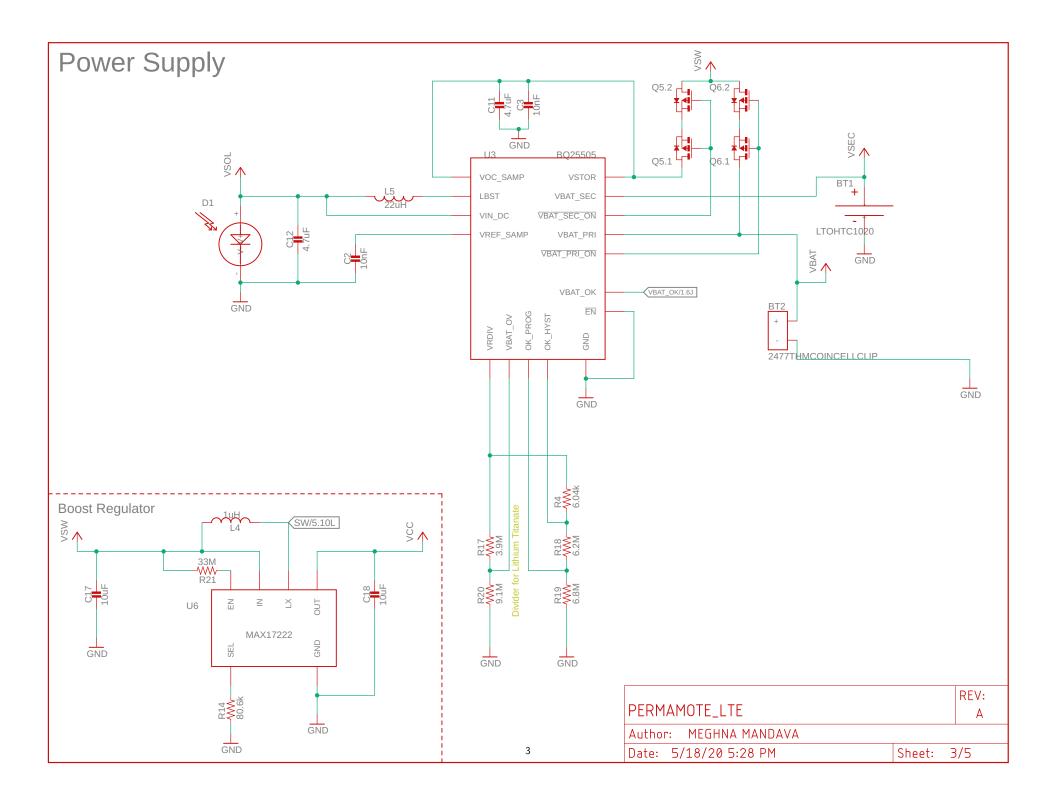


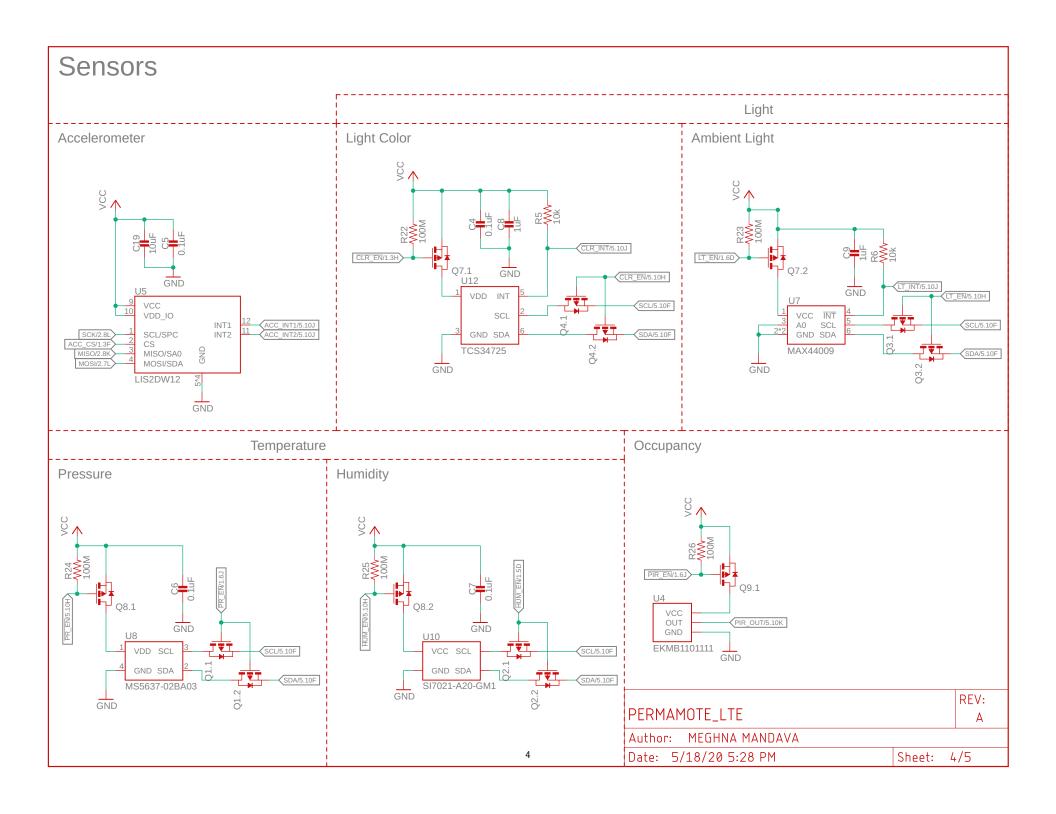
2

PERMAMOTE\_LTE A

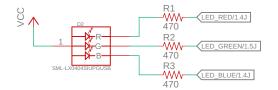
Author: MEGHNA MANDAVA

