



VCO R085088SMUA5_MOD_156

rev_0

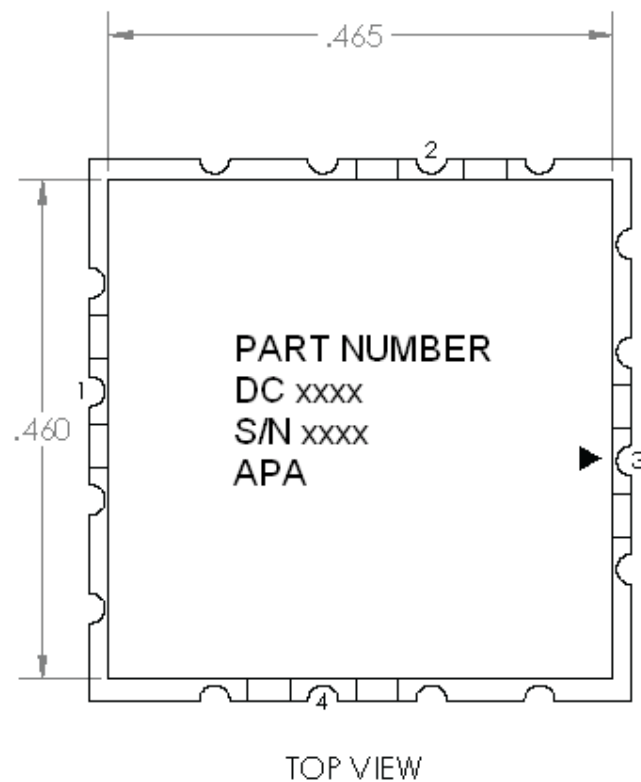
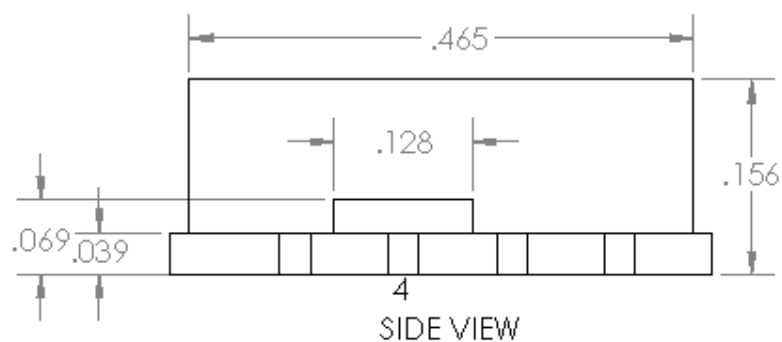
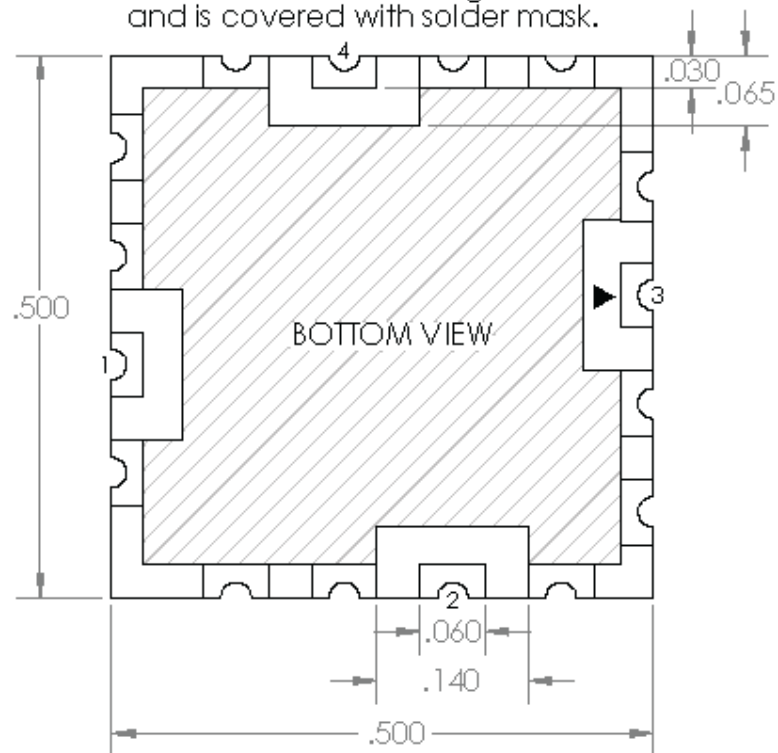
initial rev

