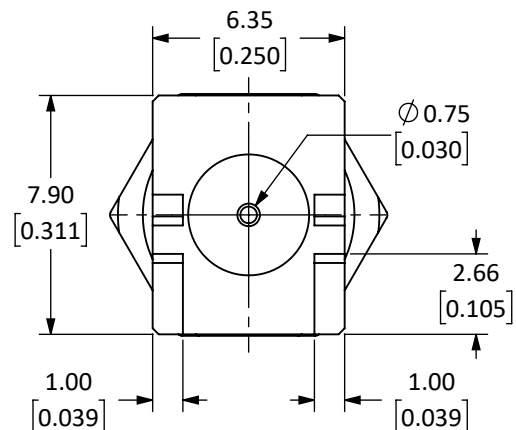
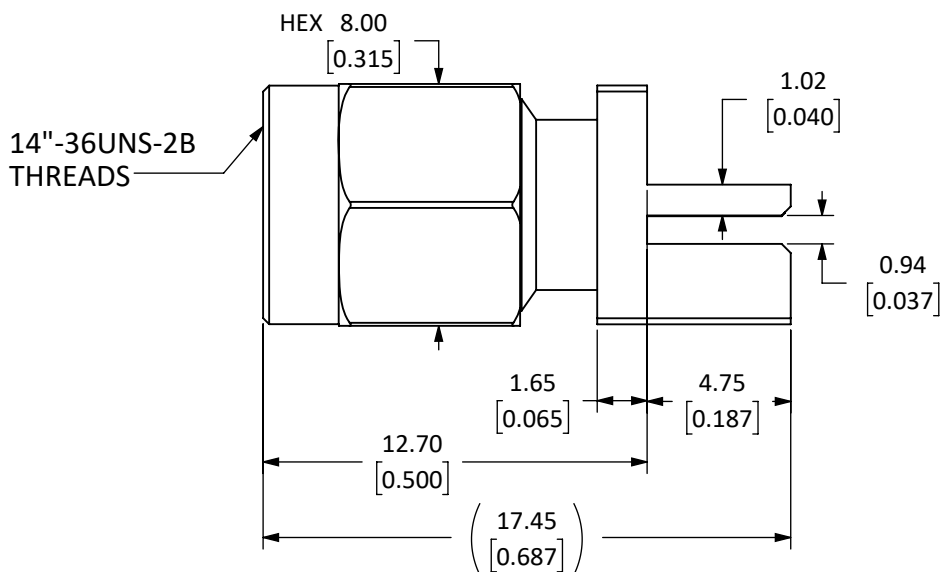


Connector: SMA Plug (Male Pin)			
Termination: PCB Board Edge, End Launch, Panel Mount			
Part Number		CON SMA013.031	CON SMA013.031-G
Connector Part	Material	Finish	Finish
Bodies	Body: Brass	Nickel	Gold
	Nut: Brass	Nickel	Gold
Center Contact	Pin: Brass	Gold	Gold
Insulator	PTFE	-	-
Gasket	Si Rubber	-	-


REVISIONS			
REV	DESCRIPTION	DATE	APPV
A	INITIAL RELEASE OF SOLID MODEL.	CLL	6-FEB-20



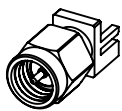
NOTES: (UNLESS OTHERWISE SPECIFIED)

1. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].
2. DIMENSIONS APPLY AFTER FINISHING.
3. MANUFACTURE TO BE COMPLIANT WITH EU RoHS DIRECTIVE, USE MATERIALS THAT DO NOT CONTAIN REACH SUBSTANCES OF VERY HIGH CONCERN >1000ppm, AND USE DRC CONFLICT-FREE SOURCED MATERIALS.
4. SAFETY BREAK ALL SHARP CORNERS AND EDGES 0.5 MAXIMUM.
5. SEE TABLE I FOR ELECTRICAL SPECIFICATIONS. (SHEET 2)
6. SEE TABLE II FOR ENVIRONMENTAL SPECIFICATIONS. (SHEET 2)
7. SEE TABLE III FOR MECHANICAL SPECIFICATIONS. (SHEET 2)
8. SEE PARTSLIST. "\*" INDICATES FINISH TYPE.