Date: 5/18/20 5:28 PM Sheet: 2/5

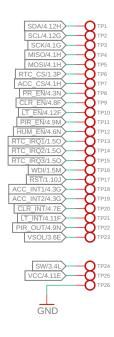




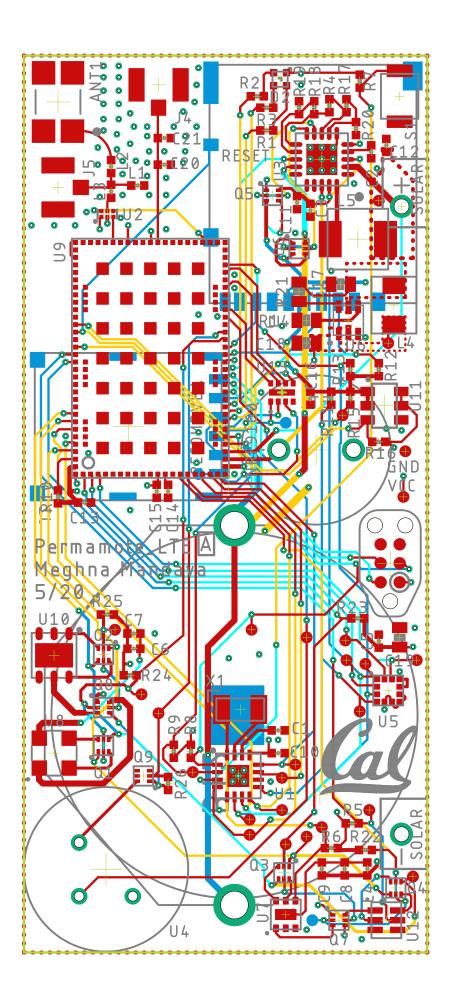
## Debugging

