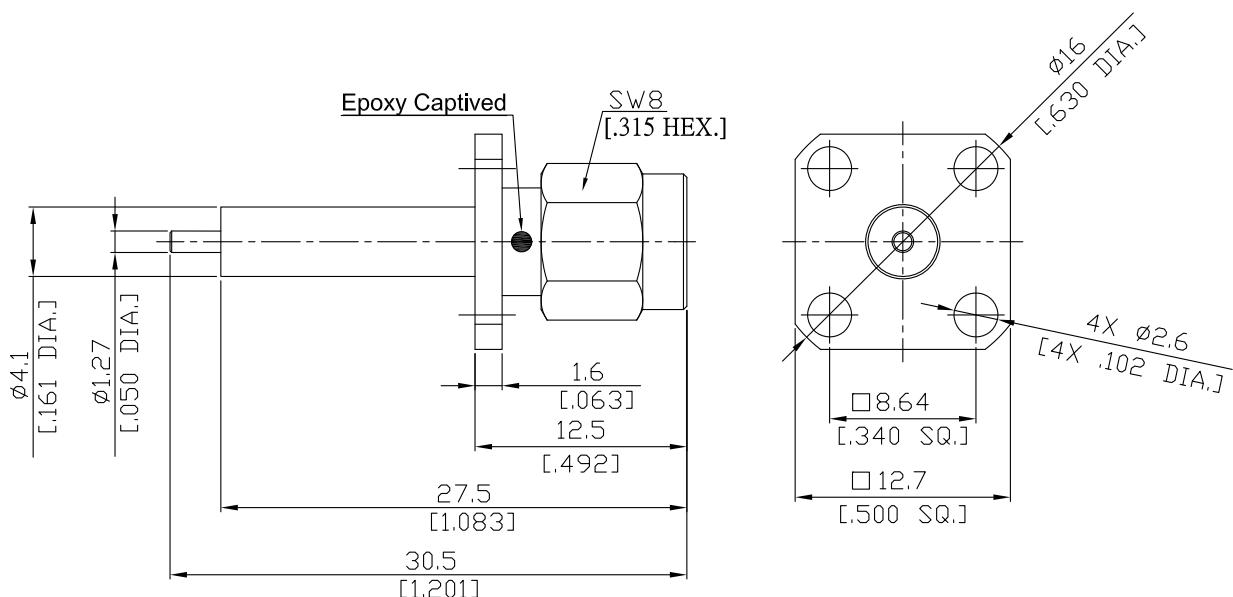


SMA plug (male) Connector Solder Attachment 4 Hole Flange Mount  
Stub Terminal, 8.64mm (.340 inch) Hole Spacing DC-18GHz VSWR 1.30

## SMA1GFA50-3050A-EC / 1XX



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

### Interface

According to

IEC 61169-15; MIL-STD-348B/310

### Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.30 (≥ 17.7 dB)

Insertion Loss

≤ 0.05 x √F (GHz) dB

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 3 mΩ

Outer Contact Resistance

≤ 2 mΩ

Test Voltage

1000 V rms

Working Voltage (at sea level)

480 V rms

Power Handling (at 20 °C, sea level, VSWR 1.0)

≤ 200 W @ 2 GHz

### Material And Plating

Piece Parts	Material	Plating
Centre contact	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	

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**SMA1GFA50-3050A-EC / 1XX**

## Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	$\geq 500$
Centre Contact	Soldered
Terminal Type	Stub
Captivated Type	Epoxy Captivation
Center Contact Captivation: axial	$\geq 27 \text{ N}$
	$\geq 3 \text{ Ncm}$
Coupling Test Torque	max. 1.7 Nm
Recommended Torque	0.8 Nm to 11 Nm

## Environmental Data

Temperature Range	-65°C to +165°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

## Packing

Single or 100