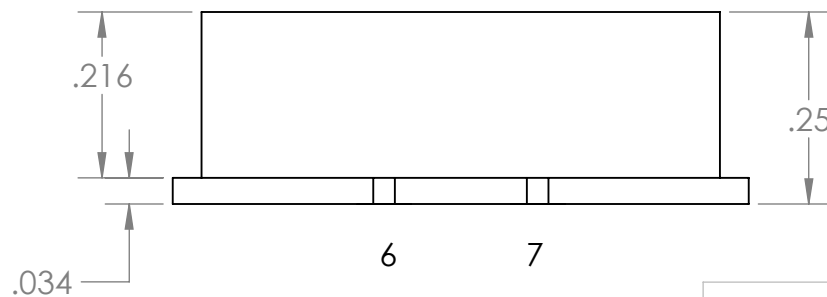
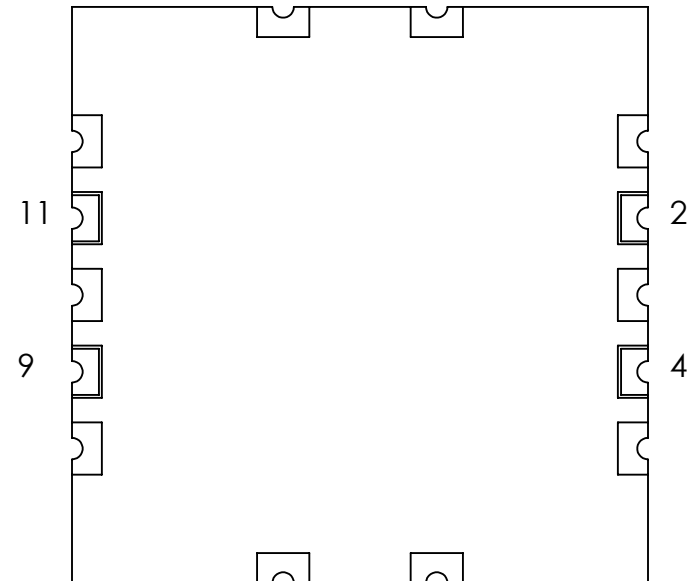
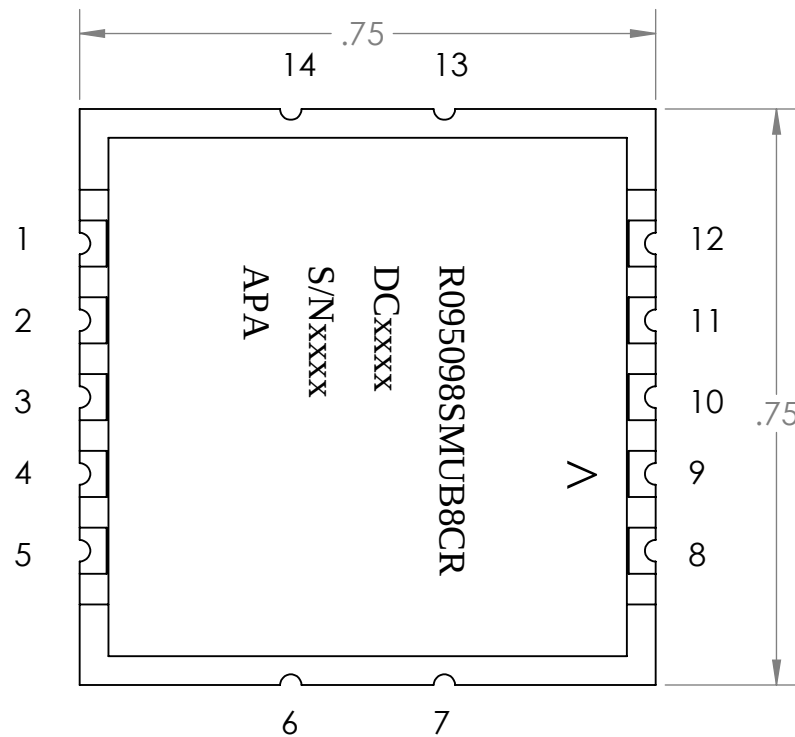