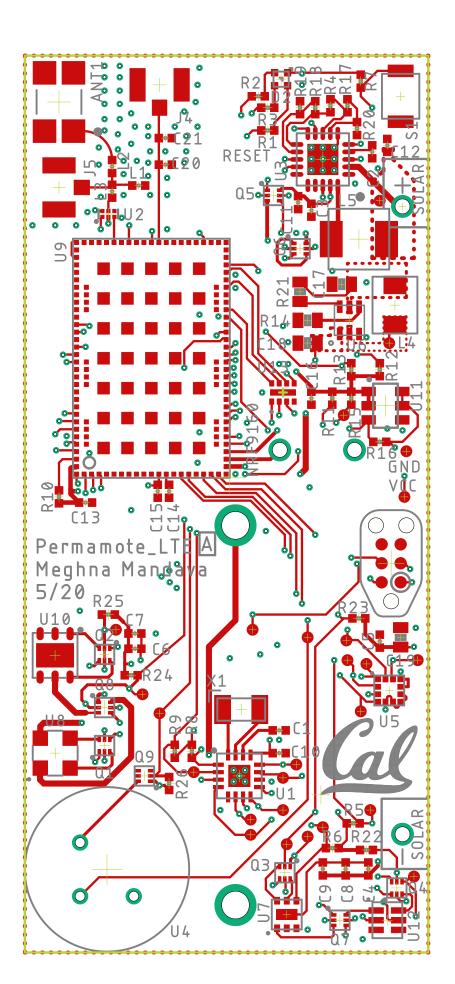


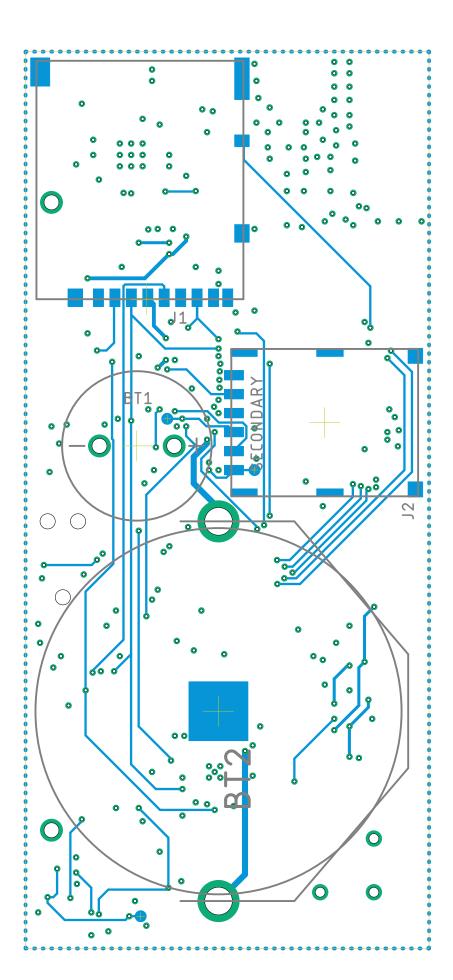
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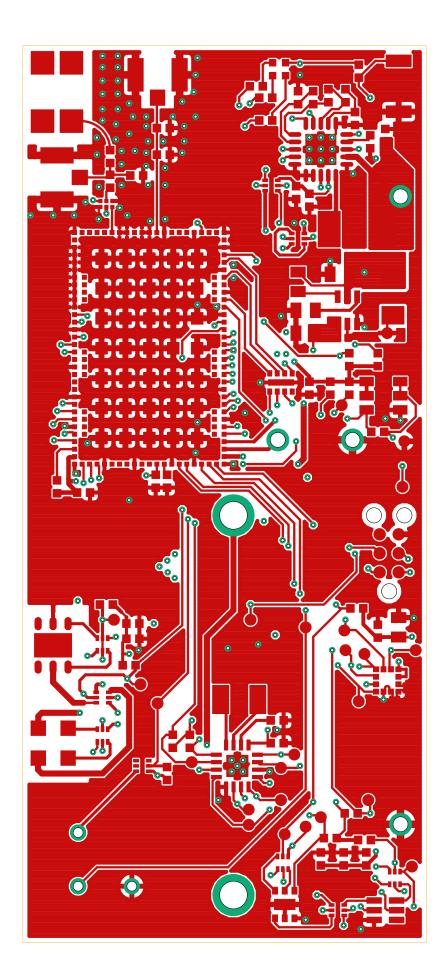


