



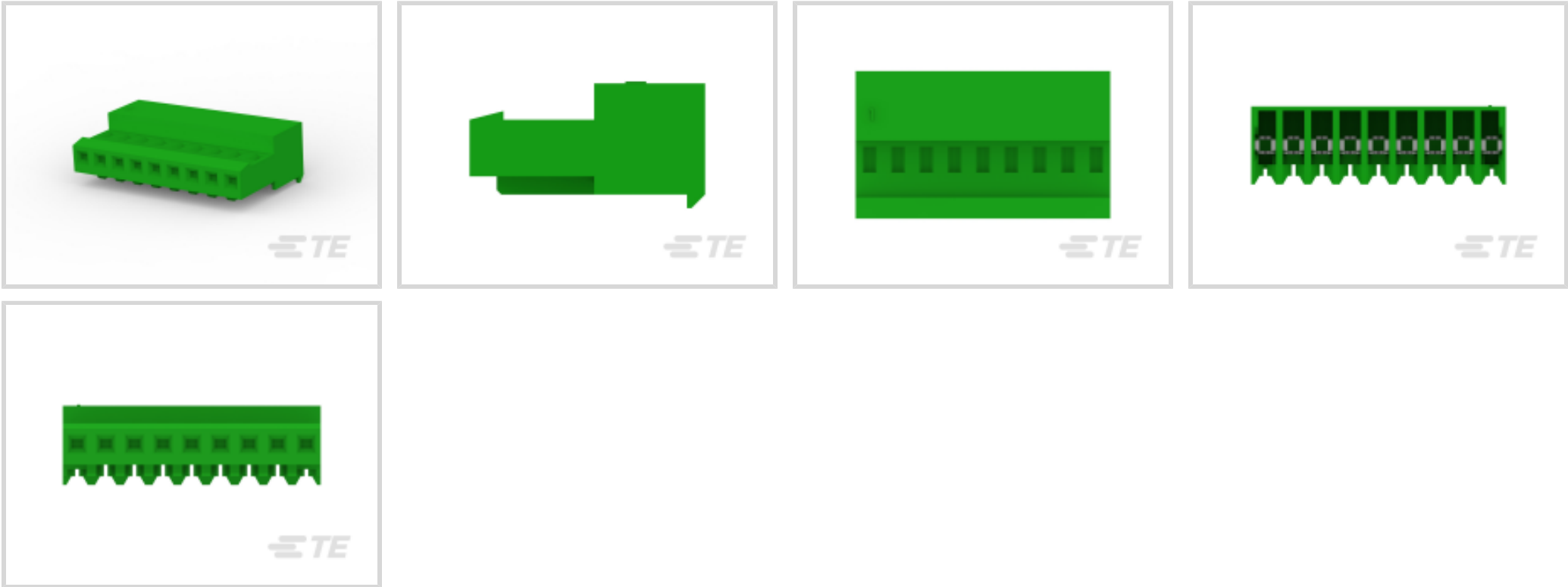
MTA 100

TE Internal #: 3-640443-9

Connector Assembly, Receptacle, Insulation Displacement (IDC),
Wire-to-Board, Tin, Normal, UL 94V-2, 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

Packaging Features

Packaging Quantity	250
Packaging Method	Box & Carton

Dimensions

Product Width	6.99 mm[.275 in]
Product Length	22.86 mm[.9 in]
Connector Height	13.21 mm[.52 in]
Wire Size	28 AWG

Housing Features

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

Configuration Features

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Number of Cavities	9
Contacts Preloaded	Yes
Number of Positions	9
Number of Rows	1

Industry Standards

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

Contact Features

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

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)

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

Termination Features

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Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Electrical Characteristics

Operating Voltage	250 VAC
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Usage Conditions

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

Shielded	No
Circuit Application	Signal

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

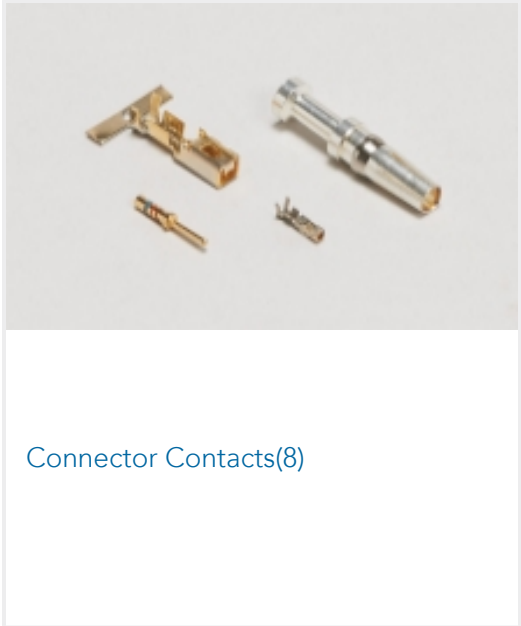
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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>