	<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	845	860	875	MHz	1	..	..
Tuning Voltage @ 845 MHz	1	1.5		V	1	..	..
Tuning Voltage @ 875 MHz		3.5	4	V	1	..	..
Modulation Sensitivity	11	15	18	MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	0	3	6	dBm	1	..	..
Phase Noise @							
10 KHz Offset		-113	-106	dBc/Hz	1	..	..
100 KHz Offset		-133	-126	dBc/Hz	1	..	..
Pushing		0.5	1.2	MHz/V	3	..	..
Pulling (12dB RL, any phase)		1	2	MHz _{p-p}	3	..	..
Tuning Port Capacitance		100		pF	2	..	..
2nd Harmonic		-15	-10	dBc	3	..	..
Vcc	4.75	5.0	5.25	V	1	..	..
Icc		12	15	mA	1,10	..	..
Operating Temperature	-35		+85	C	3	..	..
Package		SMUA_156			6	..	..
LxW		0.500		inch sq.	5	..	..
Height		0.156		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. Parylene Conformal Coating
8. Foam Filled
9. Conformal Coating and Foam Fill
10. Design goal subject to change

NOTE: Hatched area is ground
and is covered with solder mask.



CONTACT ASSIGNMENTS

1. V-tune
2. VCC
3. RF out
4. Modulation



TITLE:

MOD_156 PACKAGE

DRAWN NAME Glenn Epps DATE 07/07/2017

COMMENTS:
Unless otherwise specified all dimensions are in inches.

SIZE
A

DWG. NO.