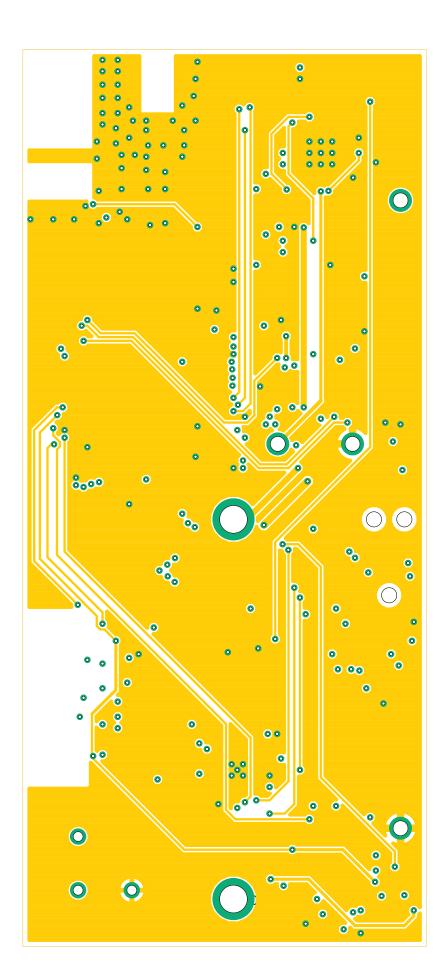
PERMAMOTE_LTE				
Author: MEGHNA MANDAVA				
Date: 5/18/20 5:28 PM Sheet:	5/5			

