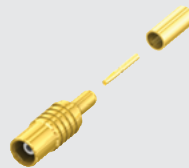


MMCX-P-C-H-RA-CA2



MCX-J-C-H-ST-CA1



MCX-P-C-H-RA-CA1



**MMCX-CA, MCX-CA SERIES**

# 50Ω MMCX & MCX COMPONENTS

**SPECIFICATIONS**

For complete specifications and assembly instructions see [www.samtec.com?MMCX-CA](http://www.samtec.com?MMCX-CA)

- Shell Material:** Brass
- Insulator Material:** PTFE
- Lead, Contact Socket and Outer Conductor Material:** BeCu with Au plating
- Center Contact:** Soldered
- Outer Ferrule:** Crimped
- Operating Temp Range:** -65°C to +125°C
- Insulation Resistance:** 1,000MΩ min
- Contact Resistance:** Center: 5mΩ Outer: 2.5mΩ
- Impedance:** 50Ω
- Dielectric Withstanding Voltage:** 500 Vrms, 50Hz
- Dielectric Working Voltage:** 170 Vrms, 50Hz
- Frequency Range:** 0~6 GHz (Cable dependent)

**MMCX** — **GENDER** — **TYPE** — **PLATING** — **ORIENTATION** — **TERMINATION**

**-P**  
= Plug

**-C**  
= Cable

**-H**  
= 30μ" (0.76 μm) Gold center contact, 3μ" (0.08 μm) Gold outer contact (-CA1 & -CA2 only)

**-HF**  
= 30μ" (0.76 μm) Gold center contact, 3μ" (0.08 μm) Gold outer contact (-CA1S only)

**-RA**  
= Right Angle

**-ST**  
= Straight

**-CA1**  
= RG 174/316 Cable

**-CA2**  
= RG 178 Cable

**-CA1S**  
= RG 316 Cable, Double Shield (-ST only)

**-RA-CA1 & -RA-CA2**

**-ST-CA1, -ST-CA2 & -ST-CA1S**

Supplied with pins and ferrules. See website for dimensions.

**SPECIFICATIONS**

For complete specifications and assembly instructions see [www.samtec.com?MCX-CA](http://www.samtec.com?MCX-CA)

- Insulator Material:** PTFE
- Contact Material:** BeCu
- Shell and Pin Material:** Brass
- Center Contact:** Soldered
- Outer Ferrule:** Crimped
- Operating Temp Range:** -65°C to +125°C
- Insulation Resistance:** 1,000MΩ
- Contact Resistance:** Center: 5mΩ Outer: 2.5mΩ
- Impedance:** 50Ω
- Frequency Range:** 0~6 GHz (Cable dependent)
- V.S.W.R.:** 1.5 max (-RA) 1.3 max (-ST)
- Dielectric Withstanding Voltage:** 1,000 Vrms min, 50Hz
- Dielectric Working Voltage:** 335 Vrms max.

**MCX** — **GENDER** — **TYPE** — **PLATING** — **ORIENTATION** — **TERMINATION**

**-J**  
= Jack

**-P**  
= Plug

**-C**  
= Cable

**-H**  
= 30μ" (0.76 μm) Gold center contact, 3μ" (0.08 μm) Gold outer contact (-CA1 & -CA2 only)

**-HF**  
= 30μ" (0.76 μm) Gold center contact, 3μ" (0.08 μm) Gold outer contact (-CA1S only)

**-RA**  
= Right Angle (-P only)

**-ST**  
= Straight

**-CA1**  
= RG 174/316 Cable

**-CA2**  
= RG 178 Cable

**-CA1S**  
= RG 316 Cable, Double Shield (-ST only)

TYPE (-RA)	A	B
<b>-P-CA1</b>	(7.78) .306	(9.50) .374
<b>-P-CA2</b>	(8.58) .338	(10.00) .394

**-RA**

**-P-ST**

**J-ST**

Supplied with pins and ferrules. See website for dimensions.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

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