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MATERIAL:	TOLERANCES: 0.50 [ .020]-5.00 [ .200]= ±0.20 [ .008] 5.00 [ .200]-30.00 [ 1.200]= ±0.40 [ .016] 30.0 [ 1.20]-120.0 [ 4.75]= ±0.60 [ 0.24] 120.0 [ 4.75]-315.0 [ 12.40]= ±1.0 [ .040]	PROJECTION:  ANGLES: ±1°
FINISH:	DRAWN: M. SCHULTE	DT: 15-JAN-20
	ENGR: D. VARATHARAJAN	DT: 6-FEB-20

<b>Linx</b>		159 ORT LANE MERLIN, OR 97532	
TITLE: <b>SMA MALE EDGE MOUNT FOR 0.031" BOARD</b>			
SIZE	DWG. NO.	REV	
<b>A</b>	<b>CON SMA013.031-*</b>	<b>A</b>	
SCALE: 4:1	DO NOT SCALE DRAWING	SHEET 1 OF 2	



SCALE 1 : 1

5 TABLE I

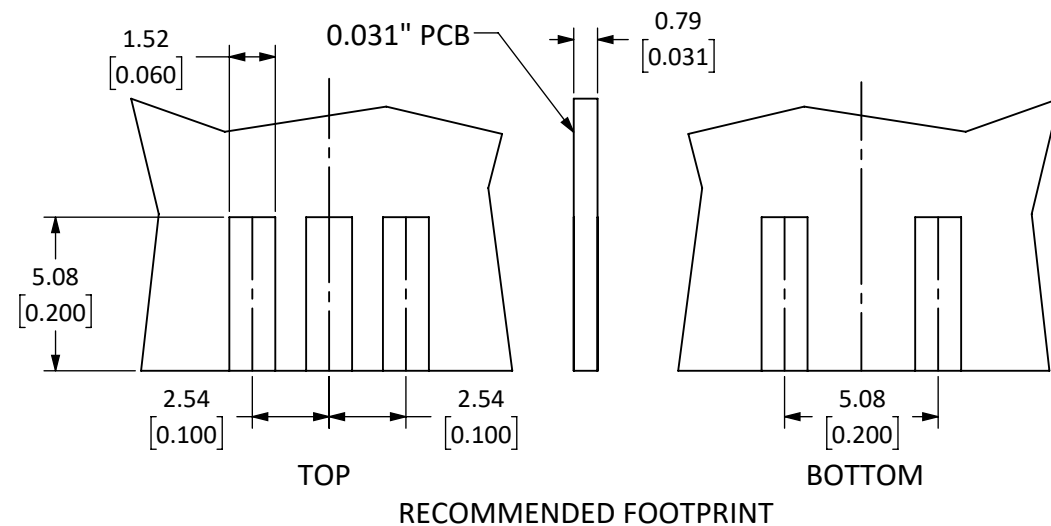
Electrical Data	Detail	
	CON SMA013.031	CON SMA013.031-G
Impedance	50 $\Omega$	50 $\Omega$
Frequency Range	0 to 18 GHz	0 to 18 GHz
Insulation Resistance	$\geq 5000$ M $\Omega$	$\geq 5000$ M $\Omega$
Voltage Rating	1000 V RMS	1000 V RMS
Contact Resistance	Center $\leq 3.0$ m $\Omega$ Outer: $\leq 2.5$ m $\Omega$	Center $\leq 3.0$ m $\Omega$ Outer: $\leq 2.5$ m $\Omega$
VSWR	$\leq 1.2$ @ 6 GHz	$\leq 1.2$ @ 6 GHz

6 TABLE II

Environmental Data	Detail
Corrosion (Salt Spray)	MIL-STD-202 METHOD 101 TEST CONDITION B
Thermal Shock	MIL-STD-202 METHOD 107 TEST CONDITION B
Vibration	MIL-STD-202 METHOD 204 TEST CONDITION D
Mechanical Shock	MIL-STD-202 METHOD 213 TEST CONDITION I
Temperature Range	-55 °C to +155 °C
Environmental Compliance	RoHS

7 TABLE III

Mechanical Data	Detail
Mounting Type	PCB Edge Mount
Fastening Type	1/4"-36UNS-2B Threaded Coupling
Recommended Torque	0.57 N.m (5 in.lbs)
Coupling Nut Retention	60 lbs min.
Connector Durability	500 cycles min.
Weight	3.4 g (0.12 oz)



SIZE	DWG. NO.	REV
<b>A</b>	CON SMA013.031-*	<b>A</b>
SCALE: 4:1	DO NOT SCALE DRAWING	SHEET 2 OF 2

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