



VCO R4440SMUAM8CR

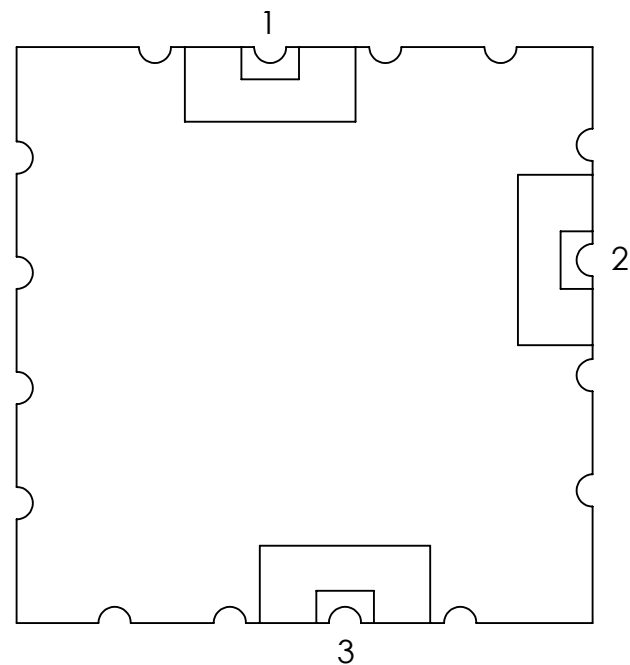
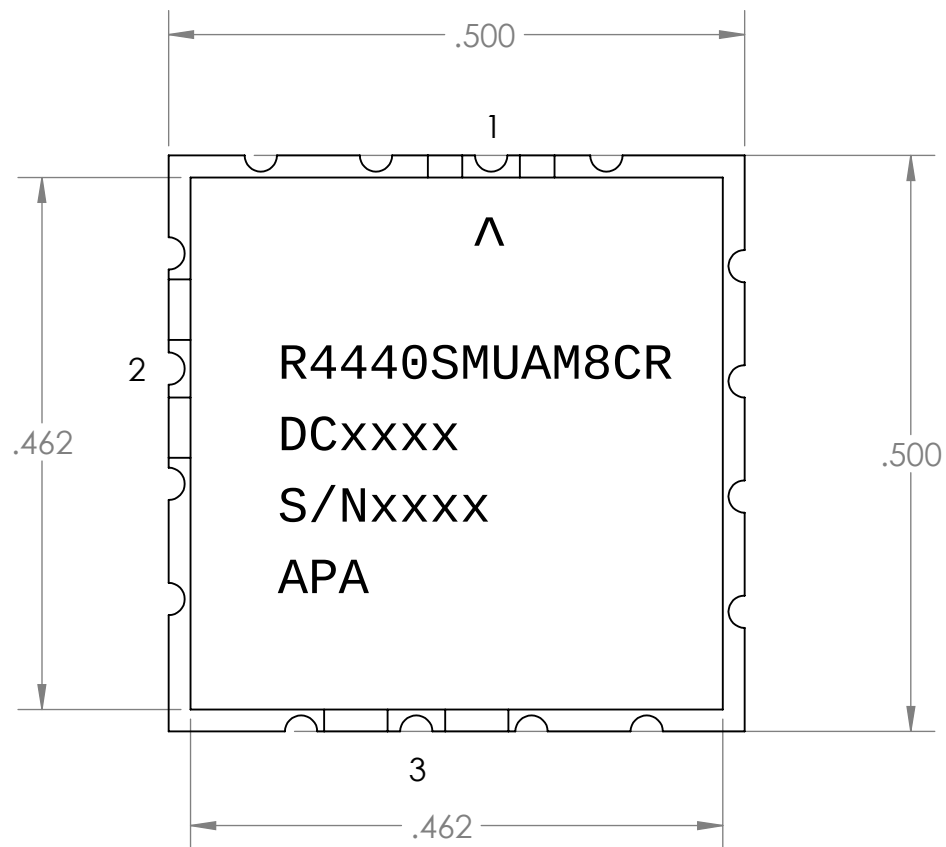
rev_0

