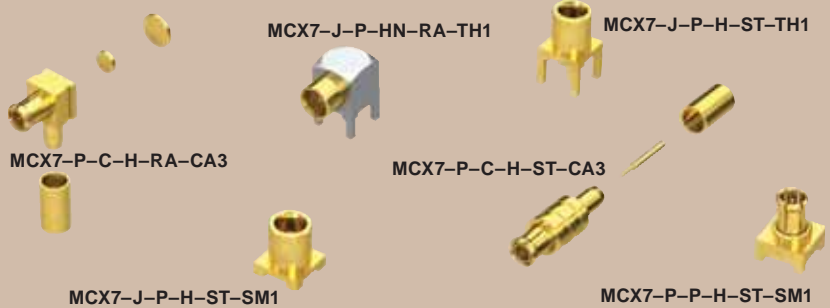




MCX7 SERIES



75Ω OPTIMIZED MCX JACKS & PLUGS

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?MCX7-SM or www.samtec.com?MCX7-TH

Shell Material: Brass
Contact Material: BeCu
Insulator Material: PTFE
Impedance: ST = 75Ω ±3Ω
 RA = 75Ω ±4Ω
Frequency Range: 0-6 GHz
V.S.W.R: 1.3 max (With optimized launch design)
Working Voltage: 170 Vrms max
Dielectric Withstanding: 500 Vrms min
Contact Resistance: Center Contact: 5mΩ max
 Outer Contact: 2.5mΩ max
Insulator Resistance: 1000 MΩ min
Engagement Force: 4.5 lbs max (-ST only)
Disengagement Force: 2.3 lbs max (-ST only)
Operating Temperature: -65°C to +125°C
RoHS Compliant: Yes
Processing: Lead-Free Solderable: Yes

MCX7	GENDER	TYPE	PLATING	ORIENTATION	TERMINATION
Mates with: RF179, GRF7H-C	-P = Plug -J = Jack	-P = PCB Mount	-H = 30μ" (0,76 μm) Gold center contact, 3μ" (0,08 μm) Gold outer contact -HN = 30μ" (0,76 μm) Gold center contact, 3μ" (0,08 μm) Gold outer contact, 100μ" (2,54 μm) Nickel body (Available on -RA only)	-ST = Straight -RA = Right Angle (-J-TH1 only)	-SM1 = Surface Mount (-ST only) -TH1 = Through-hole (-J only)

SPECIFICATIONS

For complete specifications and assembly instructions see www.samtec.com?MCX7-CA

Contact Material: Brass
Finger Shell Material: BeCu
Body Material: Brass
Insulator Material: PTFE
Center Contact: Soldered
Outer Ferrule: Crimped
Impedance: 75Ω
Frequency Range: 0-6 GHz (-ST)
 0-4.5 GHz (-RA)
V.S.W.R: 1.3 max
Working Voltage: 170 Vrms max
Dielectric Withstanding: 500 Vrms min
Contact Resistance: Center Contact: 5mΩ max
 Outer Contact: 2.5mΩ max
Insulator Resistance: 1,000 MΩ min
Operating Temperature: -65°C to +125°C

MCX7	GENDER	TYPE	PLATING	ORIENTATION	TERMINATION
	-P = Plug	-C = Cable	-H = 30μ" (0,76 μm) Gold center contact, 3μ" (0,08 μm) Gold outer contact -HN = 30μ" (0,76 μm) Gold center contact, 3μ" (0,08 μm) Gold outer contact, 100μ" (2,54 μm) Nickel body	-ST = Straight -RA = Right Angle	-CA3 = RG 179 Cable

Supplied with pins and ferrules. See website for dimensions.

Due to technical progress, all designs, specifications and components are subject to change without notice.