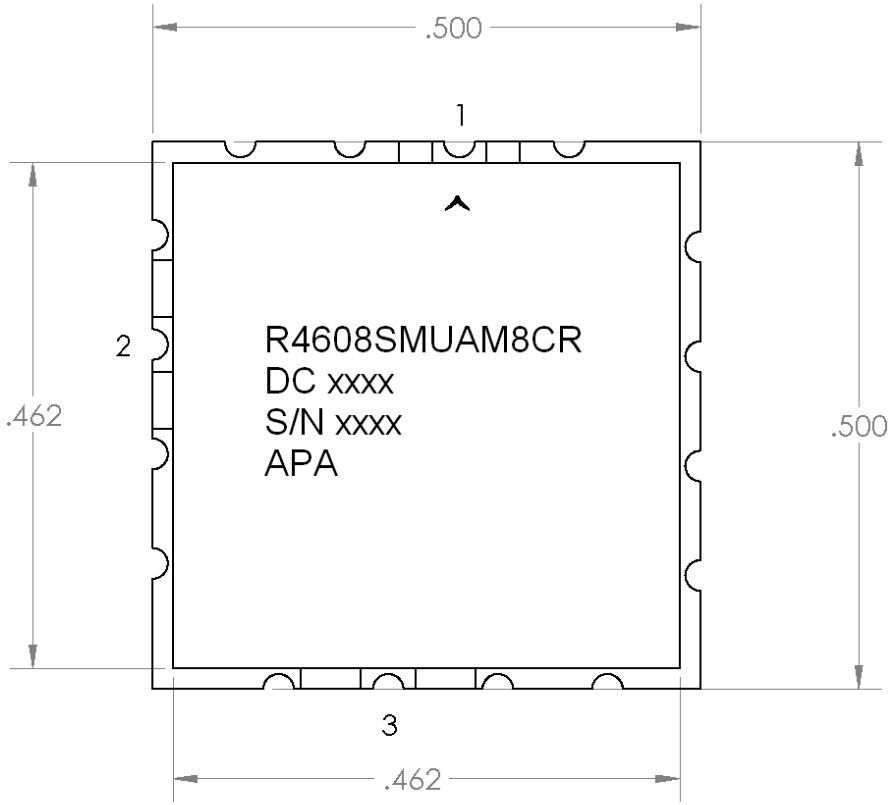
VCO R4608SMUAM8CR

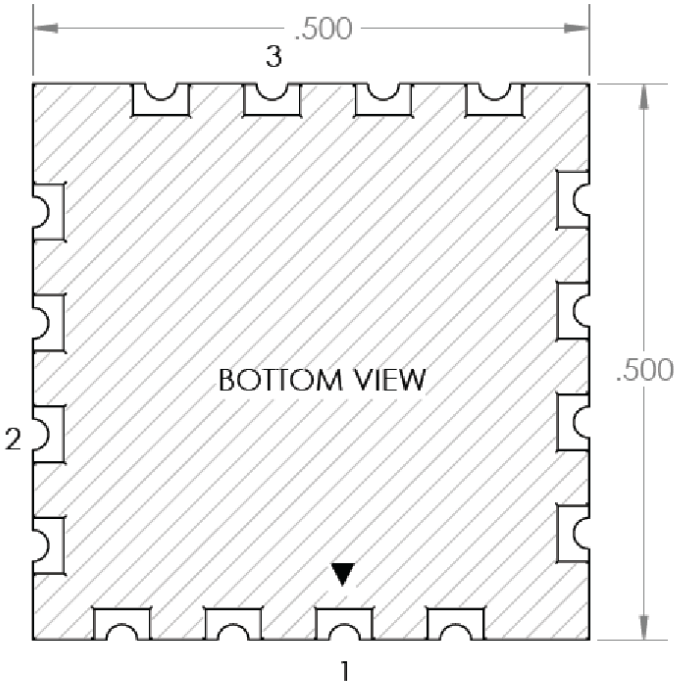
rev_0	initial rev
rev_1	temp,age
rev_2	Pout, Kv
rev_3	Parylene Opt

