3-640443-9 ✔ ACTIVE

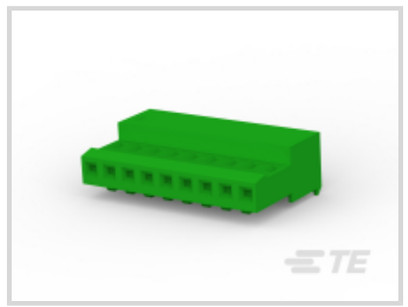
MTA 100

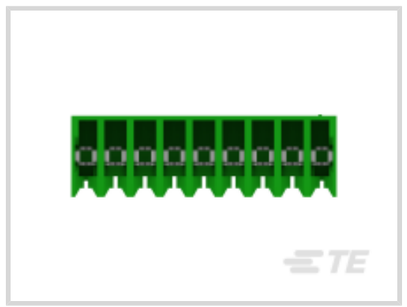
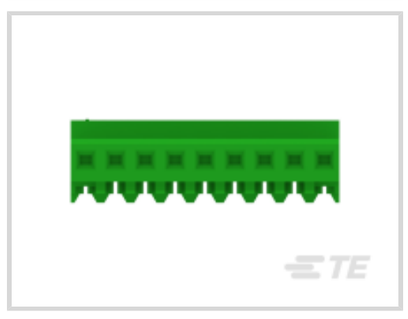
TE Internal #: 3-640443-9

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

Electrical Characteristics

Operating Voltage	250 VAC

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)

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	Green
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Connector Height	13.21 mm[.52 in]
Product Width	6.99 mm[.275 in]
Product Length	22.86 mm[.9 in]
Wire Size	.08 - .09 mm²

Usage Conditions

Operating Temperature Range	-55 - 105 °C[-67 - 221 °F]

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	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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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

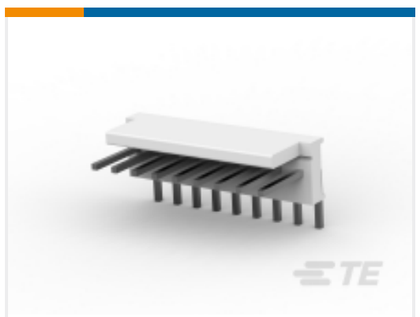
Product Compliance Disclaimer

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

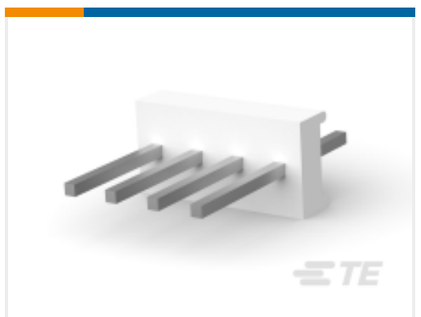
Compatible Parts



TE Part # 640454-9
09P MTA100 HDR ASSY SQ STR POL



TE Part # 640455-9
09P MTA100 HDR ASSY SQ R/A POL



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



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



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



TE Part # 3-644456-9
09P MTA100 HDR ASSY (NARROW)



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



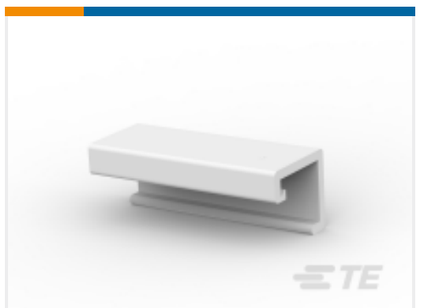
TE Part # 58074-1
MTA 50/100/156 MANUAL TOOL FRAME



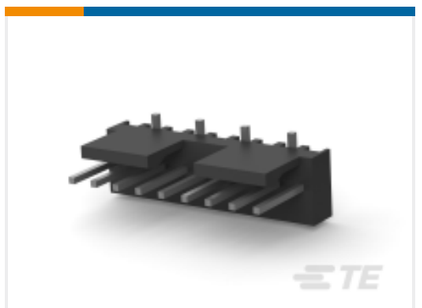
TE Part # 58579-1
MTA 100 MANUAL TOOL ASSEMBLY DISCRETE



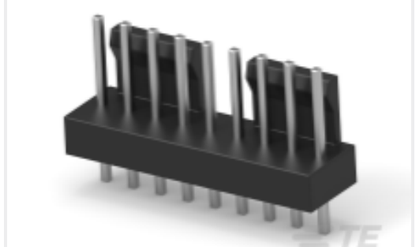
TE Part # 2-644488-9
09P MTA100 SHRD HDR F/L R/A SN



TE Part # 640550-9
09P MTA100 COVER



TE Part # 3-647166-9
09P MTA100 HDR ASSY,SM,FL,LF



TE Part # 3-647295-9
09P MTA100 HI-TEMP HDR SN TL



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



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



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

Also in the Series | MTA 100



Connector Caps & Covers(69)



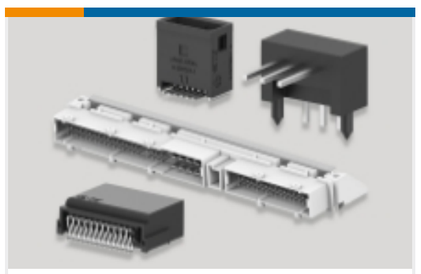
Connector Contacts(8)



Connector Hardware(1)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(440)



Standard Rectangular Connectors(495)



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

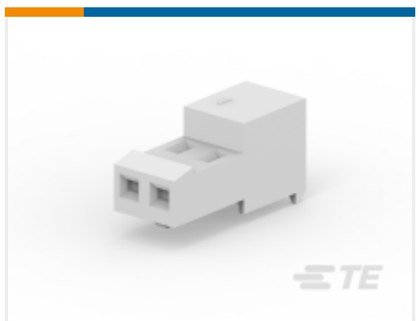
Customers Also Bought



TE Part # 5747840-3
HD-20 PLUG RA .318 FMS BD-LK 4



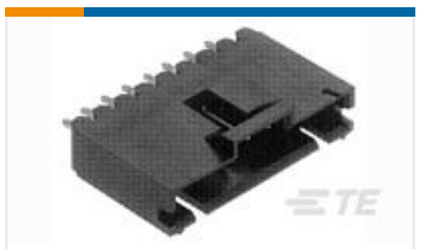
TE Part # 1-499252-3
064 STRAIN RELIEF A-L RCPT



TE Part # 3-640443-5
MTA Receptacle: Nylon, Tin Plated, 2.54 mm



TE Part # 1-5499786-0
A/L UNIV HDR 50P RA LG LAT



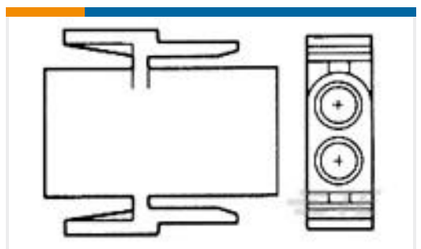
TE Part # 5-103908-5
06 MTE HDR SRST LATCH W/HLDWN



TE Part # 5-103908-6
07 MTE HDR SRST LATCH W/HLDWN



TE Part # 3-643819-9
09P MTA156 CONN ASSY 22AWG RED



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



TE Part # 1658527-4
622-1041LF FEM SOCKT,LEAD FREE

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