initial rev

	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Production Test</u>	<u>First Article Test</u>
Frequency Range		4440		MHz	1	..	..
Tuning Voltage	0.5		4.5	V	1	..	..
Modulation Sensitivity		7		MHz/V	1,7	..	..
Operates with Vtune = 0V					1	..	..
Output Power	0	3	6	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-87	-84	dBc/Hz	1	..	..
10 KHz Offset		-114	-111	dBc/Hz	1	..	..
100 KHz Offset		-134	-131	dBc/Hz	1	..	..
1 MHz Offset		-154	-151	dBc/Hz	1	..	..
Pushing		0.5	1	MHz/V	3	..	..
Pulling (12dB RL, any phase)		0.5	2	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	1,7	..	..
Operating Temperature	-40		+85	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



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



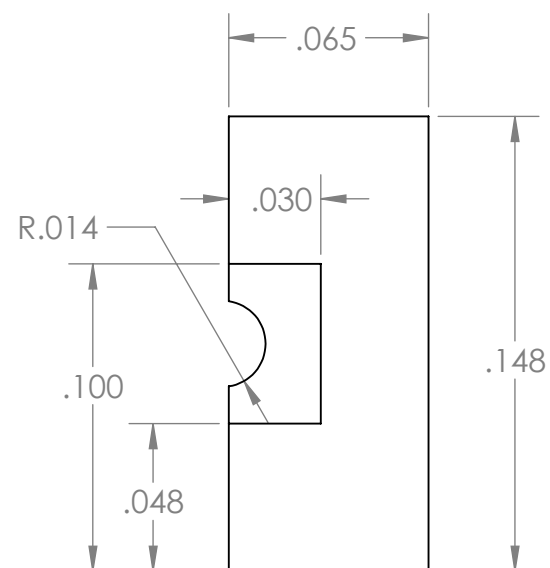
DRAWN	NAME Stefan Babulal	DATE 2/20/2017
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COMMENTS:
All dimensions are in inches.
Tolerances ± 0.005 unless otherwise noted