	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Production Test</u>	<u>First Article Test</u>
Frequency Range	950		982	MHz	1	..	..
Tuning Voltage	0		12	V	1	..	..
Modulation Sensitivity		3		MHz/V	1,7	..	..
Operates with Vtune = 0V					1	..	..
Output Power	4	6	8	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-74	-69	dBc/Hz	1	..	..
10 KHz Offset		-104	-99	dBc/Hz	1	..	..
100 KHz Offset		-127	-122	dBc/Hz	1	..	..
1 MHz Offset		-147	-142	dBc/Hz	1	..	..
10 MHz Offset		-164	-160	dBc/Hz	1	..	..
Pushing		0.2	1	MHz/V	3	..	..
Pulling (12dB RL, any phase)		0.3	1	MHz _{p-p}	3	..	..
3dB Modulation Bandwidth		1000		KHz	4	..	..
Tuning Port Capacitance		100		pF	2	..	..
Harmonics		-20	-10	dBc	3	..	..
Vcc		8.0		V			
Icc		29		mA	1,7	..	..
Operating Temperature	-40		+85	C	3	..	..
Package		SMUB			6	..	..
LxW		0.750		inch sq.	5	..	..
Height		0.250		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



CONTACT ASSIGNMENTS

2. TUNING VOLTAGE INPUT

4. NO CONNECT

9. RF OUTPUT

11. DC SUPPLY INPUT

ALL OTHER CONTACTS ARE GROUND

TOLERANCES

.x = $\pm .1$
 .xx = $\pm .01$
 .xxx = $\pm .005$
 Ang. = $\pm 2^\circ$



DRAWN NAME
 Stefan Babulal

DATE
 5/26/2017

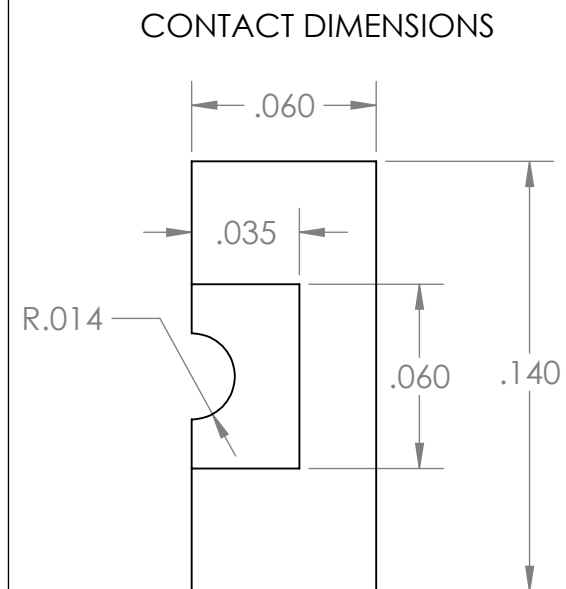
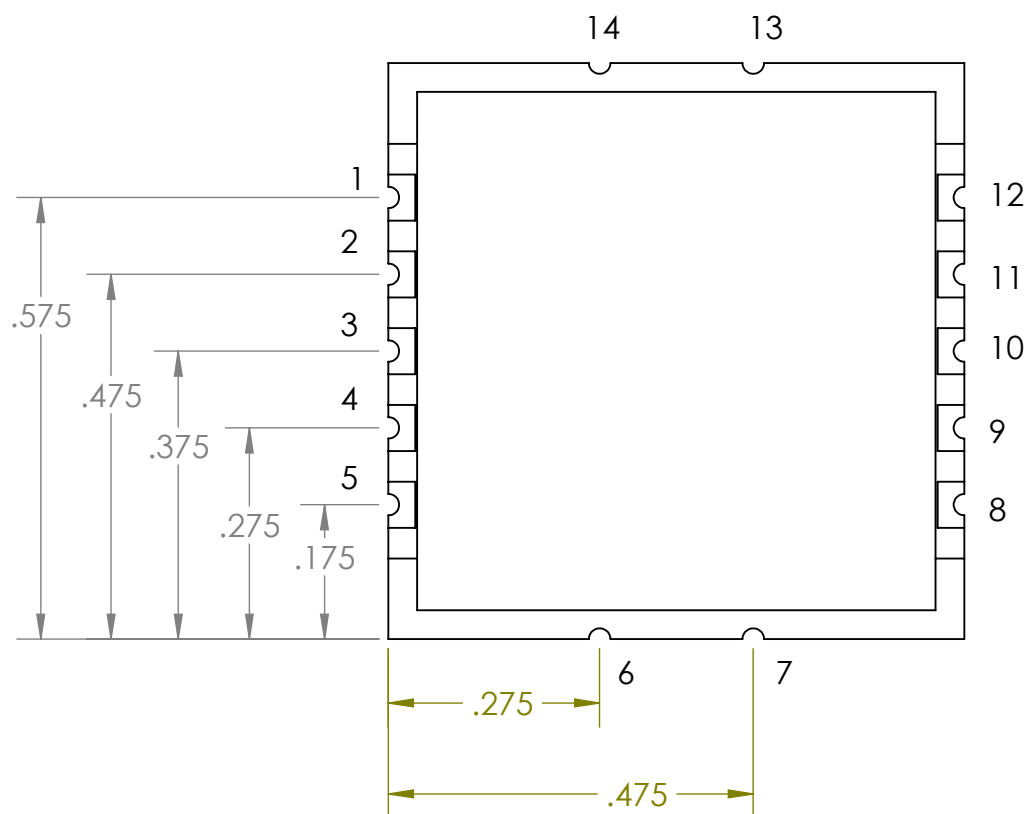
COMMENTS:
 Unless otherwise specified all dimensions are in inches.

