MTA 100

TE Internal #: 3-644042-2

Standard Rectangular Connectors, Connector Assembly, Receptacle, Mating Alignment, Polarization Mating Alignment

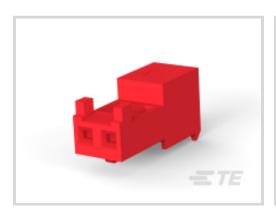
Type, Mating Retention, MTA 100

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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 (244)

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 Rewistions 2 Number of Rows 1 Panel Gasket Without Electrical Characteristics 250 VAC Contact Type 250 VAC Contact Type Female Wire Contact Termination Area Plating Material Tin Contact Mating Area Plating Material Nickol Contact Mating Area Plating Material Gold, Gold Flash over Palladium Nickel Contact Retention Within Housing With Contact Current Rating (Max) 5 A Termination Features Without I emination Method to Wire & Cable Insulation Displacement (IDC) Mechanical Attachment No Contact Retendon Type Within Housing Locking Lance Panel Mount: Feature Without Mating Alignment With Mating Alignment Type Polarization Mating Retention Type Locking Ramp Correction Mounting Type Carble Mount (Free-Harrging) Housing Features Housing Material Nylon 6/6 CenterIne (Pitch) 2.54 mm(1 in) Dimensions Width		
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 Mating Area Plating Material Nickel Contact Mating Area Plating Material Gold, Gold Flash over Palladium Nickel Contact Current Rating (Max) 5 A Termination Features Lemination Method to Wire & Cable Insulation Displacement (IDC) Mechanical Attachment Panel Mount Feature Within Housing Locking Lance Panel Mount Feature Within Housing Locking Lance Panel Mount Feature Without Mating Alignment Type Within Housing Locking Lance Panel Mount Feature With Mating Alignment Type Polarization Mating Recention Type Locking Ramp Connector Mounting Type Locking Ramp Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Llousing Color Red Housing Material Nylon 6/6 Cententine (Pitch) 2,54 mm [1 in] Dimensions Width 13.21 mm [52 in] Height 6,99 mm [275 in]	Number of Cavities	2
Panel Gasket Without Electrical Characteristics Operating Voltage Z50 VAC Contact Features Contact Type Female Wire Contact Termination Area Plating Material Tin Contact Mating Area Plating Material Nickel Contact Mating Area Plating Material Goid, Gold Flash over Palladium Nickel Contact Retention Within Llousing 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 With Mating Alignment Type Polarization Mating Retention Type Locking Ramp Connector Mounting Type Locking Ramp Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Features Housing Color Rec Housing Material Nylon 6/6 Centerline (Pitch) 2.54 mm[.11 in] Dimensions Width 13.21 mm[.52 in] Height 6.99 mm[.275 in]	Number of Positions	2
Electrical Characteristics Operating Voltage 250 VAC Contact Features Contact Type Female Wire Contact Termination Area Plating Material Contact Underplating Material Contact Mating Area Plating Material Contact Mating Area Plating Material 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 Mating Alignment With Mating Alignment Type Polarization Mating Retention With Mating Retention Type Locking Ramp Cornector Mounting Type Locking Ramp Cornector Mounting Type Locking Mount (Free-Hanging) Housing Features Housing Color Red Housing Material Nylon 6/6 Centerline (Pitch) Dimensions Width 13.21 mm [52 in] Lieight 6.99 mm [275 in]	Number of Rows	1
Contact Features Contact Type Female Wire Contact Lemination Area Plating Material Contact Underplating Material Contact Underplating Material Contact Mating Area Plating Material Contact Mating Area Plating Material Contact Retention Within Flousing With Contact Current Rating (Max) 5 A Termination Features Termination Method to Wire & Cable Insulation Displacement (IDC) Mechanical Attachment Panel Mount Panel Mount Panel Mount Feature Without Mating Alignment With Mating Alignment Type Polarization Mating Retention Mating Retention Type Locking Ramp Connector Mounting Type Connector Mounting Type Cable Mount (Free Hanging) Housing Features Housing Features Housing Features Housing Material Nylon 6/6 Centerline (Pitch) Dimensions Width 13.21 mm[.52 in] Height 6.99 mm[.275 in]	Panel Gasket	Without