	MIN	TYP	MAX	UNITS	NOTES	Production Test	First Article Test
Frequency Range		4608		MHz	1	..	..
Tuning Voltage	0.9		4.35	V	1,9	..	..
Modulation Sensitivity	5	7	9	MHz/V	1,7	..	..
Operates with Vtune = 0V					1	..	..
Output Power	0	3	6	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-88	-83	dBc/Hz	1	..	..
10 KHz Offset		-116	-111	dBc/Hz	1	..	..
100 KHz Offset		-136	-131	dBc/Hz	1	..	..
1 MHz Offset		-156	-151	dBc/Hz	1	..	..
Pushing		0.5		MHz/V	3	..	..
Pulling (12dB RL, any phase)		0.5		MHz_{p-p}	3	..	..
Modulation Bandwidth		1		MHz	4	..	..
Tuning Port Capacitance		22		pF	2	..	..
Harmonics		-20	-15	dBc	3	..	..
Vcc		8.0		V		..	..
Icc		30		mA	1	..	..
Operating Temperature	-5		+95	C	3	..	..
Package		SMUAM			6,8	..	..
LxW		0.500		inch sq.	5	..	..
Height		0.220		inch	5	..	..

Notes

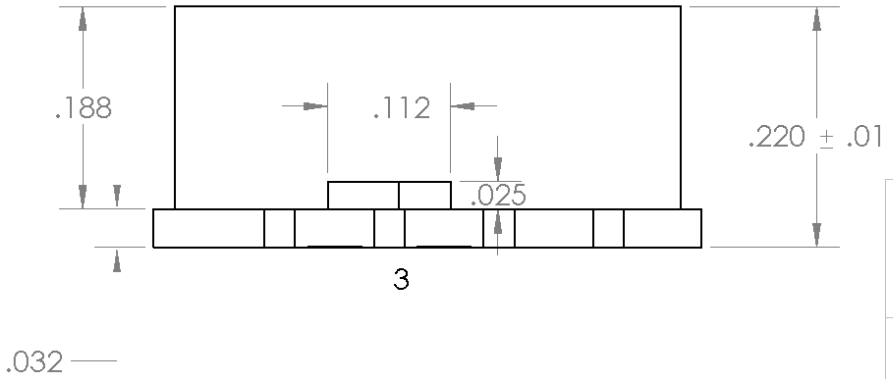
1. Tested in production, and guaranteed
2. Per current design, not a tested parameter
3. Sample tested from production lot
4. Not a tested or guaranteed design goal
5. By inspection
6. RoHS compliant
7. Design goal subject to change
8. Solder mask on bottom of unit
9. Will maintain frequency range for ten years
10. Parylene conformal coating





