3-644042-2 ✔ ACTIVE

MTA 100

TE Internal #: 3-644042-2

Connector Assembly, Receptacle, Mating Alignment, Polarization Mating Alignment Type, Mating Retention, MTA 100, Standard Rectangular Connectors

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors >

Nylon Gold Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100



Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Mating Retention: **With**

All Nylon Gold Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100 (74)

Features

Product Type Features

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
Compatible With Discrete Wire Type	Stranded

Mechanical Attachment

Mating Alignment	With
Mating Alignment Type	Polarization
Mating Retention	With
Mating Retention Type	Locking Ramp

Connector Mounting Type	Cable Mount (Free-Hanging)
Contact Retention Type Within Housing	Locking Lance

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)

Operation/Application

Shielded	No
Circuit Application	Signal

Contact Features

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

Industry Standards

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

Configuration Features

Number of Positions	2
Number of Rows	1
Number of Cavities	2
Contacts Preloaded	Yes

Housing Features

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

Electrical Characteristics

Operating Voltage	250 VAC

Usage Conditions

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

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Dimensions

Product Width	13.21 mm[.52 in]
Product Length	5.08 mm[.2 in]
Connector Height	6.99 mm[.275 in]
Wire Size	22 AWG

Packaging Features

Packaging Quantity	500
Packaging Method	Bag/Box

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

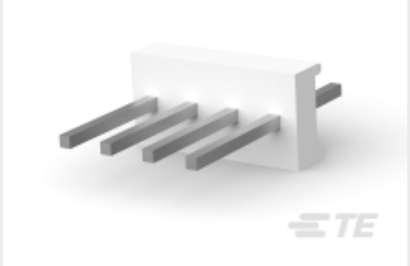
Product Compliance Disclaimer

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



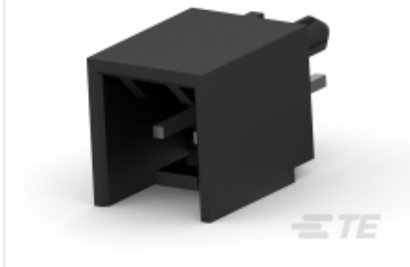
TE Part # 3-641216-2
02P MTA100 HDR ASSY FL/RA LF



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



TE Part # 640550-2
02P MTA100 COVER



TE Part # 2-644487-2
02P MTA100 SHRD HDR ASSY 30AU



TE Part # 3-641213-2
02P MTA100 HDR ASSY PO/ST LF



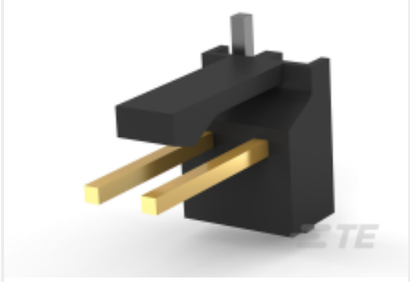
TE Part # CAT-104MTA-NYLCC
Nylon PCB Connector Covers: 2.54 mm, MTA 100



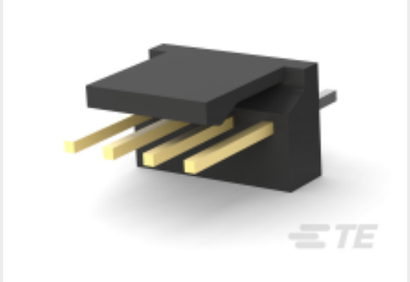
TE Part # 58074-1
MTA 50/100/156 MANUAL TOOL FRAME



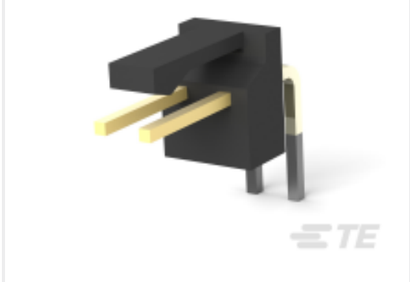
TE Part # 58579-1
MTA 100 MANUAL TOOL ASSEMBLY DISCRETE



