



VCO R2040SM343_5

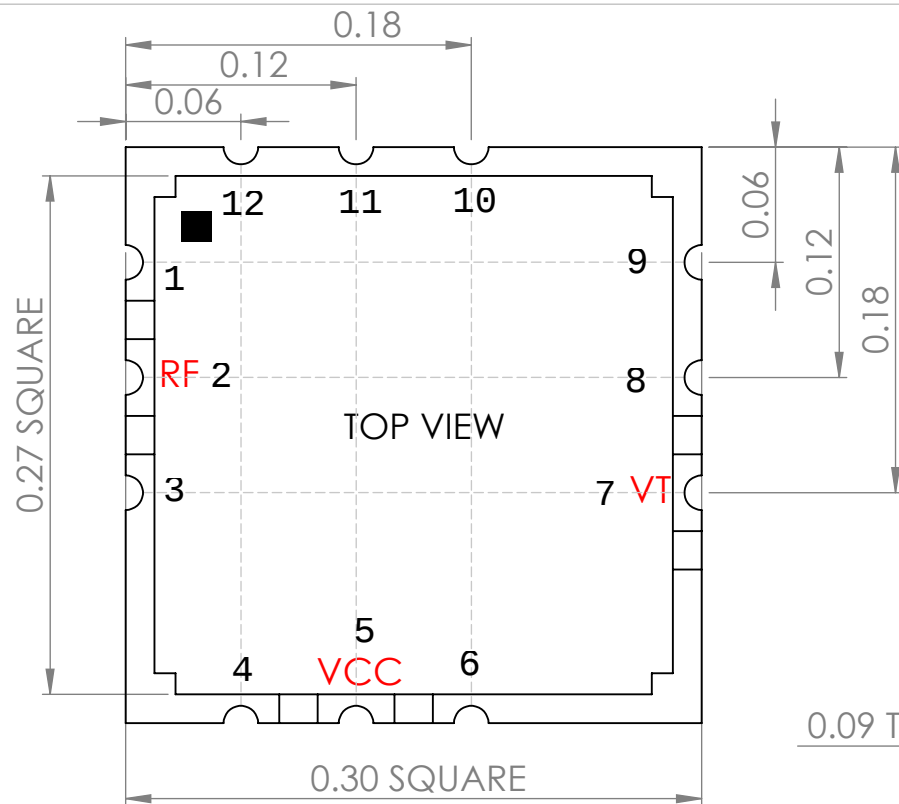
rev_0
rev_1
rev_2

initial rev
mask pcb bot
pin no's &
orientation mk

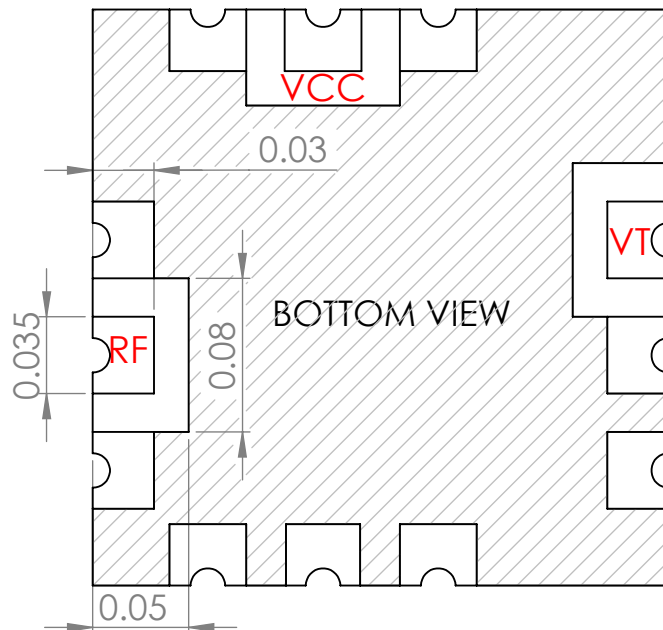
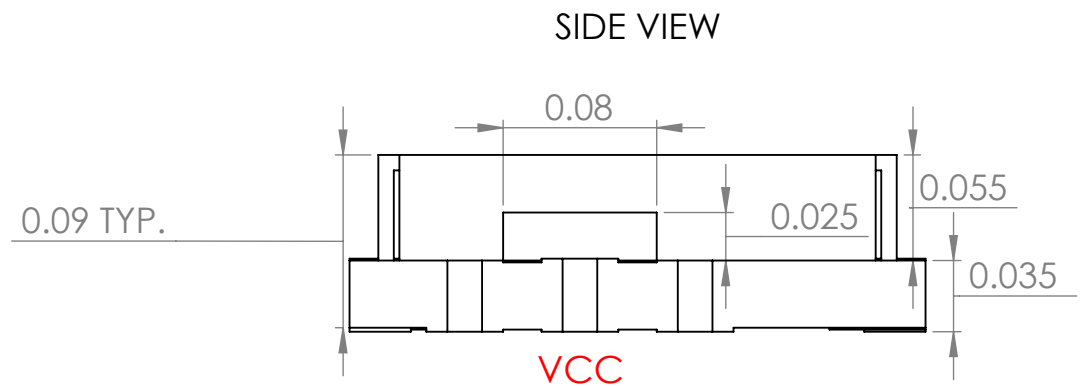
	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Production Test</u>	<u>First Article Test</u>
Frequency Range	2000		4000	MHz	1	☐	☐
Tuning Voltage	0		18	V	1	☐	☐
Modulation Sensitivity	40	150	200	MHz/V	1	☐	☐
Operates with Vtune = 0V					1	☐	☐
Output Power	-2		5	dBm	1	☐	☐
Phase Noise @							
1 KHz Offset		-62		dBc/Hz	1	☐	☐
10 KHz Offset		-89		dBc/Hz	1	☐	☐
100 KHz Offset		-111		dBc/Hz	1	☐	☐
1 MHz Offset		-132		dBc/Hz	1	☐	☐
10 MHz Offset		-152		dBc/Hz	1	☐	☐
Pushing		4		MHz/V	3	☐	☐
Pulling (12dB RL, any phase)		4		MHz _{p-p}	3	☐	☐
Modulation Bandwidth		5		MHz	4	☐	☐
Tuning Port Capacitance		47		pF	2	☐	☐
Harmonics			-10	dBc	3	☐	☐
Vcc		5.0		V			
Icc		28		mA	1	☐	☐
Operating Temperature	-40		+85	C	3	☐	☐
Package		343-1			6,8	☐	☐
LxW		0.300		inch sq.	5	☐	☐
Height		0.100		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. Full mask (no paddle) on bottom of pcb



 Areas filled in with hash lines represent solder mask



		Title:		
		300mil 343 package		
DRAWN	NAME Glenn Epps	DATE 10/22/2018	SIZE A	DWG. NO. 1
COMMENTS: all dimensions shown in inches			REV	
SCALE 6:1		unit: inch	SHEET 1 OF 1	

