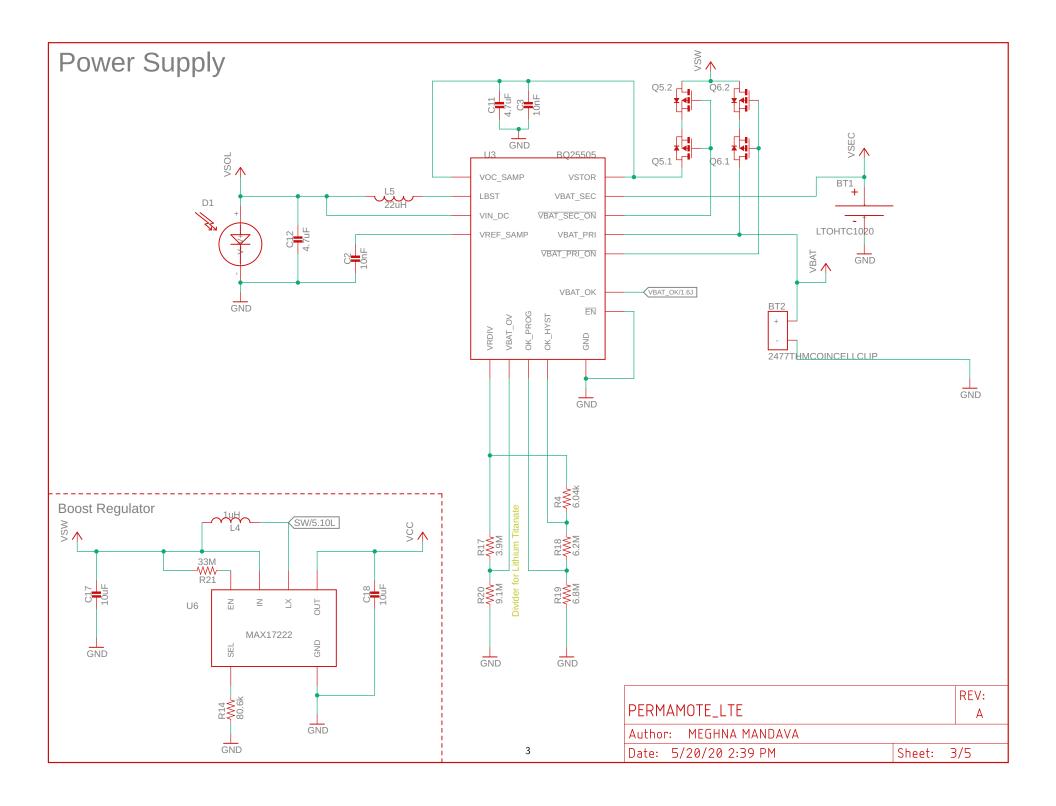
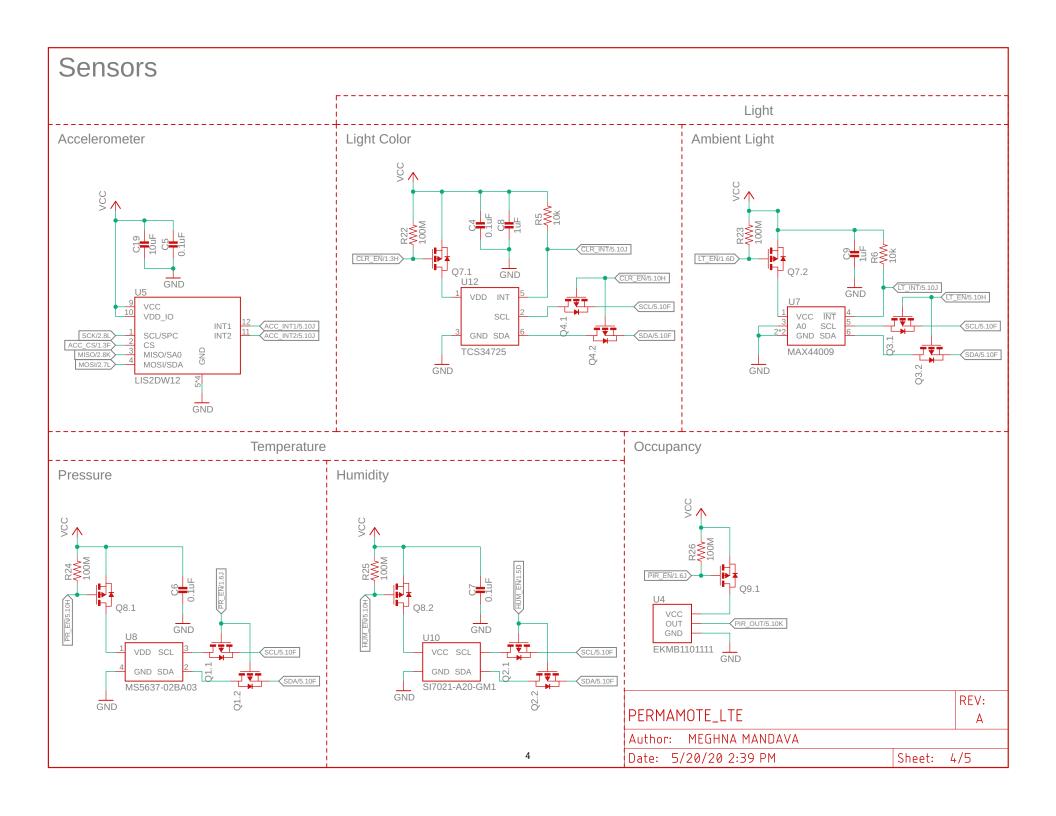