TITLE:

SMUB PACKAGE

SIZE A	DWG. NO. 1	REV 1
------------------	---------------	----------

SCALE: 4:1	unit: inch	SHEET 1 OF 2
------------	------------	--------------



Scale: 16:1

TOLERANCES

.x = $\pm .1$
 .xx = $\pm .01$
 .xxx = $\pm .005$
 Ang. = $\pm 2^\circ$



DRAWN

NAME
Stefan Babulal

DATE

5/26/2017

COMMENTS:

Unless otherwise specified all dimensions are in inches.

TITLE:

SMUB PACKAGE

SIZE

A

DWG. NO.

1

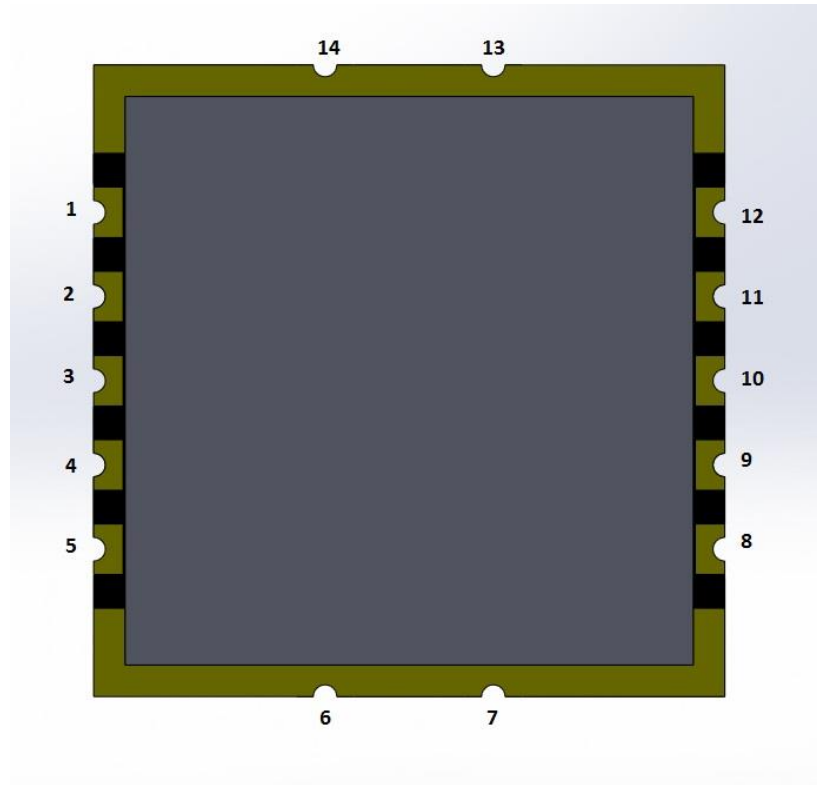
REV

1

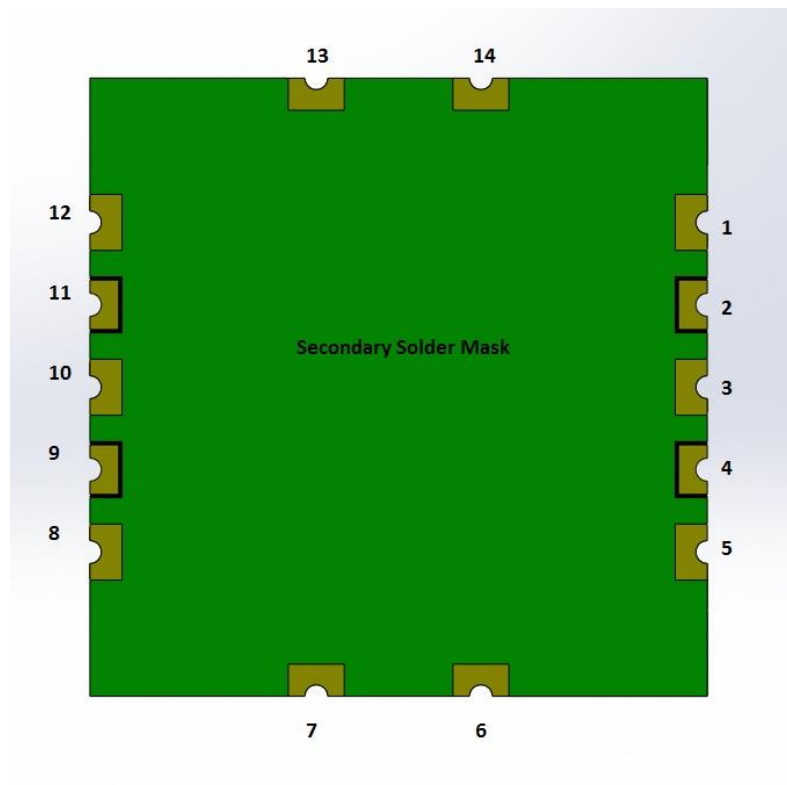
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unit: inch