Contact Features Contact Type Wire Contact Termination Area Plating Material Contact Underplating Material Contact Underplating Material Contact Mating Area Plating Material Contact Retention Within Housing With Contact Current Rating (Max) 5 A Termination Features I ermination Method to Wire & Cable Insulation Displacement (IDC) Mechanical Attachment Panel Mount Contact Retention Type Within Housing Locking Lance Panel Mount Feature Without Mating Alignment With Mating Alignment Type Polarization Mating Retention Type I ocking Ramp Connector Mounting Type Connector Mounting Type Cable Mount (Free Hanging) Housing Features Housing Color Red I lousing Material Nylon 6/6 Centerline (Pitch) Dimensions Width 13.21 mm(.52 in] Height 6.99 mm(.52 in]	Electrical Characteristics	
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Wire Contact Termination Area Plating Material Contact Underplating Material Contact Mating Area Plating Material 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 Contact Retention Type Within Housing Locking Lance Panel Mount Feature Without Mating Alignment With Mating Alignment Type Polarization With Mating Retention Type Locking Ramp Connector Mounting Type Locking Ramp Connector Mounting Type Housing Features Housing Color Red Housing Material Nylon 6/6 Centerline (Pitch) Dimensions Width 13,21 mm(52 in) Height A99 mm(275 in)	Contact Features	
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Contact Mating Area Plating Material Gold, Gold Flash over Palladium Nickel 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 Parel Mount Feature Without Mating Alignment With Mating Alignment Type Polarization Mating Retention Mating Retention Type Locking Ramp Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Color Red Housing Material Nylon 6/6 Centerline (Pitch) 2.54 mm[.1 in] Dimensions Width 13.21 mm[.52 in] Height 6.99 mm[.275 in]	Wire Contact Termination Area Plating Material	Tin
Contact Retention Within Housing Contact Current Rating (Max) Termination Features Termination Method to Wire & Cable Insulation Displacement (IDC) Mechanical Attachment Panel Mount Panel Mount Contact Retention Type Within Housing Panel Mount Feature Without Mating Alignment With Mating Alignment Type Polarization Mating Retention With Mating Retention Type Connector Mounting Type Connector Mounting Type Housing Features Housing Color Housing Material Nylon 6/6 Centerline (Pitch) Dimensions Width 13.21 mm[.52 in] Height 6.99 mm[.275 in]	Contact Underplating Material	Nickel
Contact Current Rating (Max) Termination Features Termination Method to Wire & Cable Mechanical Attachment Panel Mount Contact Retention Type Within Housing Locking Lance Panel Mount Feature Without Mating Alignment Mating Alignment Type Mating Retention Mating Retention Mating Retention Type Connector Mounting Type Connector Mounting Type Housing Features Housing Color Red Housing Material Nylon 6/6 Centerline (Pitch) Dimensions Width 13.21 mm[.52 in] Height	Contact Mating Area Plating Material	Gold, Gold Flash over Palladium Nickel
Termination Features Termination Method to Wire & Cable Mechanical Attachment Panel Mount Panel Mount Contact Retention Type Within Housing Panel Mount Feature Mithout Mating Alignment Mating Alignment Type Mating Retention Type Connector Mounting Type Connector Mounting Type Connector Mounting Type Housing Features Housing Color Red Housing Material Nylon 6/6 Centerline (Pitch) Dimensions Width 13.21 mm[.52 in] Height	Contact Retention Within Housing	With
Termination Method to Wire & Cable Mechanical Attachment Panel Mount Contact Retention Type Within Housing Panel Mount Feature Mating Alignment Mating Alignment Type Mating Retention Mating Retention Type Connector Mounting Type Connector Mounting Type Housing Features Housing Color Red Housing Material Nylon 6/6 Centerline (Pitch) Dimensions Widh Insulation Displacement (IDC) No No Coking Lance Without With Mouting Lance With Locking Lance With Locking Ramp Coalle Mount (Free-Hanging) Housing Retention Type Cable Mount (Free-Hanging) Housing Features Housing Color Red Housing Material Nylon 6/6 Centerline (Pitch) Dimensions Width 13.21 mm[.52 in] Height	Contact Current Rating (Max)	5 A
Mechanical Attachment Panel Mount No Contact Retention Type Within Housing Locking Lance Panel Mount Feature Without Mating Alignment With Mating Alignment Type Polarization Mating Retention With Mating Retention Type Locking Ramp Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material Housing Material Nylon 6/6 Centerline (Pitch) 2.54 mm[.1 in] Dimensions Width 13.21 mm[.52 in] Height 6.99 mm[.275 in]	Termination Features	
