Series SMP is a push-on and snap-on style connector. The advantages are miniature size, lightweight, 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: 50Ω
- Frequency range: 0–26.5 GHz
- Contact resistance:
  - Center conductor: ≤6.0mΩ
  - Out conductor: ≤2.0mΩ
- Insulation resistance: ≥1000MΩ
- Insulator voltage withstand: 500V
- VSWR: ≤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
- Heat-shrink tubing: thermofit plastic

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

**Applicable sc:** MIL-C-39012

**Interface Dimensions**

![Interface Dimensions Diagram](image-url)

**Reference Plane**

![Reference Plane](image-url)
<table>
<thead>
<tr>
<th>Type</th>
<th>part number</th>
<th>suitable cable</th>
<th>Note</th>
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