TE Part # 3-647168-2
02P MTA100 HDR ASSY SM 30AU LF



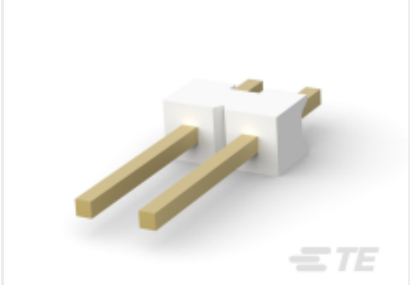
TE Part # CAT-104MTA-NVTHH
Nylong Vertical PCB Header: 2.54mm, Through Hole, MTA 100



TE Part # 3-647117-2
02P MTA100 HDR HT FL 30AU LF



TE Part # 3-641214-2
02P MTA100 HDR ASSY PO/RA LF



TE Part # 644884-2
02P MTA100 HDR ASSY,NARROW AU



TE Part # 2-644489-2
02P MTA100 SHRD HDR R/A 30AU L



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



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

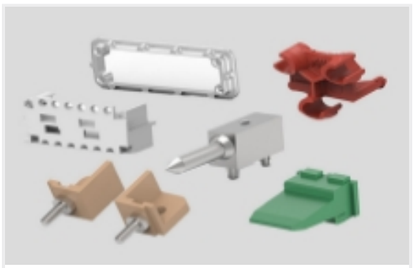
Also in the Series | MTA 100



Connector Caps & Covers(69)



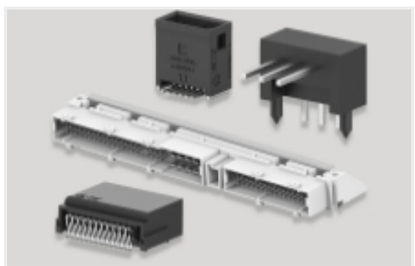
Connector Contacts(8)



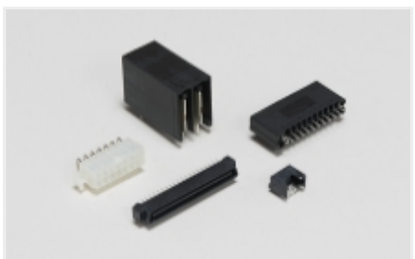
Connector Hardware(1)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(441)

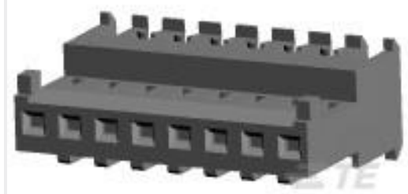


Standard Rectangular Connectors(495)

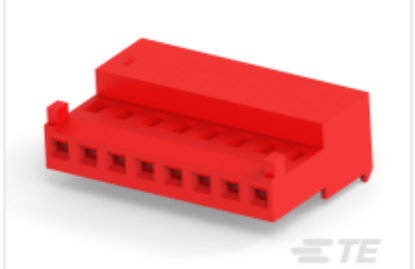


Wire-to-Board Connector Assemblies & Housings(1)

Customers Also Bought



TE Part #3-644540-8
08P MTA100 CONN ASSY F/T POL



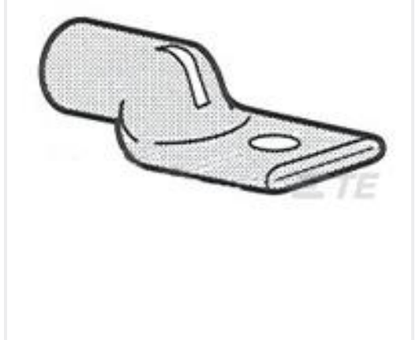
TE Part #3-644042-8
Nylon Gold Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100



TE Part #350570-2
UMNL SOK 24-18 AUBR



TE Part #3-1986744-2
BLK FRT STYLE PLUG 5.08 2 POS AU PLATED



TE Part #325705
TERMINAL,AMPOWER 250MCM 1/2

Documents

Product Drawings

02P MTA100 CONN ASSY LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-644042-2_J.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-644042-2_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-644042-2_J.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL

English