



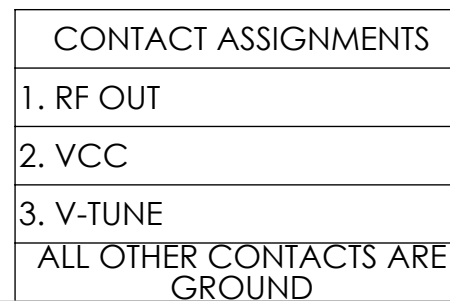
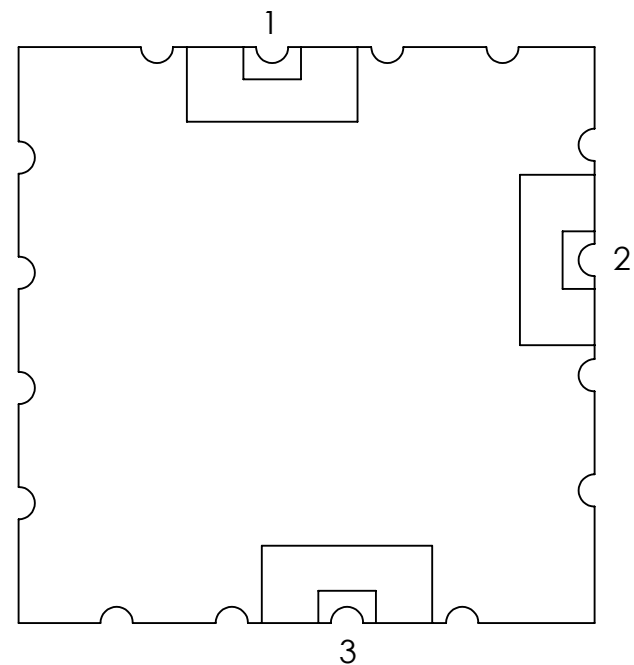
VCO R4198R4SMUA5CR

rev_0 initial rev
rev_1 Kv,PN,Icc,Age
rev_2 Push
notes, icc

	<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		4198		MHz	1	☐	☐
Tuning Voltage	0.5		4.5	V	1	☐	☐
Modulation Sensitivity		6.0		MHz/V	1	☐	☐
Operates with Vtune = 0V					1	☐	☐
Output Power	4	6	8	dBm	1	☐	☐
Phase Noise @							
100 Hz Offset		-56	-40	dBc/Hz	2	☐	☐
1 KHz Offset		-86	-71	dBc/Hz	1	☐	☐
10 KHz Offset		-113	-106	dBc/Hz	1	☐	☐
100 KHz Offset		-133	-128	dBc/Hz	1	☐	☐
1 MHz Offset		-153	-142	dBc/Hz	1	☐	☐
10 MHz Offset		-165	-155	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		10	22	pF	2	☐	☐
Harmonics			-15	dBc	3	☐	☐
Vcc		5.0		V			
Icc		34		mA	1	☐	☐
Storage Temperature	-55		+125	C	2		
Operating Temperature	-40		+85	C	3	☐	☐
Aging	10			yrs	2,8,9	☐	☐
Package		SMUA			6	☐	☐
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. Part will be compliant to all specifications for the length of time indicated
9. Customer requests 20 years



TITLE:	
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SMUA PACKAGE

DRAWN

NAME
Fan Babulal

DATE
2/20/2017

COMMENTS:

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

SIZE
A

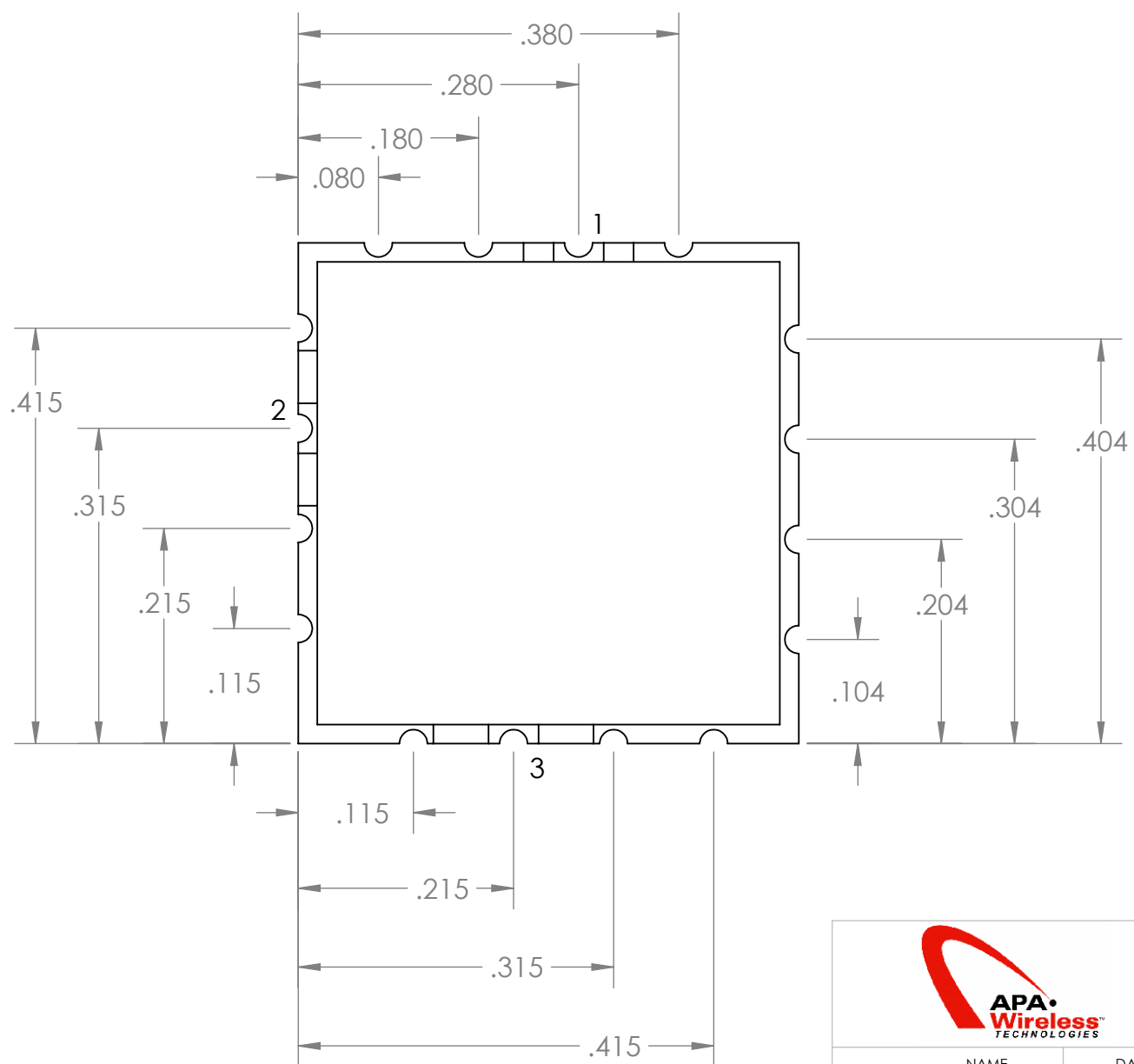
DWG. NO.	
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REV

