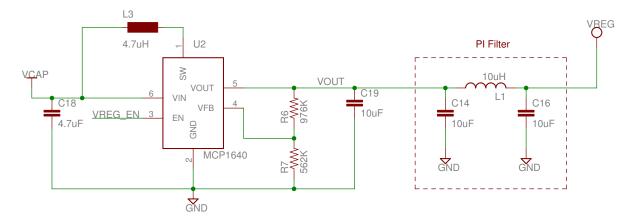
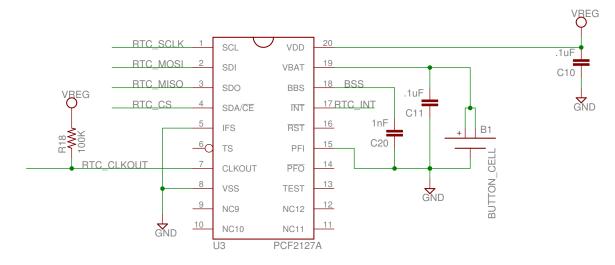


## Currently, SCAP is connected to GND via 1K resistor.



Voltage Detection Circuit Switching Regulator		
TITLE: gecko		
Document Number:		REV:
Date: 10/21/13 1:51 PM	Sheet: 2	2/3

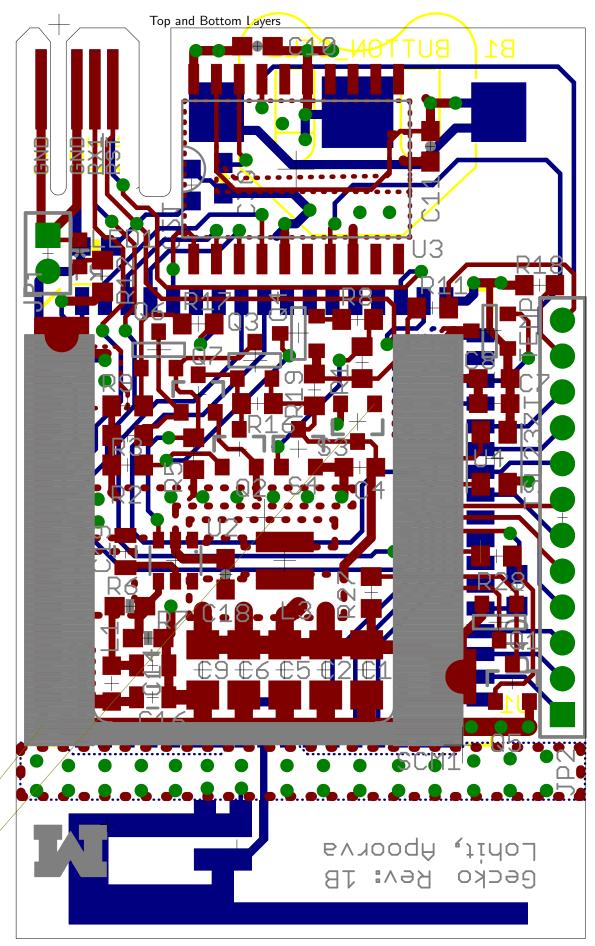
#Remove the 32KHz crystal on Epic core. Solder RTC\_CLKOUT to ACLK input instead.



