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: 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

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**Interface Dimensions**

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**Reference Plane**

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<table>
<thead>
<tr>
<th>Type</th>
<th>Part Number</th>
<th>Suitable Cable</th>
<th>Note</th>
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