Panel Mount Contact Retention Type Within Housing Locking Lance Panel Mount Feature Without Mating Alignment With Mating Alignment Type Polarization Mating Retention With Mating Retention Type Locking Ramp Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Color Red Housing Material Nylon 6/6 Centerline (Pitch) Dimensions Widh 13.21 mm[.52 in] Height	Termination Method to Wire & Cable	Insulation Displacement (IDC)
Contact Retention Type Within Housing Panel Mount Feature Without Mating Alignment Mating Alignment Type Polarization Mating Retention Mating Retention Type Locking Ramp Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Color Red Housing Material Nylon 6/6 Centerline (Pitch) Dimensions Width 13.21 mm[.52 in] Height	Mechanical Attachment	
Panel Mount Feature Mating Alignment With Mating Alignment Type Polarization With Mating Retention With Mating Retention Type Locking Ramp Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Color Red Housing Material Nylon 6/6 Centerline (Pitch) Dimensions Width 13.21 mm[.52 in] Height	Panel Mount	No
Mating Alignment Type Polarization Mating Retention With Mating Retention Type Locking Ramp Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Color Red Housing Material Nylon 6/6 Centerline (Pitch) 2.54 mm[.1 in] Dimensions Width 13.21 mm[.52 in] Height 6.99 mm[.275 in]	Contact Retention Type Within Housing	Locking Lance
Mating Alignment Type Mating Retention With Mating Retention Type Locking Ramp Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Color Red Housing Material Nylon 6/6 Centerline (Pitch) Dimensions Width 13.21 mm[.52 in] Height	Panel Mount Feature	Without
Mating Retention Type Locking Ramp Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Color Red Housing Material Nylon 6/6 Centerline (Pitch) 2.54 mm[.1 in] Dimensions Width 13.21 mm[.52 in] Height 6.99 mm[.275 in]	Mating Alignment	With
Mating Retention Type Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Color Red Housing Material Nylon 6/6 Centerline (Pitch) Dimensions Width 13.21 mm[.52 in] Height 6.99 mm[.275 in]	Mating Alignment Type	Polarization
Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Color Red Housing Material Nylon 6/6 Centerline (Pitch) 2.54 mm[.1 in] Dimensions Width 13.21 mm[.52 in] Height 6.99 mm[.275 in]	Mating Retention	With
Housing Features Housing Color Red Housing Material Nylon 6/6 Centerline (Pitch) 2.54 mm[.1 in] Dimensions Width 13.21 mm[.52 in] Height 6.99 mm[.275 in]	Mating Retention Type	Locking Ramp
Housing Color Red Housing Material Nylon 6/6 Centerline (Pitch) 2.54 mm[.1 in] Dimensions Width 13.21 mm[.52 in] Height 6.99 mm[.275 in]	Connector Mounting Type	Cable Mount (Free-Hanging)
Housing Material Centerline (Pitch) Dimensions Width 13.21 mm[.52 in] Height 6.99 mm[.275 in]	Housing Features	
Centerline (Pitch) 2.54 mm[.1 in] Dimensions 13.21 mm[.52 in] Height 6.99 mm[.275 in]	Housing Color	Red
Dimensions Width 13.21 mm[.52 in] Height 6.99 mm[.275 in]	Housing Material	Nylon 6/6
Width 13.21 mm[.52 in] Height 6.99 mm[.275 in]	Centerline (Pitch)	2.54 mm[.1 in]
Height 6.99 mm[.275 in]	Dimensions	
	Width	13.21 mm[.52 in]
Length 5.08 mm[.2 in]	Height	6.99 mm[.275 in]
	Length	5.08 mm[.2 in]



Wire Size	$.34 \text{ mm}^2$
Usage Conditions	
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	LR 7189
UL File Number	E28476
UL Flammability Rating	UL 94V-2
Packaging Features	
Packaging Quantity	500

Product Compliance

Packaging Method

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: JUL 2021 (219) 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

Bag/Box

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 # 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-PVUMH
PCB Header: Polyester, Vertical, 2.54



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



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



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



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 # 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



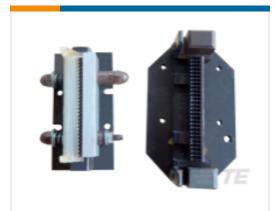
mm, Breakaway, MTA 100

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



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



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





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 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

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



By downloading the CAD file I accept and agree to the **Terms and Conditions** of use

Datasheets & Catalog Pages

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

English

Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Agency Approvals

CSA Certificate

English