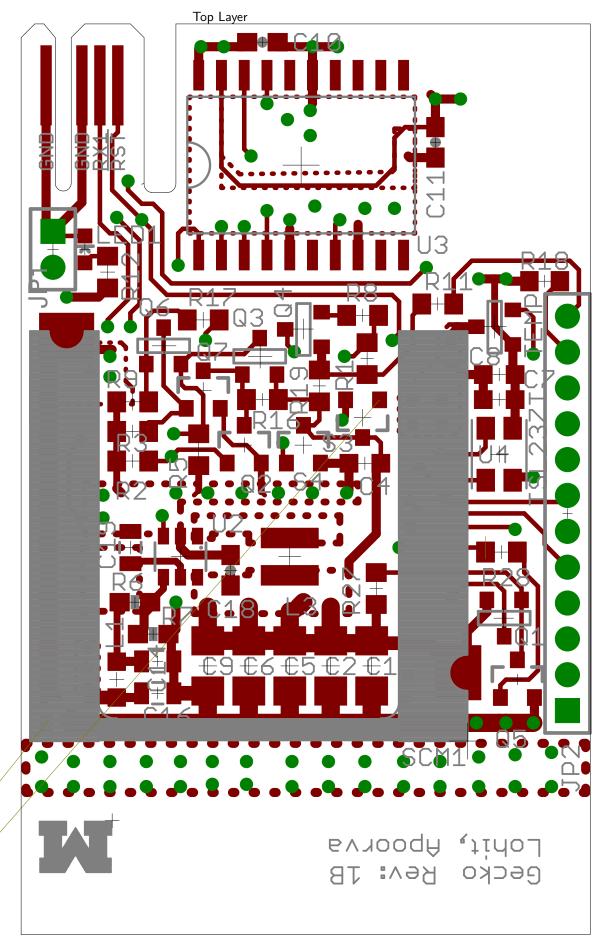
**#SCAP** stuff removed

Real Time Clock		
TITLE: gecko		
Document Number:		REV:
Date: 10/21/13 1:51 PM	Sheet: 3	3/3