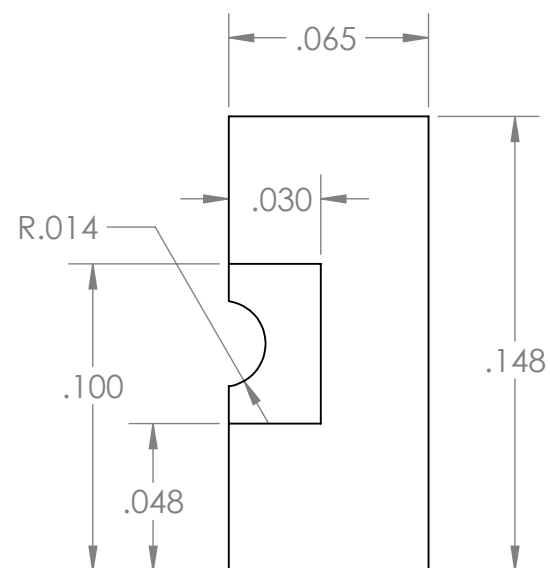
SCALE: 6:1

unit: inch

SHEET 1 OF 2



CONTACT DIMENSIONS



Scale: 16:1



DRAWN NAME
Stefan Babulal

DATE
2/20/2017

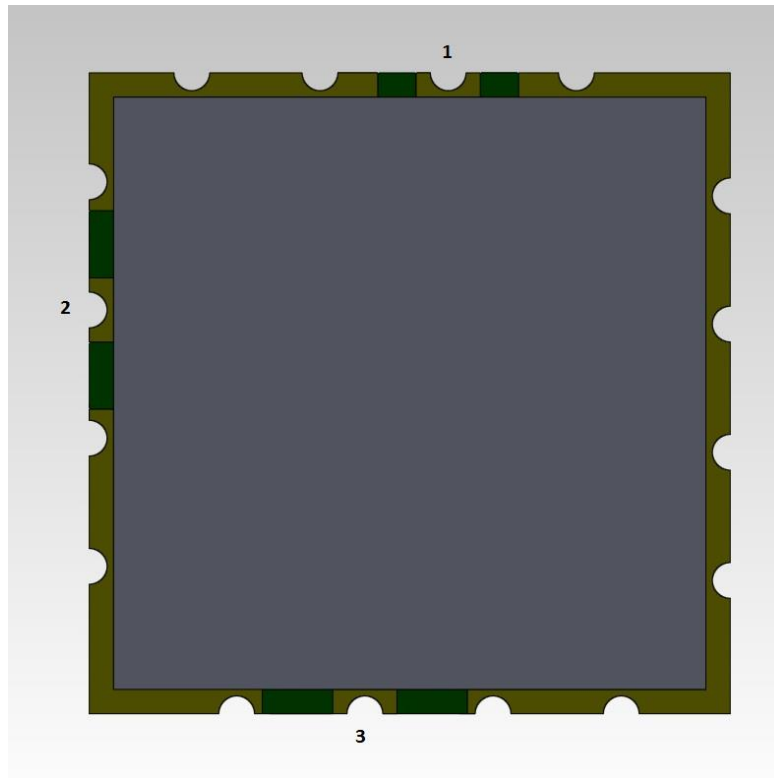
COMMENTS:
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TITLE:

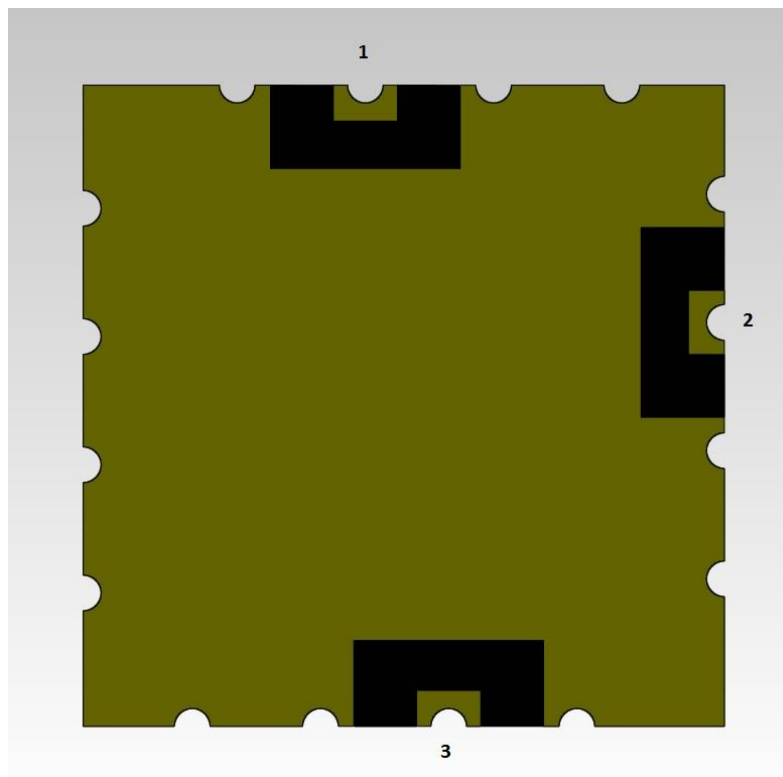
SMUA PACKAGE

SIZE	DWG. NO.	REV
A	1	

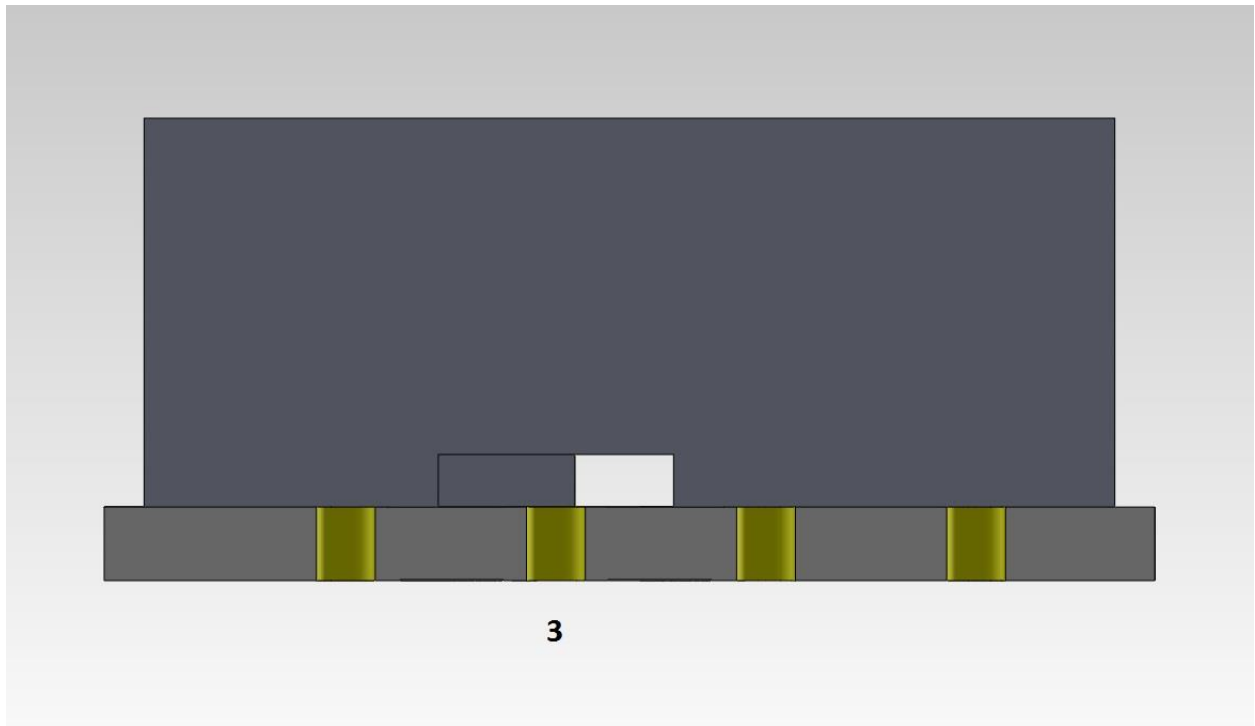
SCALE: 6:1	unit: inch	SHEET 2 OF 2
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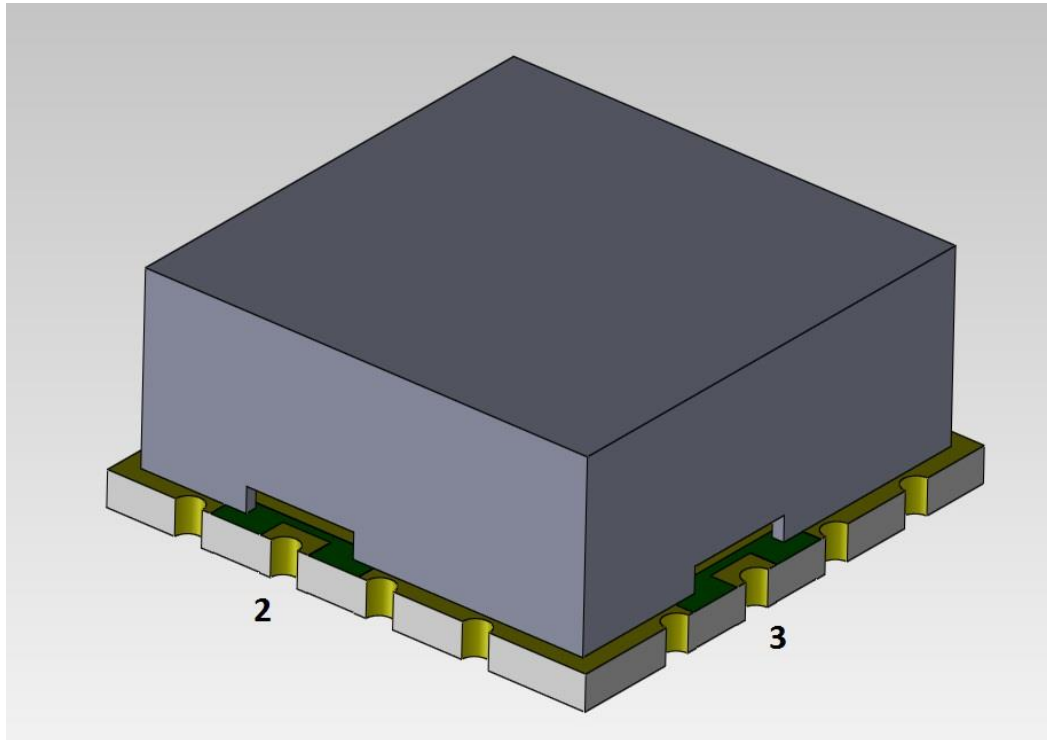
TOP VIEW



BOTTOM VIEW



SIDE VIEW



ISOMETRIC VIEW