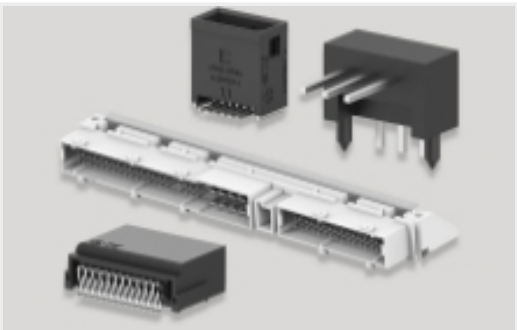


Compatible Parts

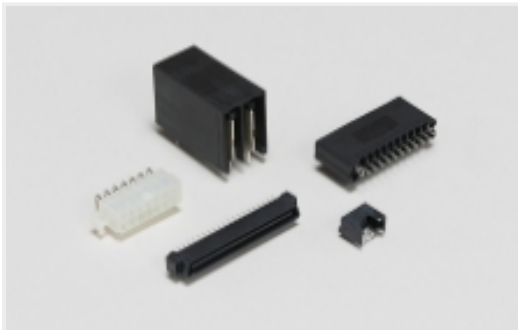
 TE Part # 640455-9 09P MTA100 HDR ASSY SQ R/A POL	 TE Part # CAT-104MTA-NYLCC Nylon PCB Connector Covers: 2.54 mm, MTA 100	 TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME	 TE Part # 58246-3 MTA 100 CRIMP HEAD PRODUCTION RBBN CABLE
 TE Part # CAT-104MTA-PVUNH PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment	 TE Part # 58579-1 MTA 100 MANUAL TOOL ASSEMBLY DISCRETE	 TE Part # 640454-9 09P MTA100 HDR ASSY SQ STR POL	 TE Part # CAT-104MTA-PVSHH Polyester Vertical PCB Header: 2.54 mm, Shrouded, MTA 100
 TE Part # 3-647166-9 09P MTA100 HDR ASSY,SM,FL,LF	 TE Part # 58246-1 MTA 100 CRIMP HEAD REPAIR DISCRETE	 TE Part # 58246-2 MTA 100 CRIMP HEAD PRODUCTION DISCRETE	 TE Part # 640550-9 09P MTA100 COVER
 TE Part # 3-644456-9 09P MTA100 HDR ASSY (NARROW)	 TE Part # CAT-104MTA-PRUSH PCB Header: Polyester, Right Angle, Unshrouded	 TE Part # 2-644488-9 09P MTA100 SHRD HDR F/L R/A SN	

Also in the Series | MTA 100

 Connector Caps & Covers(69)	 Connector Contacts(8)	 Connector Hardware(1)	 Insertion & Extraction Tools(2)
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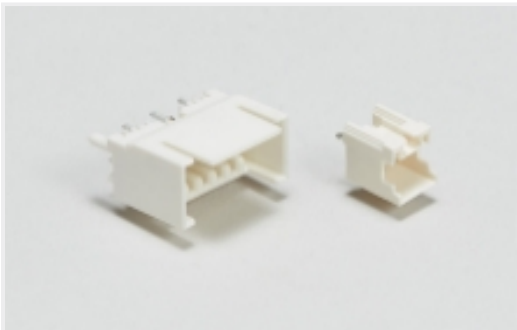
PCB Headers & Receptacles(441)



Standard Rectangular Connectors(495)



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



Wire-to-Board Headers & Receptacles (441)

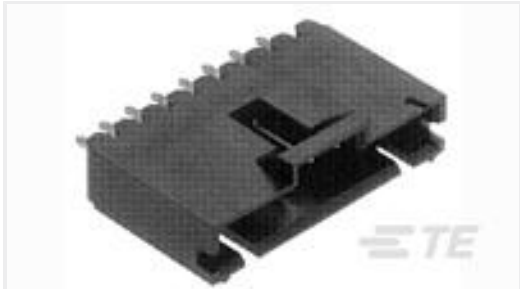
Customers Also Bought



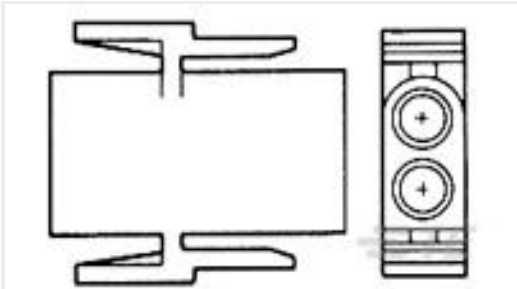
TE Part #3-6609107-3
PS0SXSS6A=C1079



TE Part #925663-1
.140 DIA SOCKET



TE Part #5-103908-5
06 MTE HDR SRST LATCH W/HLDWN



TE Part #1-350344-0
02P .140 MNL PLUG NAT



TE Part #6-1437624-1
PKG50B1/8=KNOB PLASTIC 1/8 LEX



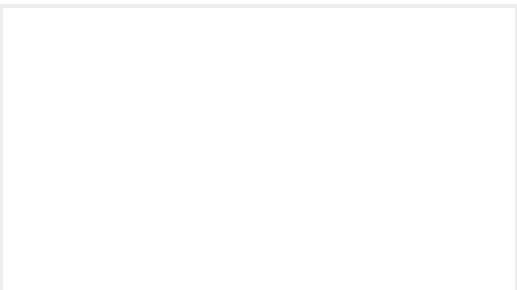
TE Part #6609021-3
2VB1=F7122 S0



TE Part #3-1658527-2
622-6441LF=FSKT IDC S 64 30AU



TE Part #TRA6927M3PBN-001
OMNI,Ph,PMT,698/1710MHz BK,, 100W,NGP



TE Part #YDL61H-12-12PNV001
HERM RECP



TE Part #673335-000
KTKK-1131

Documents

Product Drawings

09P MTA100 CONN ASSY GRN

English

CAD Files

Customer View Model

ENG_CVM_CVM_3-640443-9_U.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_3-640443-9_U.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-640443-9_U.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[Agency Approval Document](#)

English