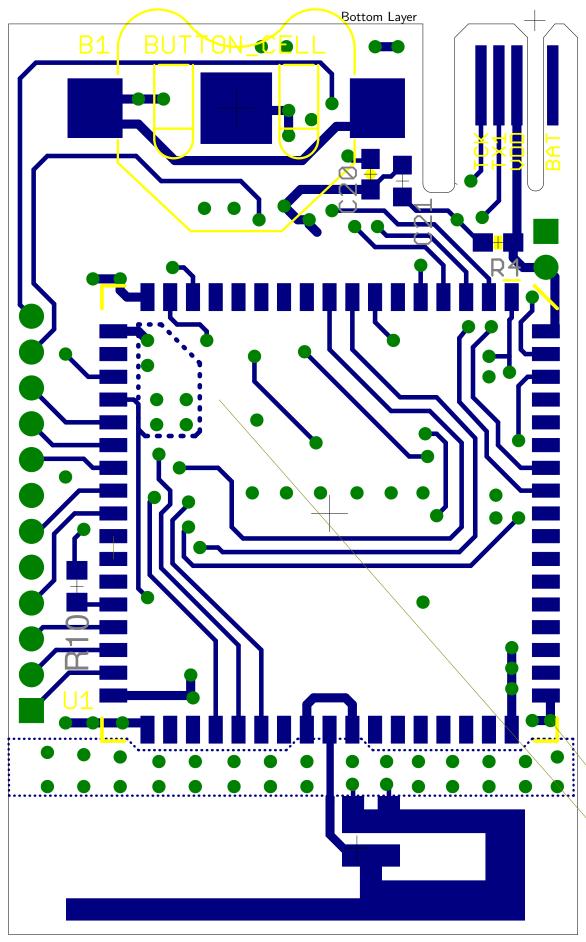
3

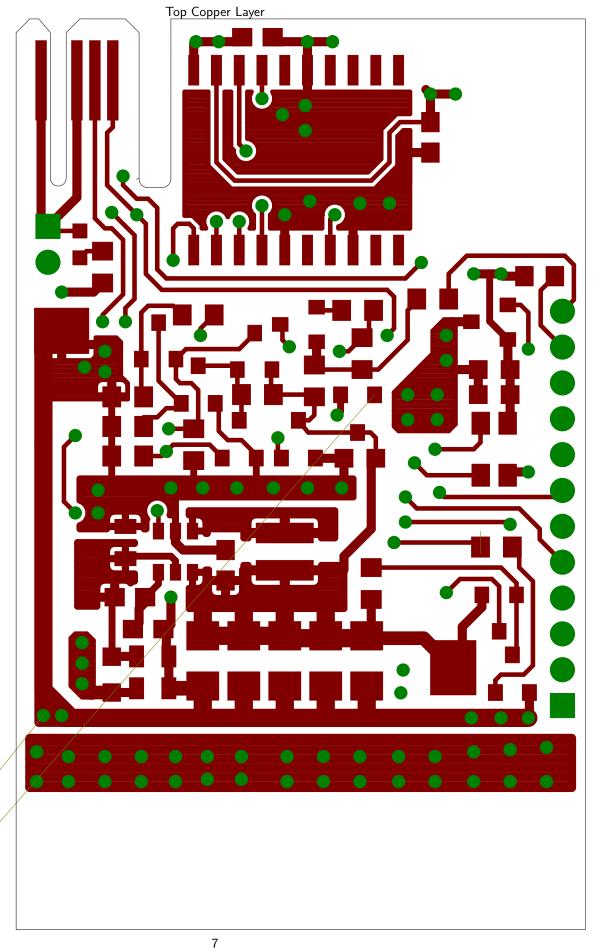


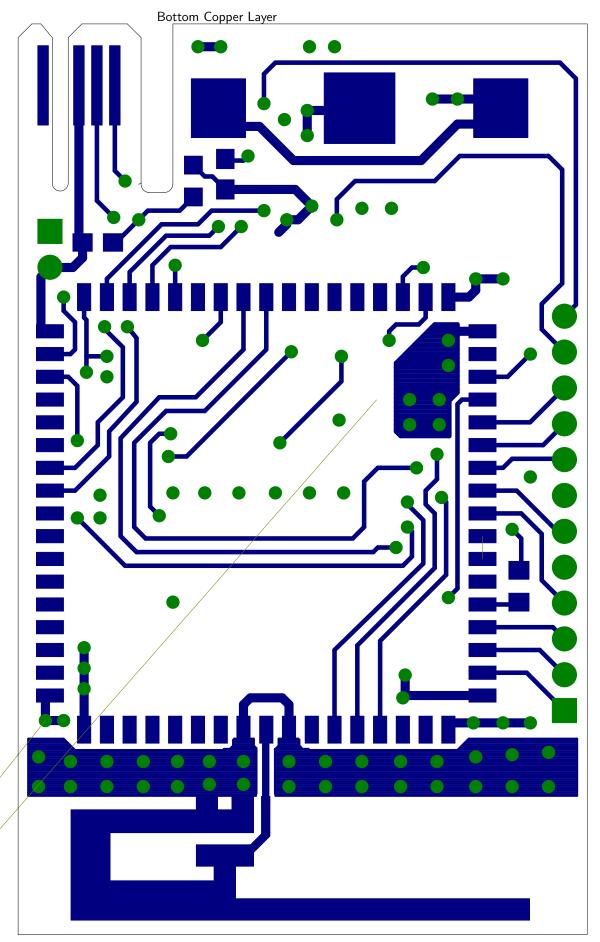


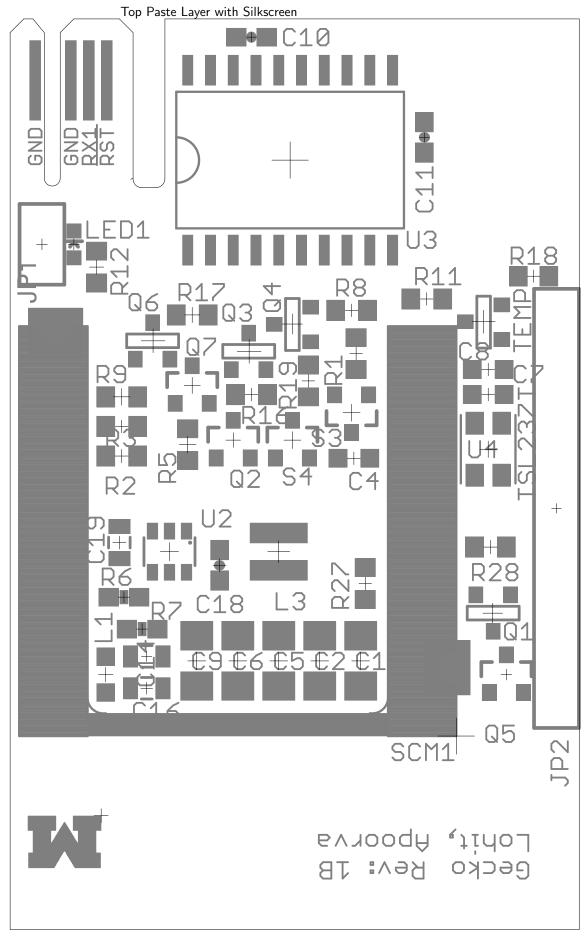




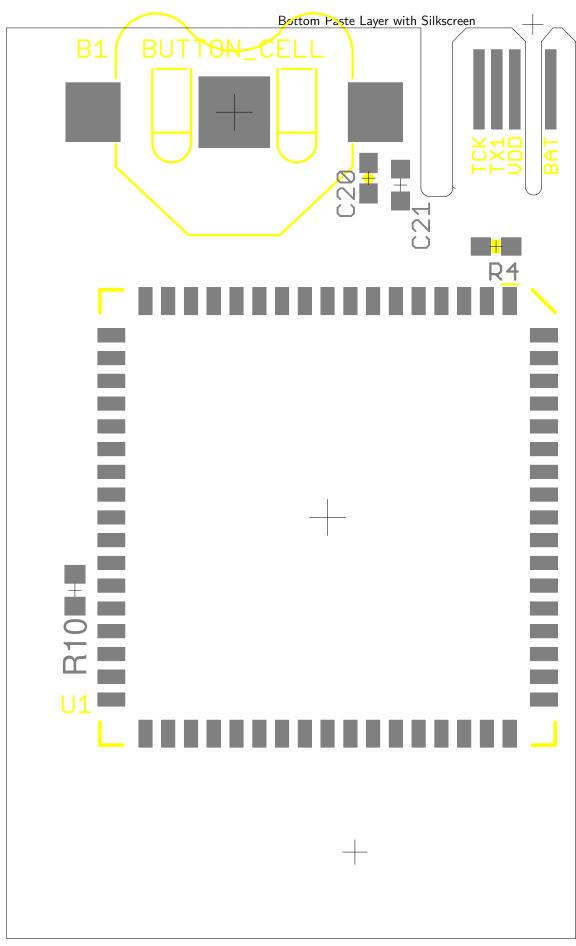


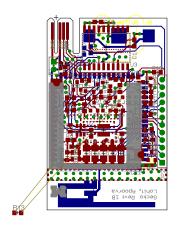


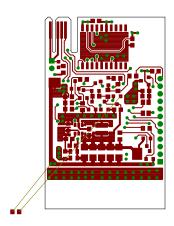


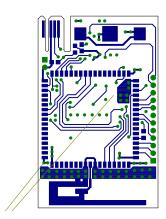












## $Partlist\ exported\ from\ /Users/lohityerva/Dropbox/Eagle/Gecko/Gecko\ with\ VREG\ revB/Gecko.sch\ at\ 6/14/12$

Qty Valu	e Device 1	Parts LED0603	Digi-Key (others)
*	00hm Resistor	****	
	4 .1uF	CAP0603-CAP	
	7 1K	R-US_R0603	
	1 1nF	CAP0603-CAP	
	1 4.7uF	CAP0603-CAP	
			Order from coilcraft direct
	1 4.7uH	INDUCTOR	->
	2 10nF	CAP0603	
	3 10uF	CAP0805	
	1 10uH	L-USL2012C	(0805 layout)
	1 47K	RESISTOR0603-RES	
<u>1</u>	10 100K	R-US_R0603	

5 100uF 1	C-USC1206 470 RESISTOR	478-3130-1-ND
1 562K	RESISTOR0603-RES	
1 976K	RESISTOR0603-RES	
1 1382S 2.2V	138	2 MN1382SCPCT-ND