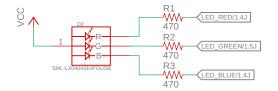
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PERMAMOTE_LTE REV:
A
Author: MEGHNA MANDAVA
Date: 5/20/20 2:39 PM Sheet: 2/5

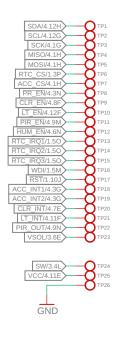




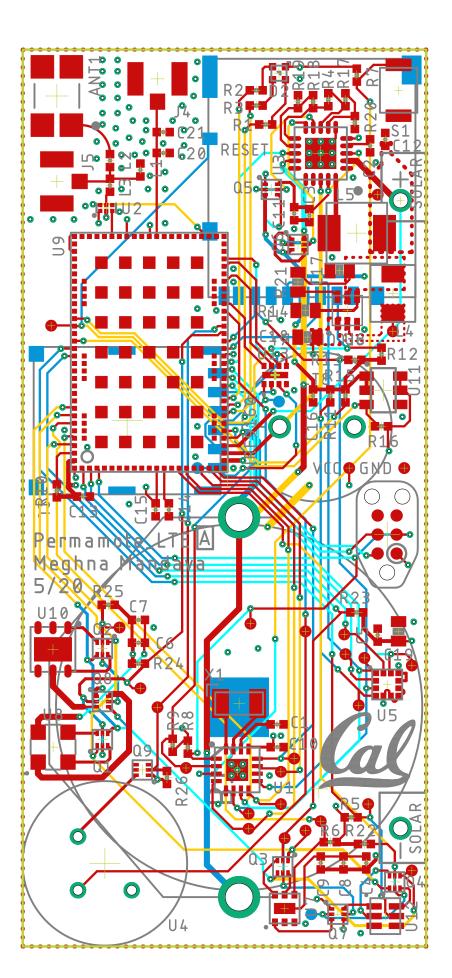
Debugging

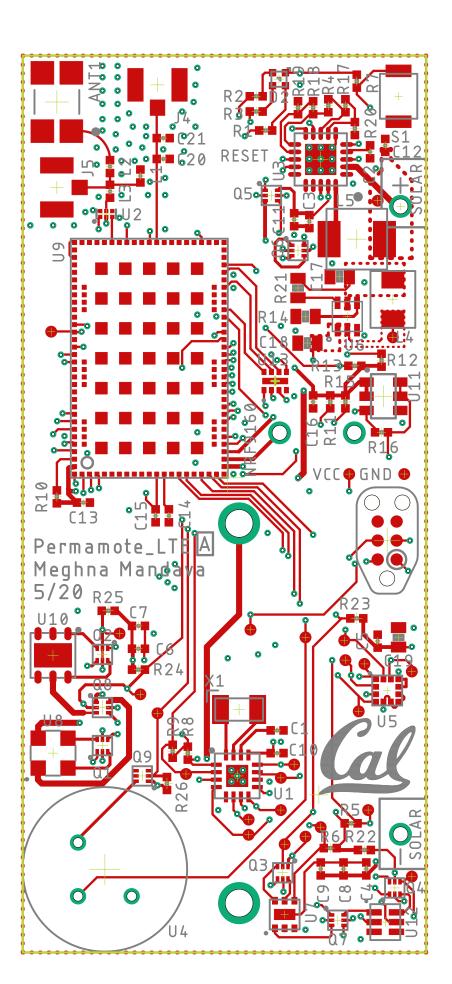


