









MMCX SERIES

50 Ω MMCX MICRO-MINI JACKS & PLUGS

MMCX-P-P-H-ST-SM1

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

500 Vrms, 50 Hz **Dielectric Working Voltage:** 170 Vrms, 50Hz

Frequency Range: 0~6 GHz
RoHS Compliant:

Yes

PROCESSING

Lead-Free Solderable:

MMCX GENDER TYPE PLATING ORIENTATION **TERMINATION** -Р -RA _TH1 30 μ" (0.76 μm) = PCB = Right-angle = Through-hole -J Mount Gold center = Jack contact, 3 μ" –ST -MT1 (0,08 µm) Gold = Straight = Mixed outer contact Technology (-ST only) (3.50) .138 DIA .028 DIA -SM1 .095 DIA 0 (6.80) .268 = Surface Mount -EM1 (0.13) = Edge Mount (-ST only) (7.40) .291 (7.40) .291 -ST-TH1 -ST-MT1 -RA-TH1 (4.50) .177 DIA I → (0.35) .014 (3.45 .136 / DIA (5.00) (3.80) .197 .150 (3.80) • (0.80) 0 (1.60) .063 _ (7.40) .291 .(4.40)__ .173 (3.50) .138 DIA Ш (2.41)-(4.75) .187-.095 DIA -RA-SM1 -ST-EM1 -ST-SM1 -(6.50) .256

OTHER SOLUTIONS

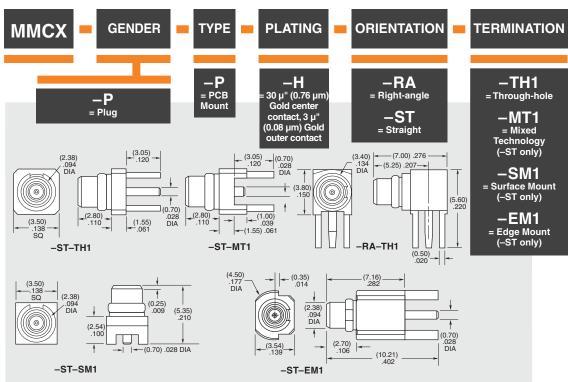
- High Vibration jacks and plugs. These connectors are not interchangeable with the MMCX.
- MMCX Jack that switches from internal to external antenna when cable is mated.

Contact Samtec.

Notes:

Random vibration and Resonant Search test reports available online.

75 Ω version available. See MMCX7 Series.



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