



MCX-J-P-H-RA-TH1



MCX-P-P-H-ST-TH2

**MCX SERIES**

# 50Ω MCX MINI JACKS & PLUGS

**Mates with:**  
RF174, RF316, RF178,  
RS316, GRF1H-C

**SPECIFICATIONS**

For complete specifications and recommended PCB layouts see [www.samtec.com?MCX-TH](http://www.samtec.com?MCX-TH), [www.samtec.com?MCX-SM](http://www.samtec.com?MCX-SM), [www.samtec.com?MCX-EM](http://www.samtec.com?MCX-EM) or [www.samtec.com?MCX-MT](http://www.samtec.com?MCX-MT)

**Insulator Material:**  
PTFE

**Contact Material:**  
BeCu, Brass (-P-TH)

**Shell Material:**  
Brass

**Operating Temp Range:**  
-65°C to +125°C

**Insulation Resistance:**  
1000MΩ min

**Contact Resistance:**  
Center: 5mΩ max  
Outer: 2.5mΩ max

**Impedance:**  
50Ω

**V.S.W.R.:**  
1.3 max (-ST)  
1.5 max (-RA)

**Dielectric Withstanding Voltage:**  
1000 Vrms min, 50Hz

**Dielectric Working Voltage:**  
335 Vrms max

**Frequency Range:**  
0-6 GHz

**RoHS Compliant:**  
Yes

**Processing:**  
Lead-Free Solderable:  
Yes

MCX	GENDER	TYPE	PLATING	ORIENTATION	TERMINATION
	<b>-J</b> = Jack	<b>-P</b> = PCB Mount	<b>-H</b> = 30μ" (0.76 μm) Gold center contact, 3μ" (0.08 μm) Gold outer contact	<b>-RA</b> = Right Angle <b>-ST</b> = Straight	<b>-TH1</b> = Through-hole <b>-SM1</b> = Surface Mount <b>-EM1</b> = Edge Mount (-ST only) <b>-MT1</b> = Mixed Technology (-ST only)

MCX	GENDER	TYPE	PLATING	ORIENTATION	TERMINATION
	<b>-P</b> = Plug	<b>-P</b> = PCB Mount	<b>-H</b> = 30μ" (0.76 μm) Gold center contact, 3μ" (0.08 μm) Gold outer contact	<b>-RA</b> = Right Angle <b>-ST</b> = Straight	<b>-TH1</b> = Through-hole (-RA only) <b>-TH2</b> = Elevated Through-hole (-ST only)

**Note:** 75Ω version available. See MCX7 Series.