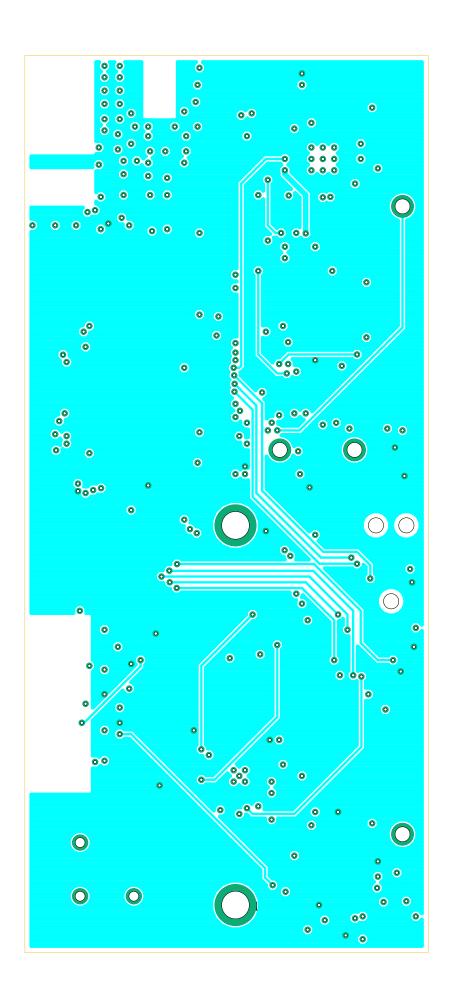


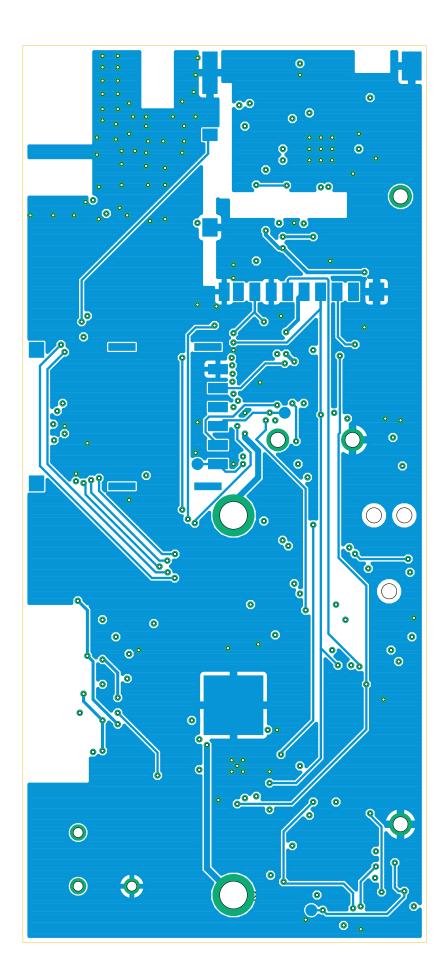


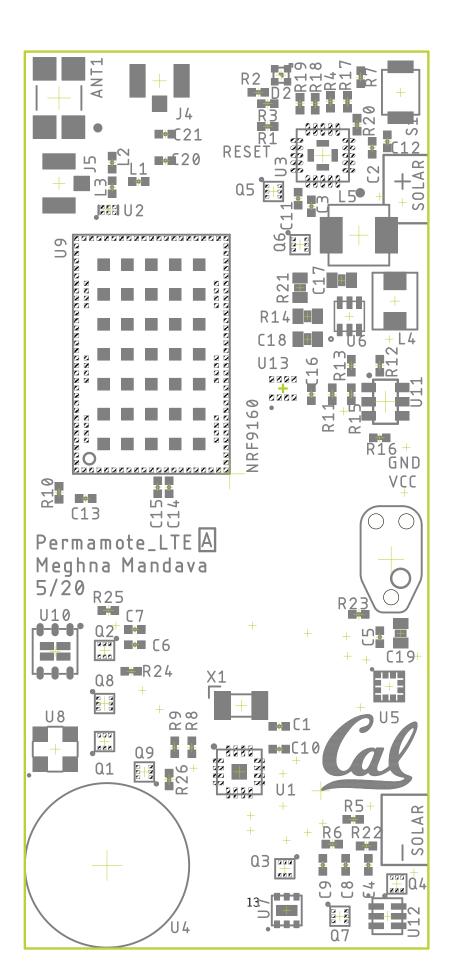


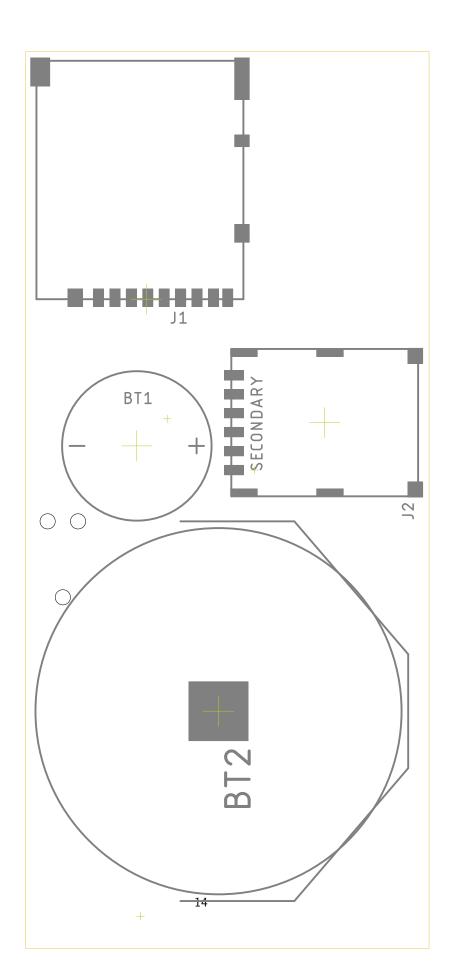


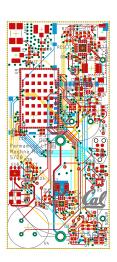




















y Value	Device	Package		Description	DESCRIPTION
4 0.1uF	CAPACITOR0402_CAP	0402_CAP	C4, C5, C6, C7	SMD Capacitor	
1 1.8nH	INDUCTOR0402	0402 CAP	LI	A very specific inductor	
5 100M	RESISTOR0402 RES	0402 RES	R22, R23, R24, R25, R26	Resistor	
2 100k	RESISTOR0402 RES	0402 RES	R15, R16	Resistor	RES SMD 100K OHM
6 10k	RESISTOR0402 RES	0402 RES	R5, R6, R7, R8, R9, R10	Resistor	
3 10k	RESISTOR0402 RES	0402 RES		Resistor	
2 10nF	CAPACITOR0402 CAP			SMD Capacitor	
3 10uF	CAPACITOR0603 CAP			SMD Capacitor	
1 14623500				Antenna GPS 1.4dBi Gain 1578MHz SMD T/R	Antenna GPS 1.4dBi (
3 luF	CAPACITOR0402 CAP			SMD Capacitor	Tuncina Orb I. lubi
1 luH	INDUCTORIHL			A very specific inductor	
1 22uH	INDUCTOR74437324220			A very specific inductor	
	.CLIP477THMCOINCELLCLI			Battery clip for 2477 Coin Cell	
1 3.9M		0402 RES		Resistor	
	RESISTOR0402_RES				
1 33M		0603-RES		Resistor	
5 4.7uF	CAPACITOR0402_CAP			SMD Capacitor	
1 4.7uF	CAPACITOR0402_CAP			SMD Capacitor	
				Resistor	
1 47pF	CAPACITOR0402_CAP			SMD Capacitor	
1 5.1nH	INDUCTOR0402			A very specific inductor	
1 6.04k	RESISTOR0402_RES	0402_RES		Resistor	
1 6.2M	RESISTOR0402_RES	0402_RES		Resistor	
1 6.8M	RESISTOR0402_RES	0402_RES	R19	Resistor	
1 7.5nH	INDUCTOR0402	0402 CAP	L3	A very specific inductor	
1 80.6k	RESISTOR0603 RES	0603-RES	R14	Resistor	
1 9.1M	RESISTOR0402 RES	0402 RES	R20	Resistor	
1 AB1815-T3	AB1815-T3	QFN-16-3MM	UI	Ultra-low current RTC. 55nA quiescent @ 3V. 1.5-3.6V input.	