1 PLITTON CELL	BUTTON_CELL	3000KCT-nd
1 BUTTON_CELL	BOTTON_CELL	3000KC1-IIu
1 EPIC-CORE_A	EPIC-CORE_A	
4 PMOS	PMOSSOT23	SI2305ADS-T1-GE3CT-ND
2 NMOS	MOSFET-NCHANNELSMD	568-2355-1-ND
1 MCP1640 1 PCF2127A	MCP1640 PCF2127A	MCP1640T-I/CHYCT-ND
1 SOLAR_CELL_MOUN	IT SOLAR_CELL_MOUNT	(Dropbox Eagle part)

2 TC54VC 2.9V 1382 TC54VC2902ECB71CT-ND 1 TC1047A TC1047A

1 TSL237T TSL237T 856-TSL237T

## ! 10:16 PM

Discription

RED? LED1

Look at schematic SCAP1

C10 C11 C7 C8

R13 R20 R10 R11 R17 R28 R23

C20

C18

EPL3012-472MLB L3

C4 C21

C14 C16 C19

L1

R4

R18 R2 R3 R5 R8 R9 R16 R19

,	R12			
	R7 R6			
IC VOLT DETECT 2.0V CMOS SMD	S4			
HOLDER BATTERY COIN 12MM DIA SMD	B1			
	U1			
MOSFET P-CH 8V 5.4A SOT23-3	Q6	Q3	Q1	Q4
MOSFET N-CH 30V 4.9A SOT-23	Q7	Q5	Q2	
IC BOOST SYNC ADJ 0.1A SOT23-6	U2 U3			
GECKO-SOLAR-MOUNT-A	SCM1			

18

CAP TANT 100UF 6.3V 20% 1210 (low DCL) C1 C2 C5 C6 C9

IC VOLT DETECTOR 2.9V SOT23A S1 S3

TEMP

U4

R27 R22