- Hatched area= solder mask

CONTACT ASSIGNMENTS
1. RF OUT
2. VCC
3. V-TUNE
ALL OTHER CONTACTS ARE GROUND



APA Wireless TECHNOLOGIES

	NAME	DATE
DRAWN	Stefan Babulal	2/20/2017

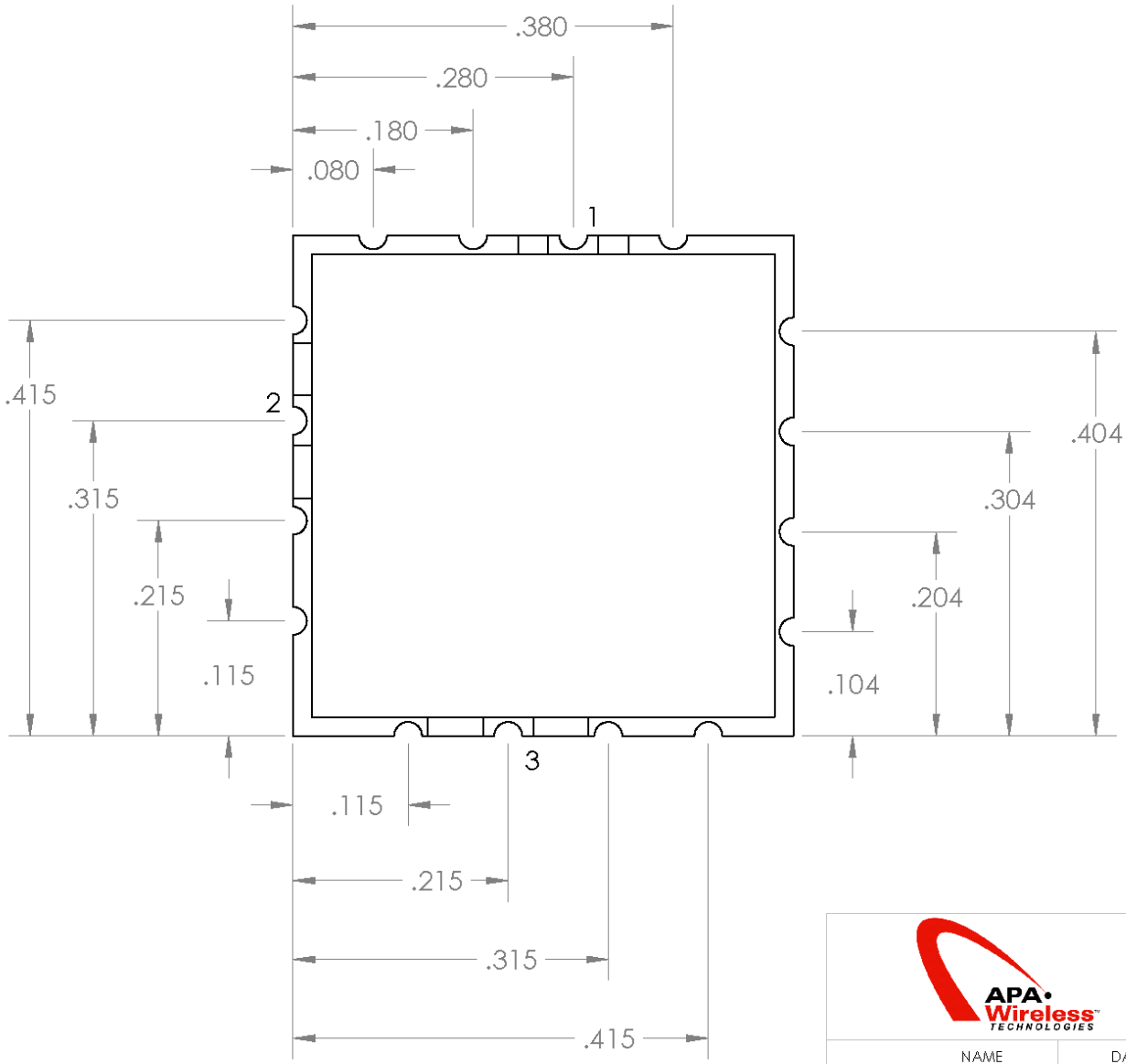
COMMENTS:
All dimensions are in inches.
Tolerances ± 0.005 unless otherwise noted

TITLE:

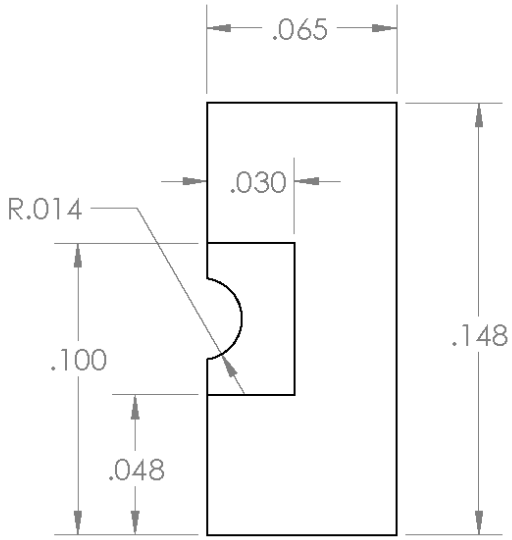
SMUAM PACKAGE

SIZE	DWG. NO.	REV
A	1	

SCALE: 6:1	unit: inch	SHEET 1 OF 2



CONTACT DIMENSIONS



Scale: 16:1

DRAWN	NAME: Stefan Babulal	DATE: 2/20/2017

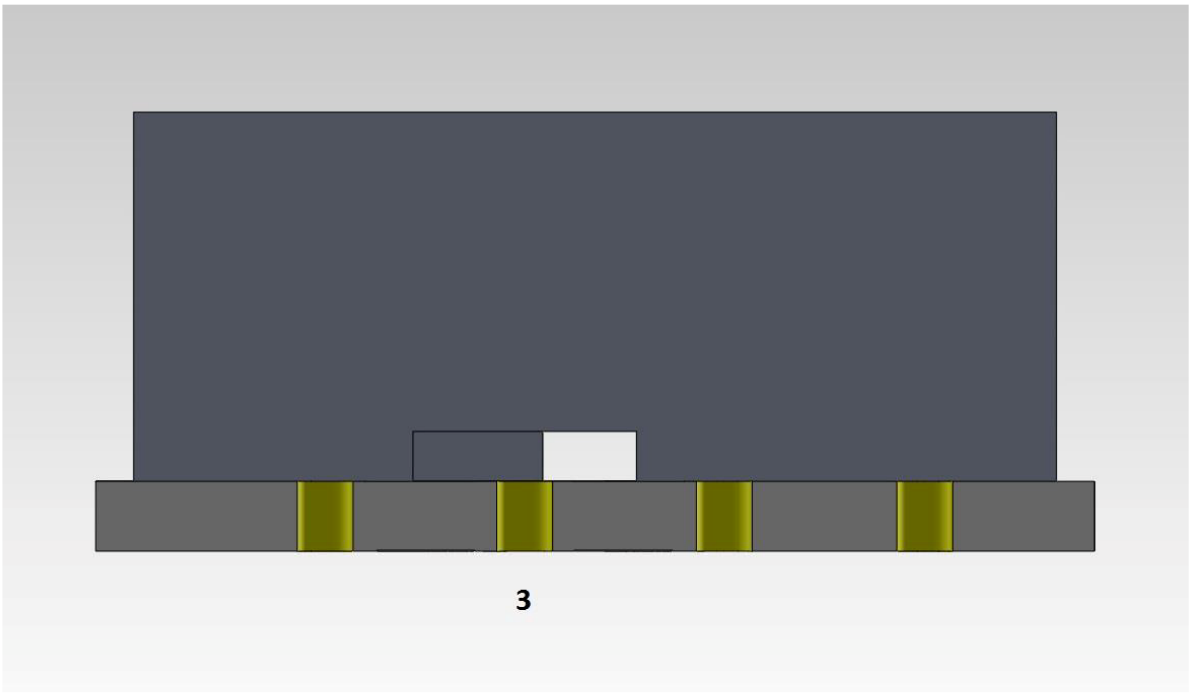
COMMENTS:
All dimensions are in inches.
Tolerances ± 0.005 unless otherwise noted

TITLE:

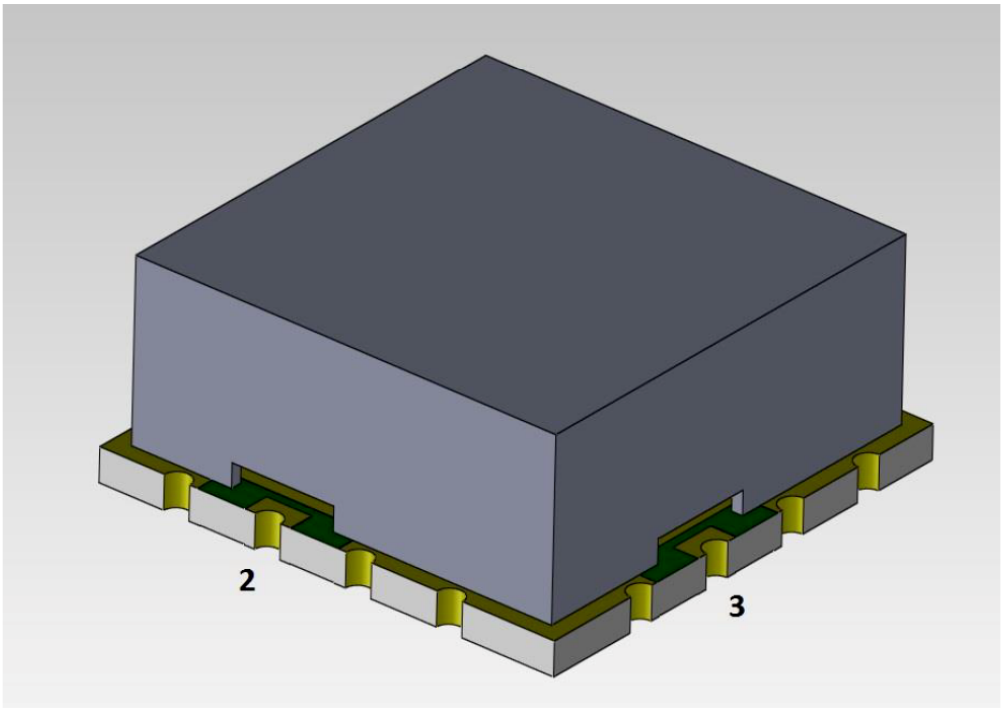
SMUAM PACKAGE

SIZE	DWG. NO.	REV
A	1	

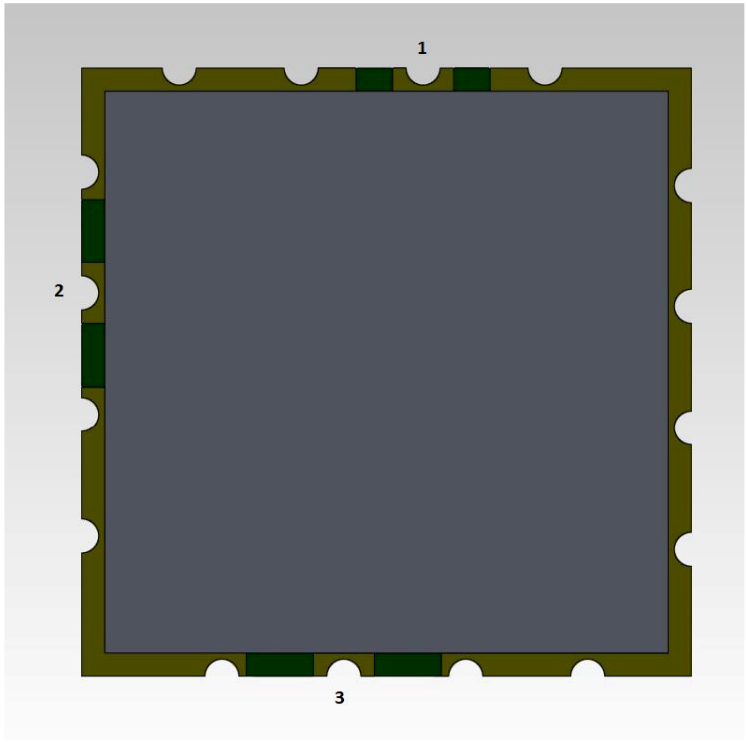
SCALE: 6:1	unit: inch	SHEET 2 OF 2



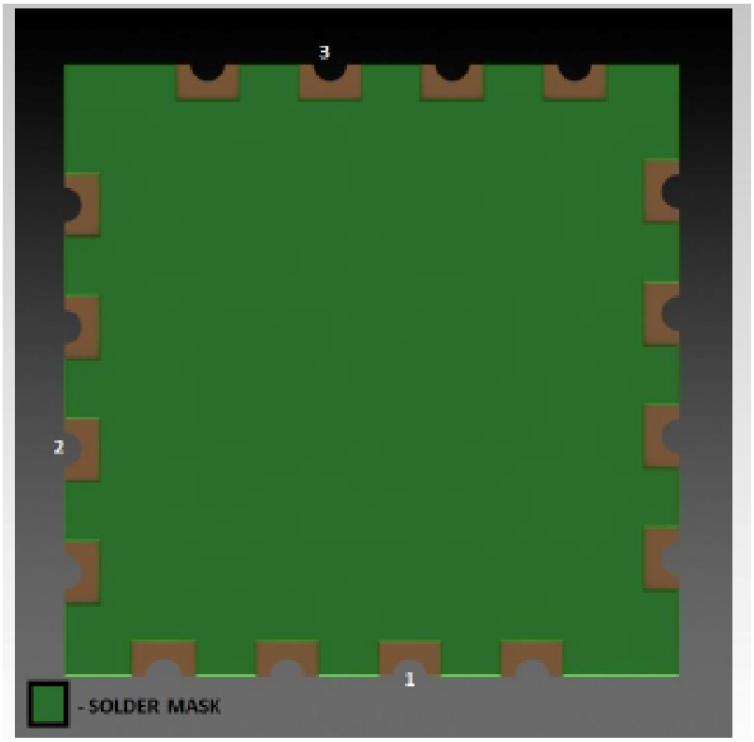
SIDE VIEW



ISOMETRIC VIEW



TOP VIEW



BOTTOM VIEW