

MMCX SERIES

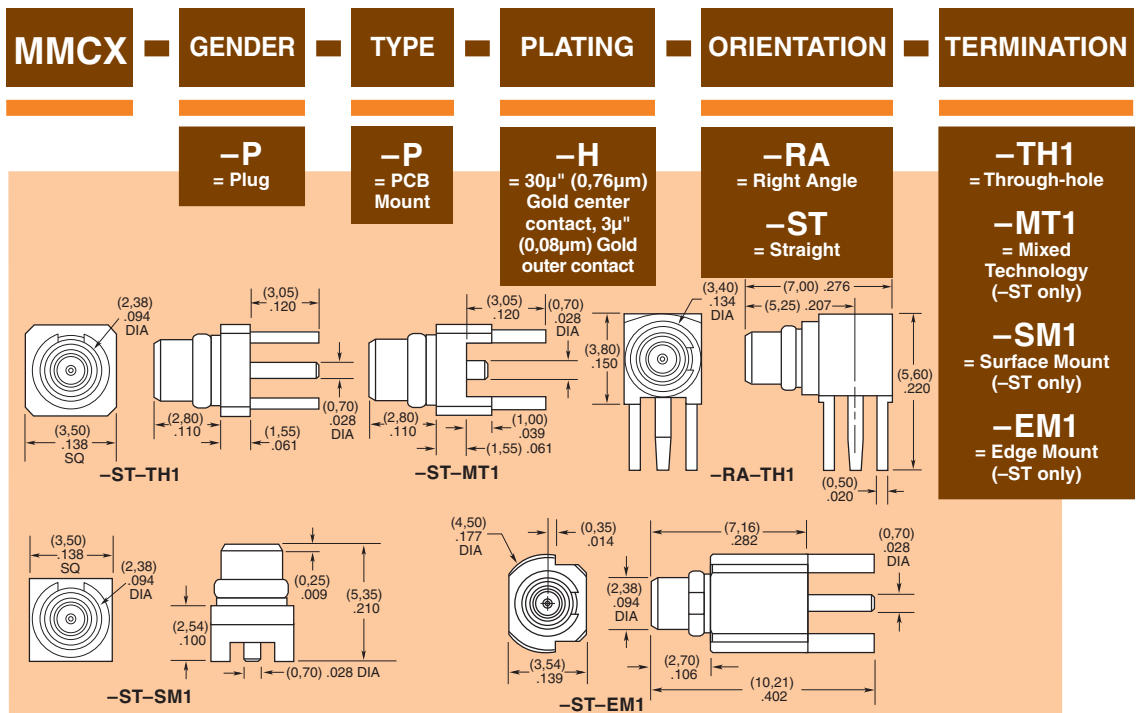
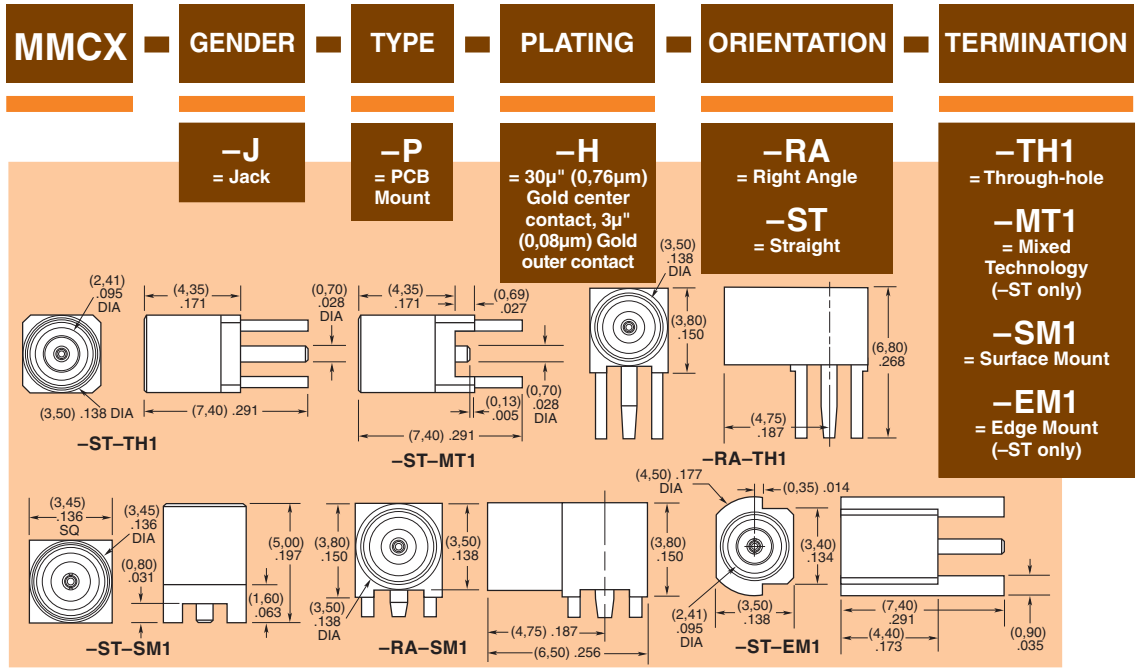
50Ω MMCX JACKS & PLUGS

Mates with:
RF174, RF316, RF178

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com/MMCX

- Contact Material:** BeCu
- Insulator Material:** PTFE
- Pin and Shell Material:** Brass
- Operating Temp Range:** -65°C to +125°C
- Insulation Resistance:** 1000MΩ min
- Contact Resistance:** Center: 5mΩ
Outer: 2.5mΩ
- Impedance:** 50Ω
- Dielectric Withstanding Voltage:** 500 Vrms, 50Hz
- Dielectric Working Voltage:** 170 Vrms, 50Hz
- V.S.W.R.:** 1.3 max (-EM, -ST-SM1)
1.5 max (-RA-SM1)
- Frequency Range:** 0-6 GHz
- RoHS Compliant:** Yes
- Processing:** Lead-Free Solderable
- Yes**



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

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MMCX-CA, MCX-CA SERIES

50Ω MMCX & MCX COMPONENTS

SPECIFICATIONS

For complete specifications and assembly instructions see 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" (0,76μm) Gold center contact, 3μ" (0,08μm) Gold outer contact	-RA = Right Angle	-ST = Straight	-CA1 = RG 174/316 Cable	-CA2 = RG 178 Cable
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-ST-CA1 & -ST-CA2 **-RA-CA1 & -RA-CA2**

Supplied with pins and ferrules. See website for dimensions.

SPECIFICATIONS

For complete specifications and assembly instructions see 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" (0,76μm) Gold center contact, 3μ" (0,08μm) Gold outer contact	-RA = Right Angle (-P only)	-ST = Straight	-CA1 = RG 174/316 Cable	-CA2 = RG 178 Cable
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TYPE (-ST)	E	F
-J-CA1	(4,50) .177	(15,50) .610
-J-CA2	(4,78) .188	(15,00) .591

-P-ST **-RA** **J-ST**

Supplied with pins and ferrules. See website for dimensions.

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