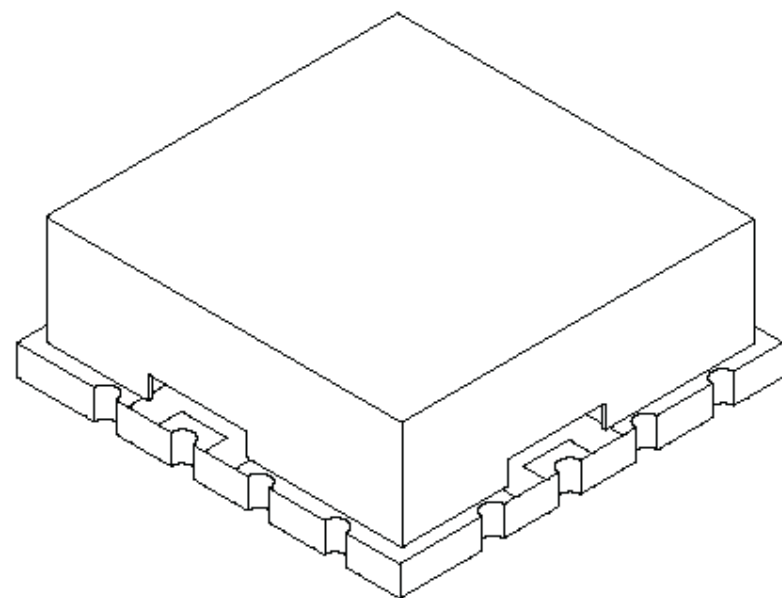
REV

1

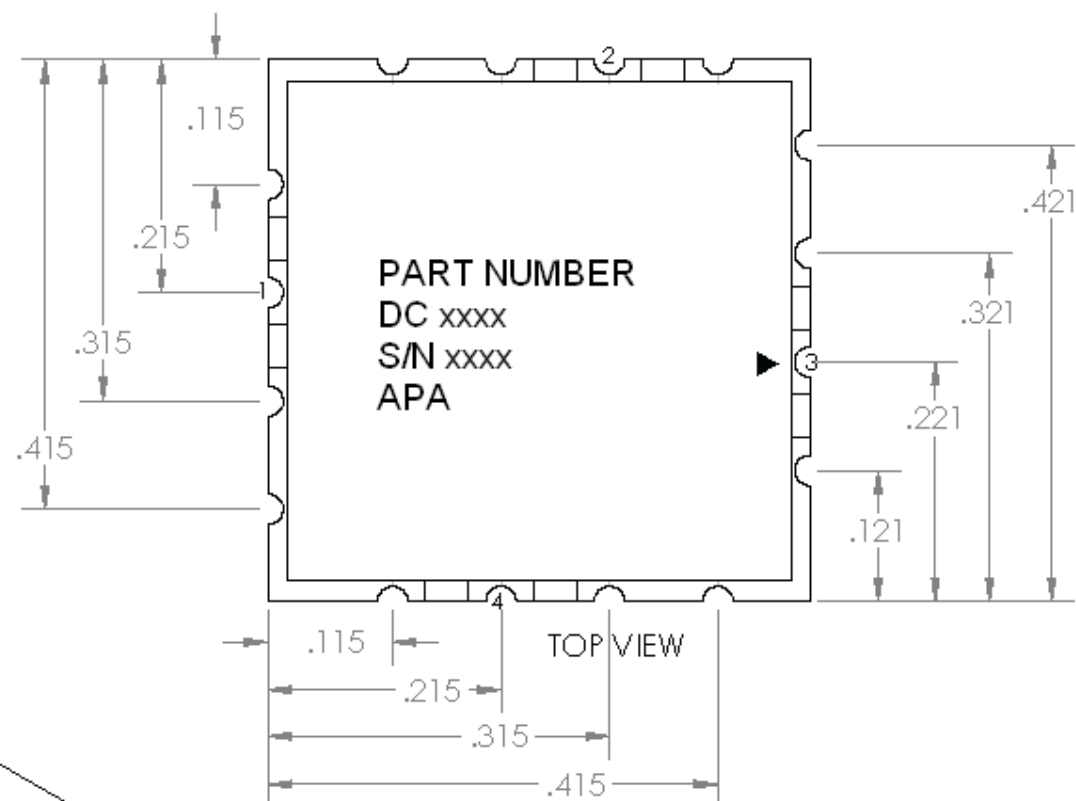
SCALE: 6:1

unit: inch

SHEET 1 OF 2



ISOMETRIC VIEW



CONTACT ASSIGNMENTS

1. V-Tune
2. VCC
3. RF Out
4. Modulation



NAME
Glenn Epps

DATE
07/07/2017

COMMENTS:
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TITLE:

MOD_156 PACKAGE

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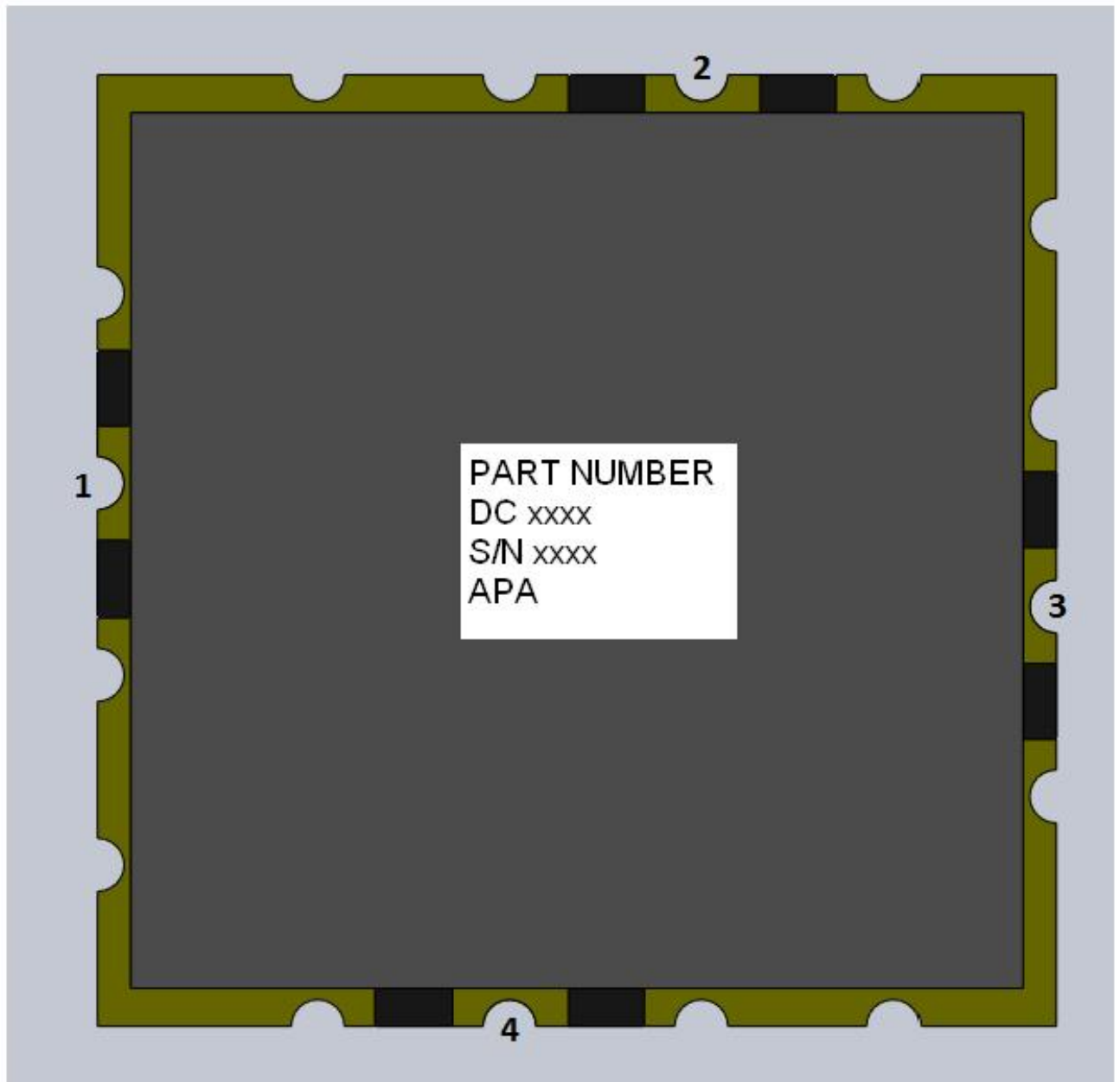
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REV