TITLE: SMUAM PACKAGE		
SIZE A	DWG. NO. 1	REV
SCALE: 6:1	unit: inch	SHEET 1 OF 2



CONTACT DIMENSIONS



Scale: 16:1



DRAWN NAME
Stefan Babulal

DATE
2/20/2017

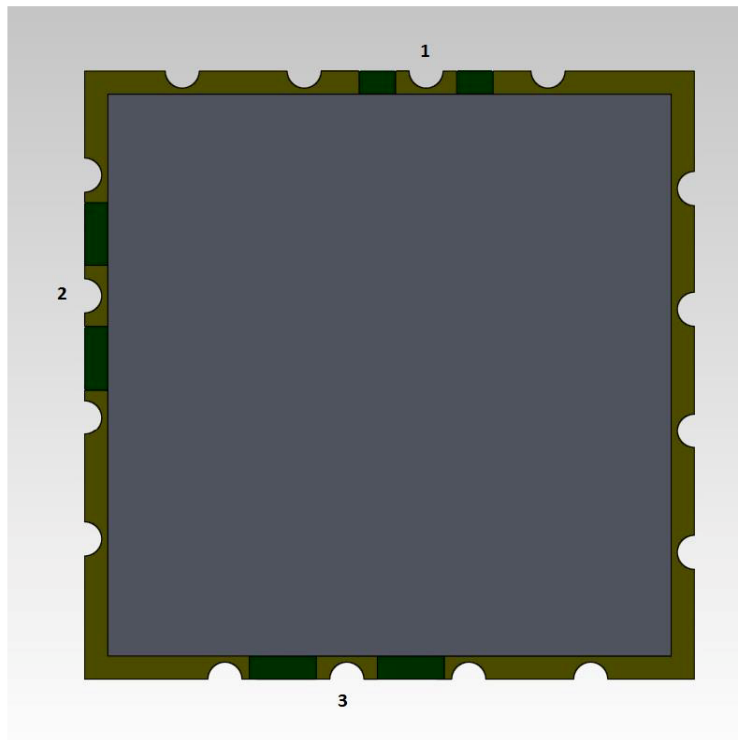
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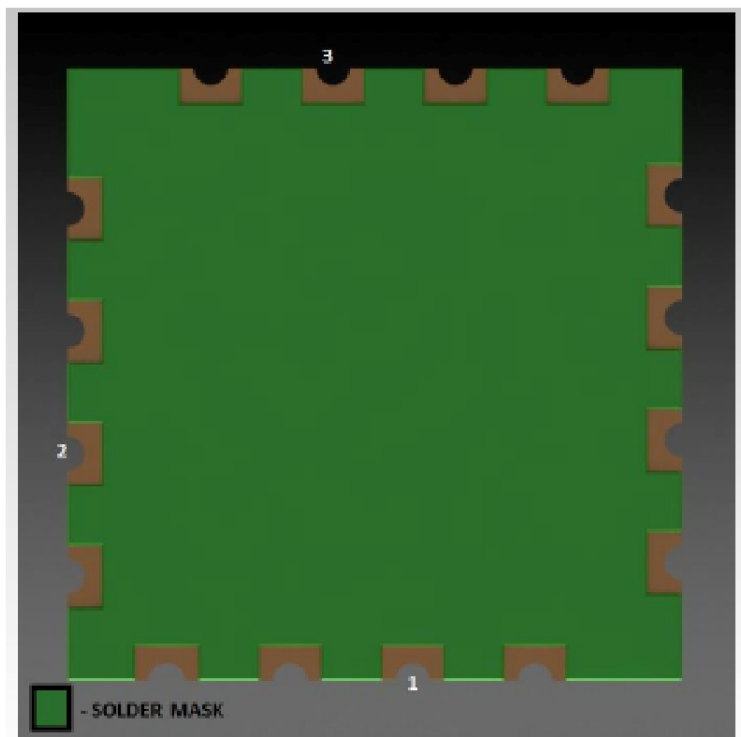
SMUAM PACKAGE

