



MMCX SERIES

50 Ω MMCX MICRO-MINI JACKS & PLUGS

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

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?MMCX-EM, www.samtec.com?MMCX-MT, www.samtec.com?MMCX-SM or www.samtec.com?MMCX-TH

- Contact Material:** BeCu
- Insulator Material:** PTFE
- Pin and Shell Material:** Brass
- Operating Temp Range:** -65 °C to +125 °C
- Impedance:** 50 Ω
- Dielectric Withstanding Voltage:** 500 Vrms, 50 Hz
- Dielectric Working Voltage:** 170 Vrms, 50Hz
- Frequency Range:** 0-6 GHz
- RoHS Compliant:** Yes

PROCESSING

Lead-Free Solderable: Yes

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

OTHER SOLUTIONS

- High Vibration jacks and plugs. These connectors are not interchangeable with the MMCX.
 - MMCX Jack that switches from internal to external antenna when cable is mated.
- Contact Samtec.

Notes:
Random vibration and Resonant Search test reports available online.

75 Ω version available. See MMCX7 Series.

MMCX	GENDER	TYPE	PLATING	ORIENTATION	TERMINATION
	-P = Plug	-P = PCB Mount	-H = 30 μ" (0.76 μm) Gold center contact, 3 μ" (0.08 μm) Gold outer contact	-RA = Right-angle -ST = Straight	-TH1 = Through-hole -MT1 = Mixed Technology (-ST only) -SM1 = Surface Mount (-ST only) -EM1 = Edge Mount (-ST only)

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

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

Mouser Electronics

Authorized Distributor

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Samtec:

[MMCX-J-P-H-ST-SM1](#) [MMCX-J-P-H-ST-TH1](#) [MMCX-J-P-H-ST-MT1](#) [MMCX-P-P-H-ST-TH1](#) [MMCX-J-P-H-RA-TH1](#)
[MMCX-J-P-H-ST-EM1](#) [MMCX-P-P-H-ST-SM1](#) [MMCX-P-P-H-ST-EM1](#) [MMCX-P-P-H-ST-MT1](#) [MMCX-J-P-H-RA-SM1](#)
[MMCX-P-P-H-RA-TH1](#) [MMCX-J-P-HF-SW-EM1-TR](#) [MMCX-J-P-HF-SW-EM1](#) [MMCX-J-P-H-ST-SM1-K-TR](#)