

**MMCX, MMCXV SERIES**

# 50Ω MMCX MICRO MINI JACKS & PLUGS

Mates with:  
RF174, RF316, RF178

**SPECIFICATIONS**

For complete specifications and recommended PCB layouts see [www.samtec.com?MMCX-EM](http://www.samtec.com?MMCX-EM), [www.samtec.com?MMCX-MT](http://www.samtec.com?MMCX-MT), [www.samtec.com?MMCX-SM](http://www.samtec.com?MMCX-SM), [www.samtec.com?MMCX-TH](http://www.samtec.com?MMCX-TH) or [www.samtec.com?MMCXV-TH](http://www.samtec.com?MMCXV-TH)

**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

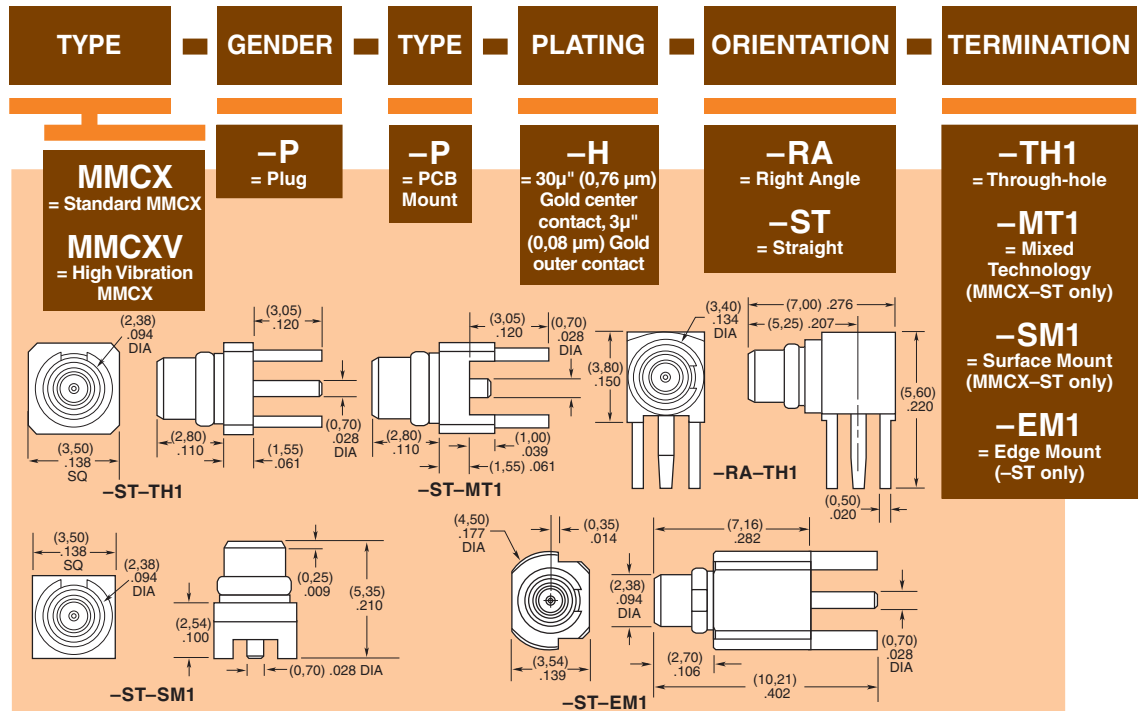
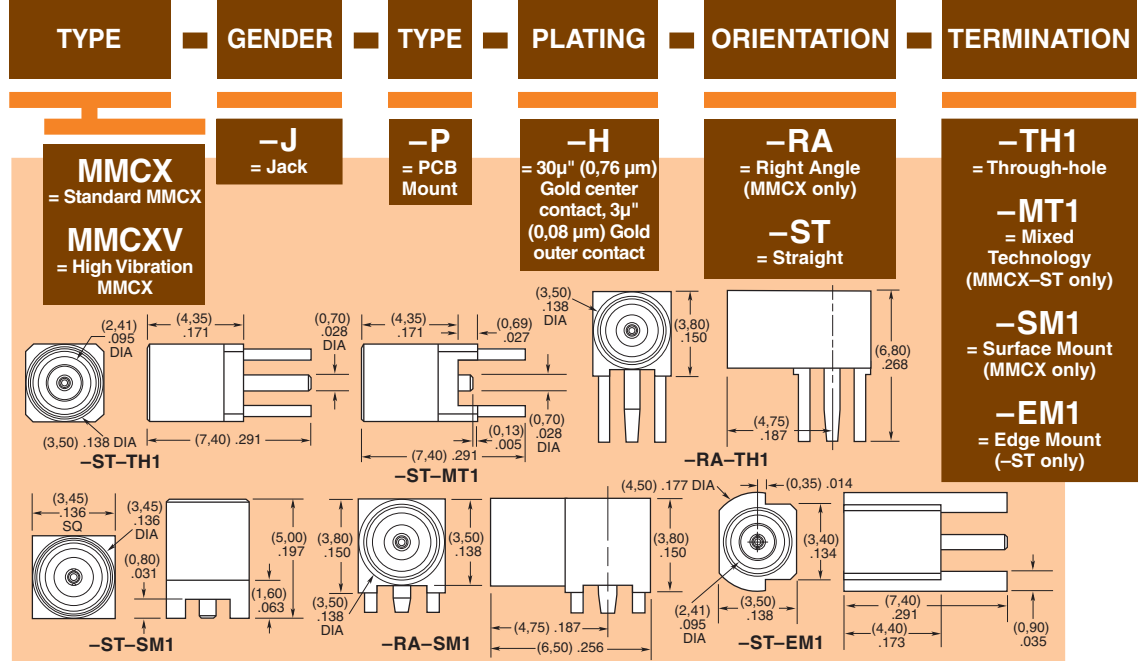
**V.S.W.R.:**  
1.3 max (-EM, -ST-SM1)  
1.5 max (-RA-SM1)

**Frequency Range:**  
0-6 GHz

**RoHS Compliant:**  
Yes

**Processing:**  
Lead-Free Solderable

Yes



**Note:** The MMCX and MMCXV connectors are not inter-mateable.

**Note:** 75Ω version available. See MMCX7 series.

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

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