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RF Interface: **MCX**

RF Connector Style: **Jack**

RF Connector Mated Outer Diameter (Approximate): **3.48 mm [ .137 in ]**

Impedance: **50 Ω**

RF Connector Coupling Mechanism: **Snap-On**

[All MCX Connector: Jack, Vertical, 50 Ohm \(7\)](#)

## Features

### Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Connector Shape                   | Circular              |
| RF Interface                      | MCX                   |
| RF Connector Style                | Jack                  |
| Connector System                  | Cable-to-Board        |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |

### Configuration Features

|                            |          |
|----------------------------|----------|
| PCB Mount Orientation      | Vertical |
| Number of Positions        | 1        |
| Number of Coaxial Contacts | 1        |

### Electrical Characteristics

|           |      |
|-----------|------|
| Impedance | 50 Ω |
|-----------|------|

### Body Features

|  |  |
|--|--|
|  |  |
|--|--|

|                       |        |
|-----------------------|--------|
| Body Material         | Brass  |
| Body Material Finish  | Plated |
| Body Plating Material | Nickel |

#### Contact Features

|   |                  |
|---|------------------|
| RF Connector Center Contact Underplating Material | Copper, Nickel   |
|   | 1397 $\mu$ m     |
| RF Connector Center Contact Plating Material      | Gold             |
| RF Connector Center Contact Material              | Beryllium Copper |

#### Termination Features

|   |                       |
|---|-----------------------|
| Termination Post & Tail Length              | 3.94 mm[.155 in]      |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

#### Mechanical Attachment

|                                 |             |
|---------------------------------|-------------|
| PCB Mount Retention             | Without     |
| RF Connector Coupling Mechanism | Snap-On     |
| Connector Mounting Type         | Board Mount |
| Detent                          | Without     |

#### Dimensions

|   |                  |
|---|------------------|
| Profile Height from PCB                         | 5.36 mm[.211 in] |
| RF Connector Mated Outer Diameter (Approximate) | 3.48 mm[.137 in] |

#### Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -65 – 165 °C[-85 – 329 °F] |
|-----------------------------|----------------------------|

#### Operation/Application

|                     |       |
|---------------------|-------|
| Operating Frequency | 6 GHz |
|---------------------|-------|

#### Packaging Features

|                  |         |
|------------------|---------|
| Packaging Method | Package |
|------------------|---------|

#### Other

|                     |                  |
|---------------------|------------------|
| Dielectric Material | TFE Fluorocarbon |
|---------------------|------------------|

#### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

|                              |                           |
|------------------------------|---------------------------|
| EU RoHS Directive 2011/65/EU | Compliant with Exemptions |
| EU ELV Directive 2000/53/EC  | Compliant with Exemptions |



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: JUL 2021 (219)

SVHC &gt; Threshold:

Pb (3.7% in Component Part)

**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

Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free

Solder Process Capability

Pin-in-Paste capable to 260°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>

## Documents

### Product Drawings

[5862 5003 10,OSX PCB JACK RECP](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1060989-1\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1060989-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1060989-1\\_A.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.



[Datasheets & Catalog Pages](#)

[MCX Connectors](#)

English