SIZE	DWG. NO.	REV
A	1	

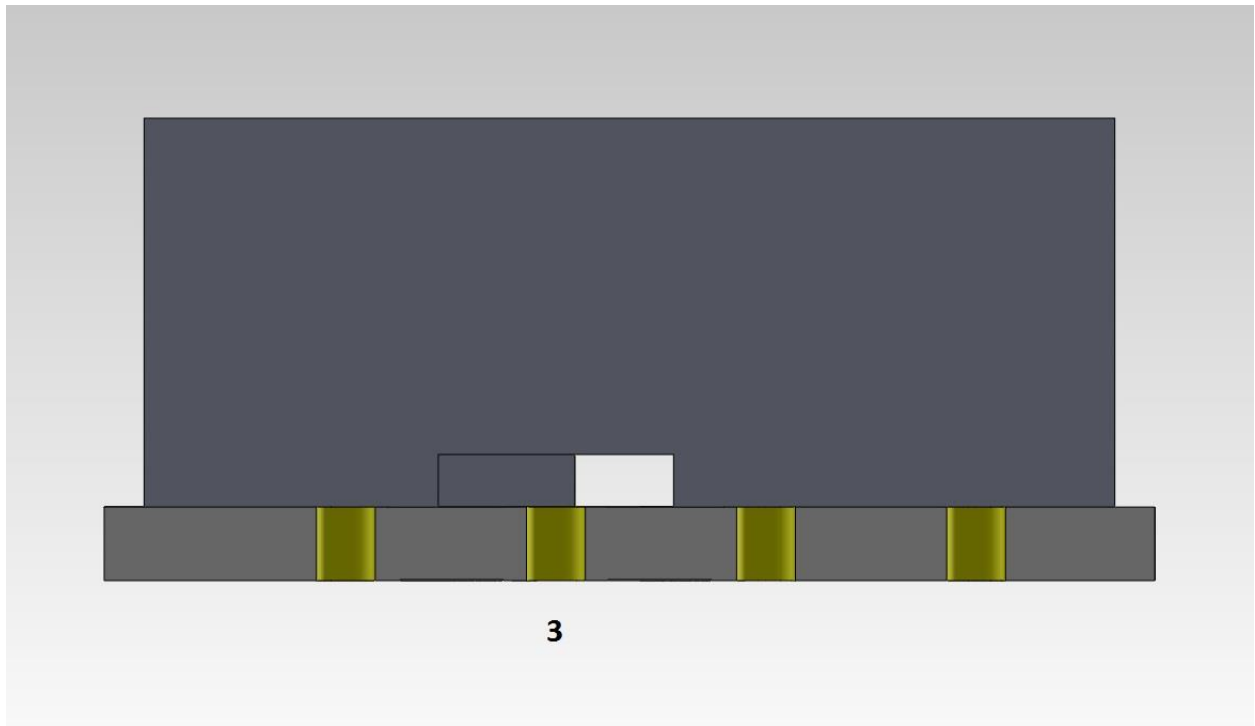
SCALE: 6:1	unit: inch	SHEET 2 OF 2
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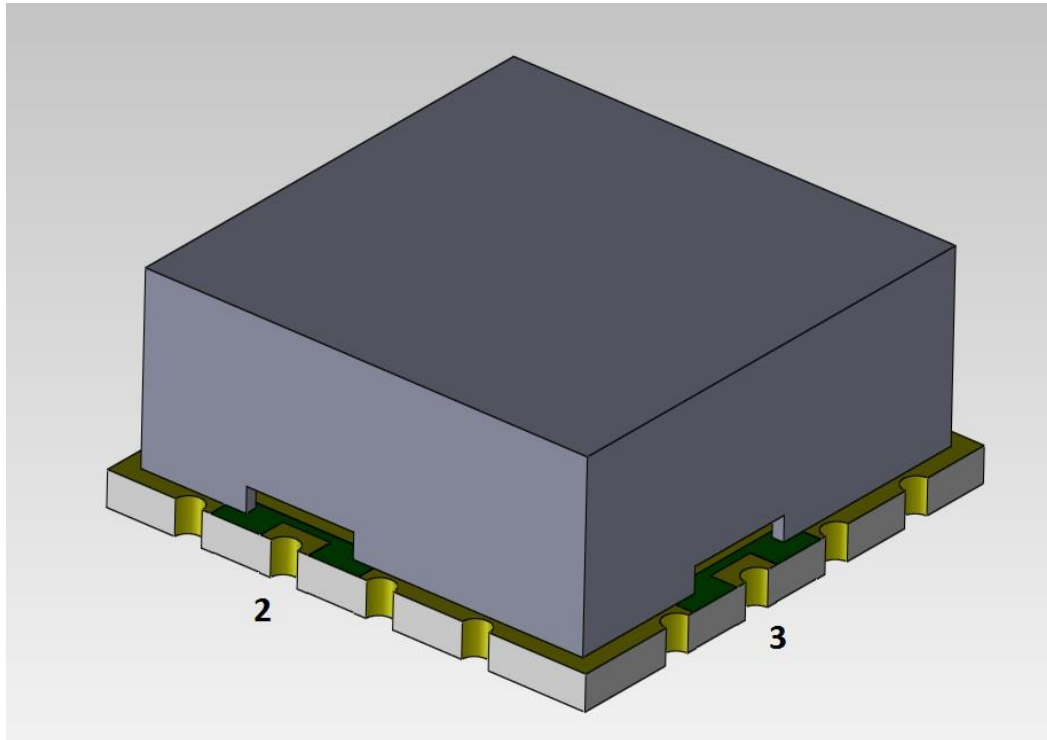
TOP VIEW



BOTTOM VIEW



SIDE VIEW



ISOMETRIC VIEW