1 ABS07-32,768KHZ-7	T ABS07-32.768KHZ-7-T	2-SMD	X1	32.768kHz Crystal	
1 B3U-1000P	B3U-1000P	B3U-1000P		Switch	
1 BGA725L6	BGA725L6	LNA-TSLP-6-2-ORIC	112		
1 BQ25505	BQ25505	S-PVQFN-N20-RGR		EH front end for switching between primary and secondary cells	
1 DM3AT-SF-PEJM5	DM3AT-SF-PEJM5	DM3AT-SF-PEJM5		CONN MICRO SD R/A PUSH-PUSH SMD	CONN MICRO SD CA
2 DNP	CAPACITOR0402 CAP			SMD Capacitor	CONTA MICKO SD CA
1 EKMB1101111	EKMB1101111			Passive infrared human detection sensor with built-in amp.	
1 LIS2DW12	LIS2DW12			ultra low power 3 axis accelerometer	
1 LTOHTC1020	LTOHTC1020	1020		unta tow power 3 axis acceleronicier	
				T. 111 001 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
1 MAX17222	MAX17222			Very high efficiency, very low power boost converter suitable for EH applications	
1 MAX44009	MAX44009	UDFN-6-EXPOSED		low power ambient light sensor	
1 MS5637-02BA03	MS5637-02BA03			low power pressure sensor	
1 NANO_SIM	NANO_SIM	WURTH_NANO_SIN		WURTH Nano SIM Connector	
1 NRF9160	NRF9160		U9		
9 PMDXB950UPEL	PMDXB950UPEL			20 V 500mA, dual P-channel Trench MOSFET	
1 SI7021-A20-GM1	SI7021-A20-GM1			IC TEMP SENSOR RH 2% DFN	
1 SIP32510	SIP32510			Load switch, slew rate controlled. By Vishay	IC LOAD SWITCH S
1 SML-LX0404SIUPGU	JSB SML-LX0404SIUPGUSB			1mm^2 RGB LED	
1 SOLARCELLHOLES	SOLARCELLHOLES	SOLAR_HOLES	DI	Generic solar cell	
1 TC2030-JLINK-NL	TC2030-JLINK-NL	TC2030-IDC-NL	J3		
1 TCS34725	TCS34725		U12	Color Light-to-Digital Converter with IR Filter	
9 TEST-POINT	TEST-POINT		TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17		
1 TPD3F303DPVR	TPD3F303DPVR		U13	, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,	
			J4, J5	U.FL-R-SMT Antenna Connector	