Series SMP is a push-on and snap-on style connector. The advantages are miniature size, light weight, convenient usages and high frequency range. In its snap-on configuration, the SMP interface is available in two levels of detent each with different mate and de-mate forces. The two levels are full detent and limited detent.

**Key performance**

- Characteristic Impedance : $50 \, \Omega$
- Frequency range : $0 \sim 26.5 \, \text{GHz}$
- Contact resistance :
  - Center conductor $\leq 6.0 \, \text{m} \Omega$
  - Outer conductor $\leq 2.0 \, \text{m} \Omega$
- Insulation resistance : $\geq 1000 \, \Omega$
- Insulator voltage withstanding : $500 \, \text{V}$
- VSWR : $\leq 1.25$
- Connector durability : 500 cycles

**Material**

- Center contacts:
  - Male---brass, gold plated.
  - Female---beryllium copper, gold plated
- Bodies and other metal parts:
  - brass, gold plated
- Insulators: Teflon
- Crimp ferrule: copper, nickel plated.
- Gasket and seal rings: silicone rubber

**Application spec/std.:** GJB681A/MIL-C-39012)/CECC22340

**Applicable sc** MIL-C-39012

**Interface Dimensions**

![Interface Dimensions Diagram](image)

**Reference Plane**

![Reference Plane Diagram](image)
### SMP SERIES

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