

MTC100-BJ2-P22 ✓ ACTIVE

RAYCHEM | RAYCHEM MTC100

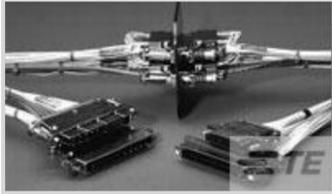
TE Internal #: 506039-000

Standard Rectangular Connectors, Connector Assembly, Receptacle, Mating Alignment, Keyed Mating Alignment Type, Mating Retention, RAYCHEM MTC100

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Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

Mating Alignment: **With**

Mating Alignment Type: **Keyed**

Mating Retention: **With**

Features

Product Type Features

Shell Size	50.8 [2]
Boxmount	Yes
Housing Type	Stacking Hole
Connector Product Type	Connector Assembly
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Insertion Force Type	Normal
Sealable	Yes
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Right Angle
Number of Positions	40
Number of Rows	2
Panel Gasket	Without

Electrical Characteristics

Operating Voltage	954 VDC
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Body Features

Shell Plating Material	Nickel
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Contact Features

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

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Mating Hardware	Quick Disconnect
Flange	Without
Mating Alignment	With
Mating Alignment Type	Keyed
Mating Retention	With
Mating Retention Type	JackscREW
Connector Mounting Type	Panel Mount

Housing Features

	.099 in
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Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
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Usage Conditions

Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]
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Operation/Application

Option	Short Post
Shielded	No
Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Box
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Product Compliance



[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	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) SVHC > Threshold: Pb (1.1% in COMPONENT PART 13 /CONTACT) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Wave solder capable to 265°C

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>

Also in the Series | **RAYCHEM MTC100**



Heat Shrink Tubing(10)



Rectangular Connector Housings(8)



Rectangular Contact Inserts(34)



Standard Rectangular Connectors(33)

Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)



Customer View Model

[ENG_CVM_CVM_506039-000_V.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_506039-000_V.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_506039-000_V.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[Products for Aerospace and Defense](#)

English

Product Specifications

[MTC Connectors with Fixed Contacts](#)

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