

MCX7 SERIES

75 Ω 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 = 75 Ω ±3 Ω, RA = 75 Ω ±4 Ω
- Frequency Range:** 0-6 GHz
- Working Voltage:** 170 Vrms max
- Dielectric Withstanding:** 500 Vrms 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

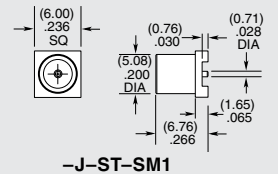
- P = Plug
- J = Jack

- P = PCB Mount

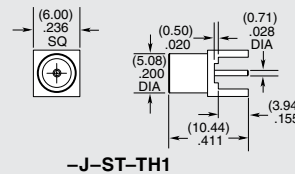
- H = 30 μ" (0.76 μm) Gold center contact, 3 μ" (0.08 μm) Gold outer contact

- ST = Straight
- RA = Right-angle (-J-TH1 only)

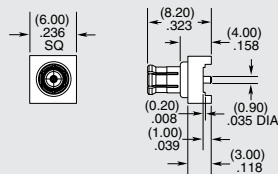
- SM1 = Surface Mount (-ST only)
- TH1 = Through-hole (-J only)



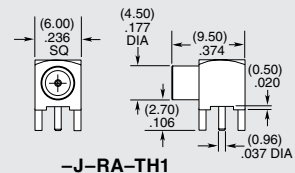
-J-ST-SM1



-J-ST-TH1



-P-ST-SM1



-J-RA-TH1

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:** 75 Ω
- Frequency Range:** 0-6 GHz (-ST), 0-4.5 GHz (-RA)
- Working Voltage:** 170 Vrms max
- Dielectric Withstanding:** 500 Vrms min
- Operating Temperature:** -65 °C to +125 °C

MCX7

GENDER

TYPE

PLATING

ORIENTATION

TERMINATION

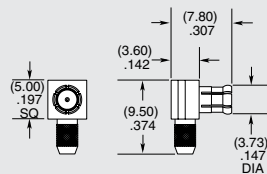
- P = Plug

- C = Cable

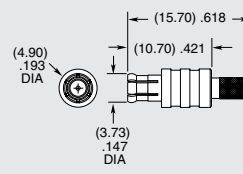
- H = 30 μ" (0.76 μm) Gold center contact, 3 μ" (0.08 μm) Gold outer contact

- ST = Straight
- RA = Right-angle

- CA3 = RG 179 Cable



-P-RA



-P-ST

Supplied with pins and ferrules. See website for dimensions.

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