

MCX Jack Connector Solder Attachment .042 inch End Launch PCB



**RFPCB-MCX-FS-6G-120**

**Configuration**

- MCX Jack Connector
- MIL-C-39012
- 50 Ohms
- Straight Body Geometry
- .042 inch End Launch Interface Type
- Solder Attachment

**Features**

- Max. Operating Frequency 6 GHz
- Gold over Nickel Plated Beryllium Copper Contact
- 30 µin minimum contact plating

**Applications**

- General Purpose Test
- PCB Applications

**Description**

RFPCB-MCX-FS-6G-120 MCX jack PCB connector available from L-com has a 50 Ohm impedance. This RF connector has a .042 inch End Launch connector mount interface and is designed for a wide variety of Printed-Circuit Board (PCB) applications in RF and microwave systems. This MCX jack connector uses solder as an attachment method. Our jack MCX PCB connector provides a maximum frequency of 6 GHz. The SMC connector is available in a 0.33-inch length and 0.25-inch width.

The L-com MCX jack PCB connector has a PTFE dielectric type. This MCX PCB connector has a Beryllium Copper body with Gold over Nickel plating. Our RFPCB-MCX-FS-6G-120 SMC connector uses brass contacts and Gold over Nickel plating material.

This L-com MCX jack connector will ship the same day as purchased. Our MCX jack connector is part of over 40,000 RF, microwave, and millimeter wave components in stock for worldwide shipment. We also build MCX custom connector cable assemblies that will ship the same day as well.

The MCX jack connector with 50 Ohm impedance has a weight of 0.003 lbs. This Push-on RF connector has a high quality construction. The jack coaxial connector is capable of operating at temperatures ranging from -65 deg C to 165 deg C. We currently have a variety of antenna, audio/video, Ethernet, fiber optic, and USB connectors in our portfolio that are ready to ship today. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the high-quality RF that meets your requirements.

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
High Potential Voltage			600	Vrms
	at 4 and 7 MHz			
@@Corona Discharge			250	Vrms
	at 70,000 feet			
Insulation Resistance	10,000			MOhms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[MCX Jack Connector Solder Attachment .042 inch End Launch PCB RFPCB-MCX-FS-6G-120](#)

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**Mechanical Specifications**

**Size**

Length	0.336in	[8.53mm]
Width/Dia.	0.25in	[6.35mm]
Height	0.25in	[6.35mm]
Weight	0.003lbs	[1.36g]
Mating Cycles	500Cycles	

**Material Specifications**

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel 30 µin minimum
Insulation	PTFE	
Body	Brass	Gold over Nickel 10 µin minimum

**Environmental Specifications**

**Temperature**

Operating Range	-65deg C to +165deg C
Humidity	MIL-STD-202, Method 106
Shock	MIL-STD-202, Method 213, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Thermal Shock	MIL-STD-202, Method 107, Condition F
Salt Spray	MIL-STD-202, Method 101, Condition B

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## RFPCB-MCX-FS-6G-120

**Compliance Certifications** (see [product page](#) for current document)

### Plotted and Other Data

MCX Jack Connector Solder Attachment .042 inch End Launch PCB from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components. Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: MCX Jack Connector Solder Attachment .042 inch End Launch PCB RFPCB-MCX-FS-6G-120

URL: <https://www.l-com.com/mcx-jack-connector-solder-attachment-.042-inch-end-launch-pcb-rfpcb-mcx-fs-6g-120-p.aspx>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document. The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

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## L-com CAD Drawing

