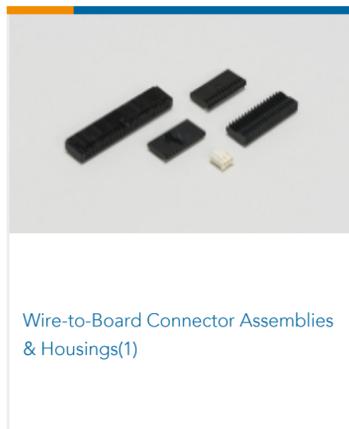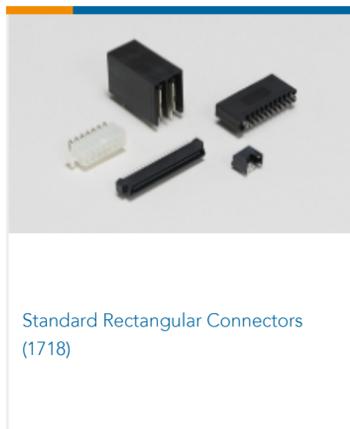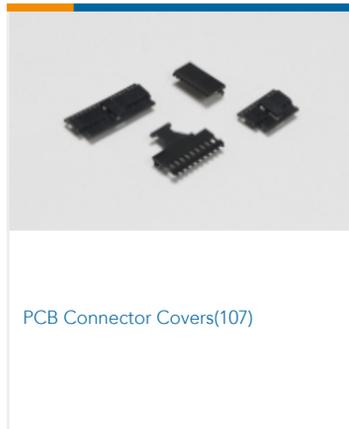MTA 100 MANUAL TOOL ASSEMBLY DISCRETE
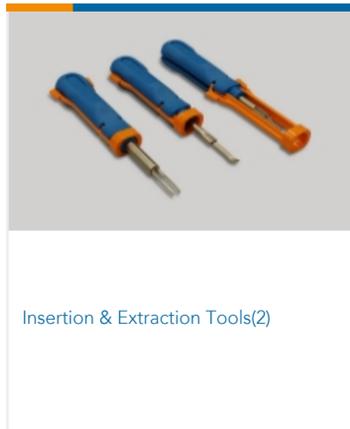
TE Part # CAT-104MTA-NVSMH
Nylon Vertical PCB Header: 2.54mm, Surface Mount, MTA 100

TE Part # 3-644694-2
02P MTA100 R/A HDR RETENTIVE

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

TE Part # 3-647051-2
02P MTA100 HRD ASSYF/L HT LF

TE Part # 58246-3
MTA 100 CRIMP HEAD PRODUCTION RBBN CABLE

TE Part # 58039-1
MTA 100 ARBOR FIXTURE DISCRETE RBN CABLE

TE Part # 58246-2
MTA 100 CRIMP HEAD PRODUCTION DISCRETE

Also in the Series | MTA 100

Insertion & Extraction Tools(2)

PCB Connector Covers(107)

PCB Connector Keying(1)

PCB Headers & Receptacles(1181)

Standard Rectangular Connectors (1718)

Wire-to-Board Connector Assemblies & Housings(1)

Wire-to-Board Connector Contacts(18)

Documents

Product Drawings
02P MTA100 CONN ASSY GRN

English

CAD Files
Customer View Model
ENG_CVM_CVM_3-640443-2_U.2d_dxf.zip

English

3D PDF

3D

Customer View Model
ENG_CVM_CVM_3-640443-2_U.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_3-640443-2_U.3d_stp.zip

English

3-640443-2

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

Datasheets & Catalog Pages

MTA, CST-100 II, SL-156 and AMP Economy Power (EP) Connectors

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_3-640443-2_0919201709_dmtec

English

MD_3-640443-2_0919201709_dmtec

English

Agency Approvals

UL Report

English