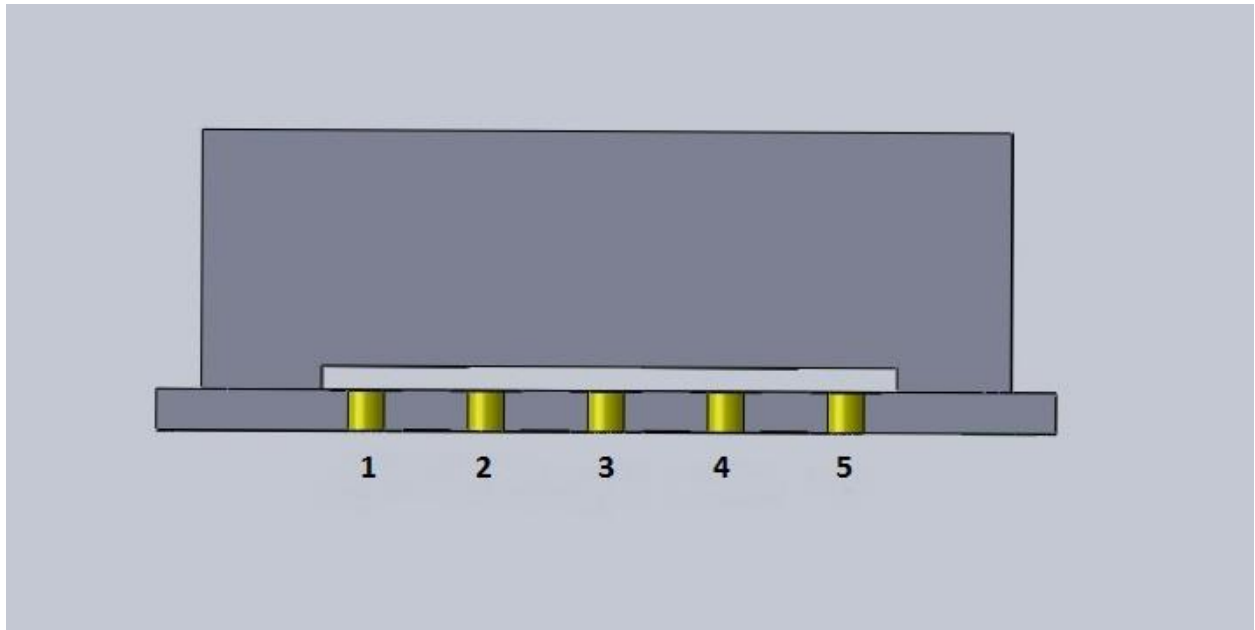
SHEET 2 OF 2