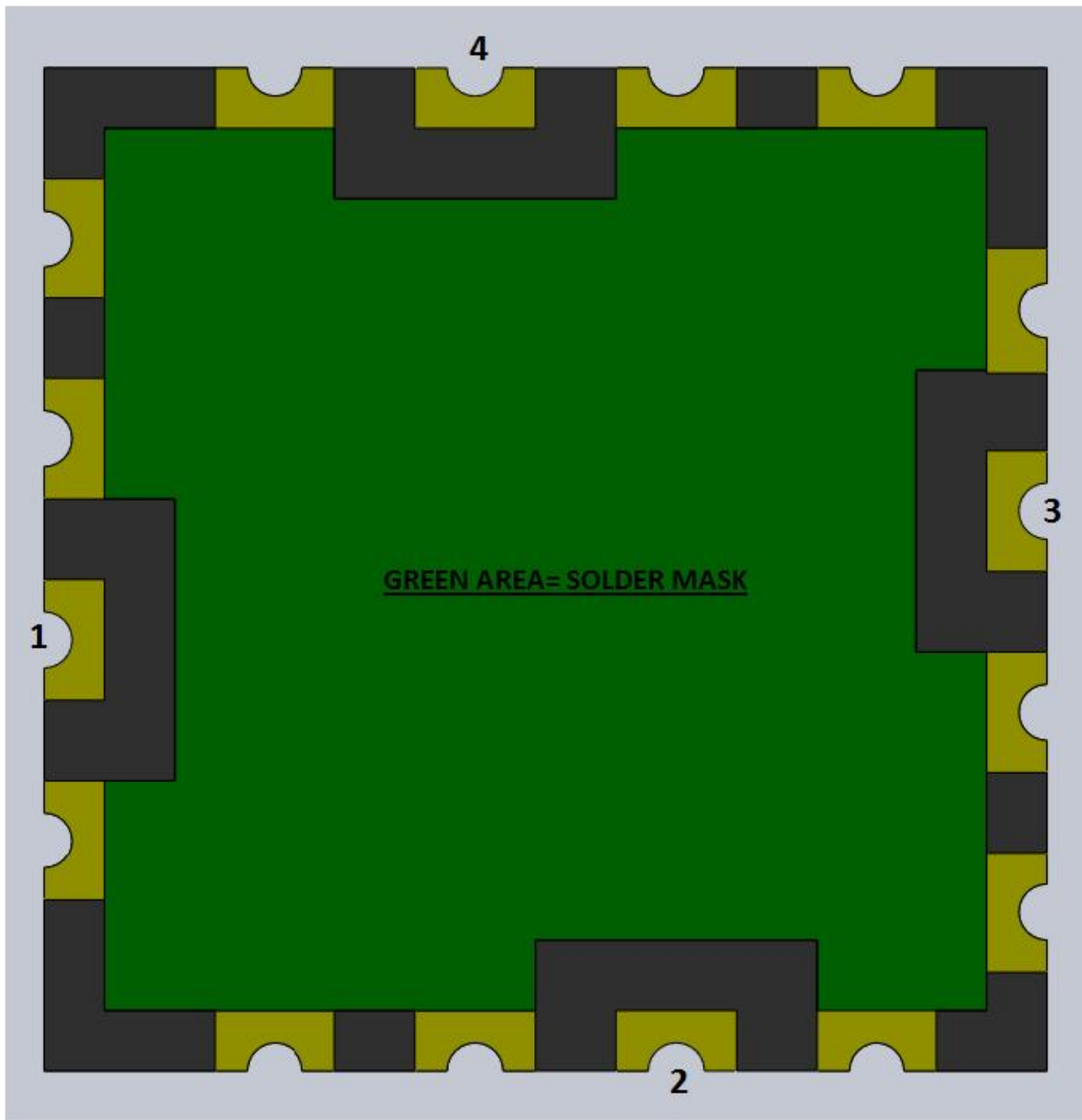
SCALE: 6:1

unit: inch

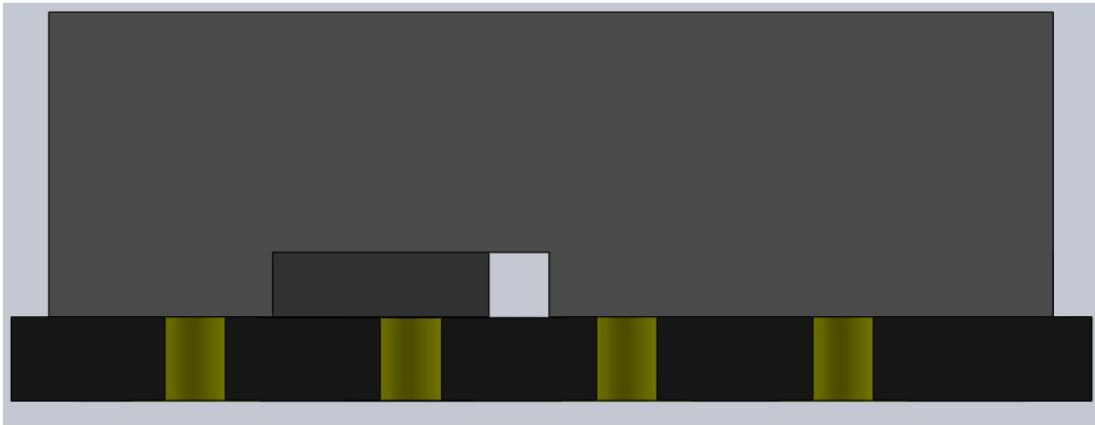
