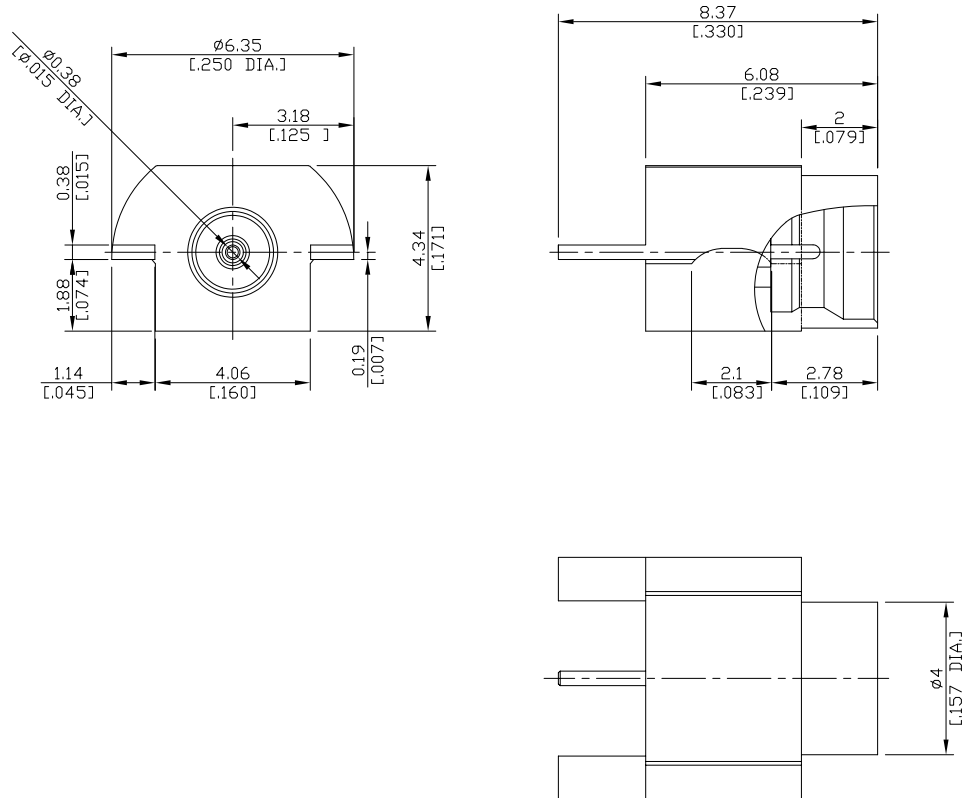


SMP Plug (Male) Full Detent Snap-On Connector Solder Attachment  
Edge Mount PCB DC-6 GHz VSWR 1.25, 6-18 GHz VSWR 1.35

**SMP1JF50-0837A / 99**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

According to

MIL-STD-348B/326-1  
MIL-STD-348B/326-3  
MIL-STD-348B/326-4

MIL-STD-348B/326-1a  
MIL-STD-348B/326-2  
MIL-STD-348B/326-5

**Electrical Data**

Impedance	50 Ω	
Frequency	DC to 18 GHz	
VSWR (Return Loss)	≤ 1.25 (≥ 19.08 dB) DC to 6 GHz	≤ 1.35 (≥ 16.54 dB) 6 to 18 GHz
Insertion Loss	≤ 0.1 x √F (GHz) dB	
Insulation Resistance	≥ 5 GΩ	
Center Contact Resistance	≤ 6.0 mΩ	
Outer Contact Resistance	≤ 2.0 mΩ	
Test Voltage (at sea level)	500 V rms	
Working Voltage (at sea level)	335 V rms	

- Connector Only; VSWR in Application Depends Decisive on PCB Layout -

**Material And Plating**

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Insulator	PTFE	

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Rev.: 1.0

Date:  
APR/23/2021

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N-CAGE Code: SFKK0 / ISO9001 Certified

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## SMP Plug (Male) Full Detent Snap-On Connector Solder Attachment Edge Mount PCB DC-6 GHz VSWR 1.25, 6-18 GHz VSWR 1.35

### SMP1JF50-0837A / 99

#### Mechanical Data

Coupling mechanisms	Snap-on	
Mating Cycles	Full Detent	≥ 100
Center contact captivation	≥ 7 N	
Engagement Force	Full Detent	68 N max.
Disengagement force	Full Detent	22 N min.

#### Environmental Data

Temperature Range	-65°C to +155°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Shock	MIL-STD-202, Meth. 213, Cond. A
Moisture Resistance	MIL-STD-202, Meth. 106
Max. Soldering Temperature	IEC 61760-1, +260°C for 10 sec.
RoHS	compliant

#### Weight

0.66 g/Pcs

#### Packing

Single or 100