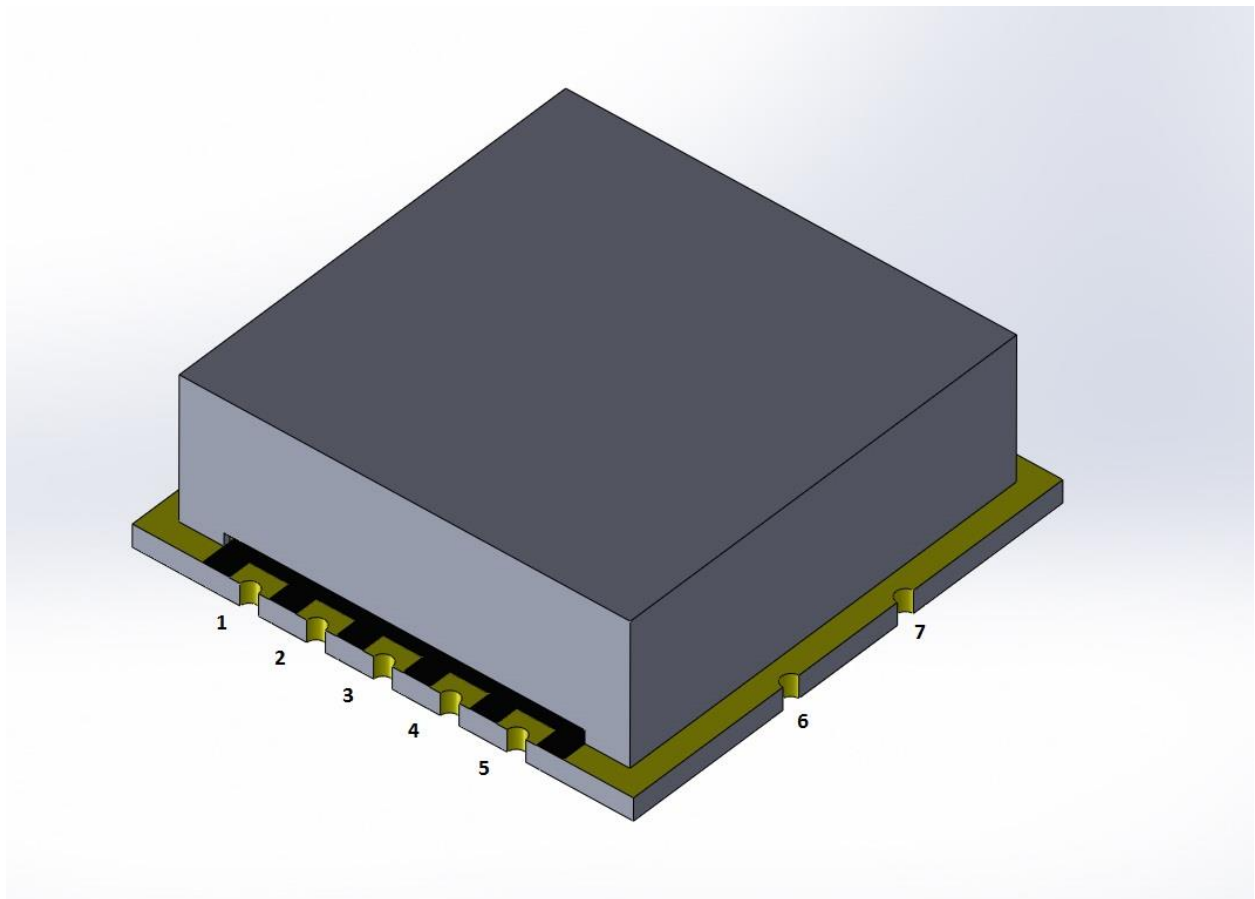
TOP VIEW



BOTTOM VIEW



SIDE VIEW



ISOMETRIC VIEW