SHEET 2 OF 2



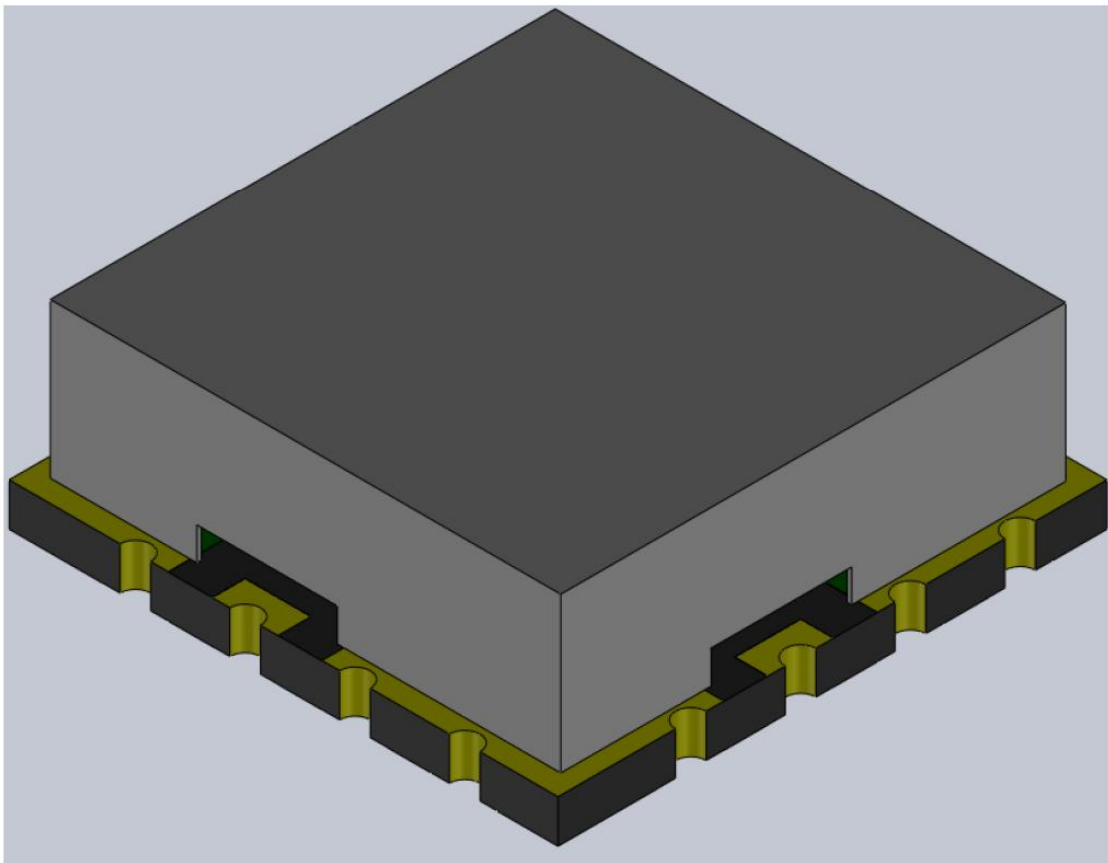
TOP VIEW



BOTTOM VIEW



SIDE VIEW



ISOMETRIC VIEW