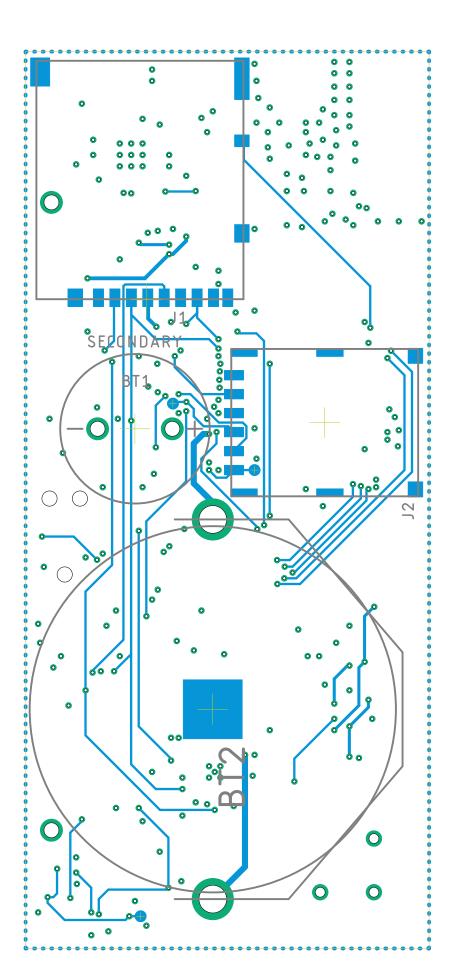
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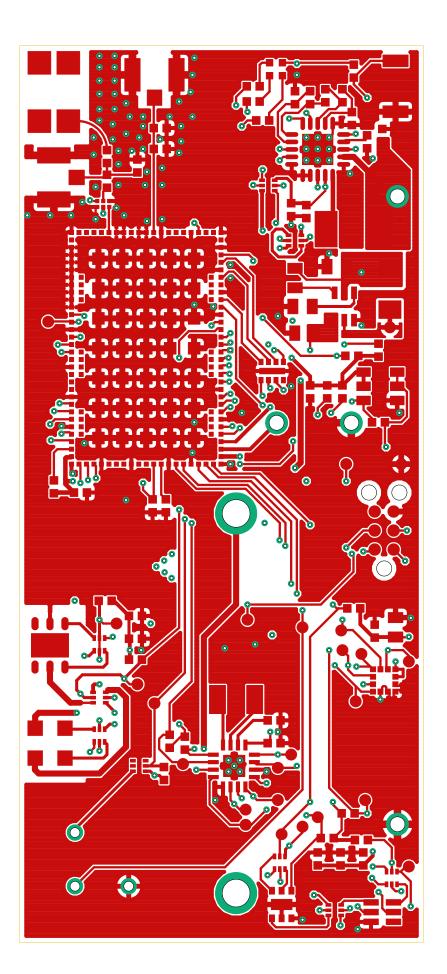


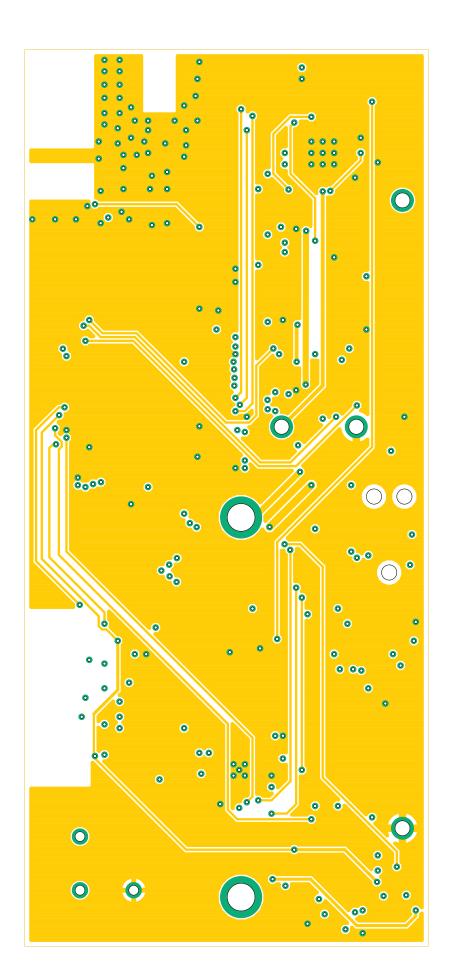
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Author: MEGHNA MANDAVA		
Date: 5/20/20 2:39 PM	Sheet: 5	5/5

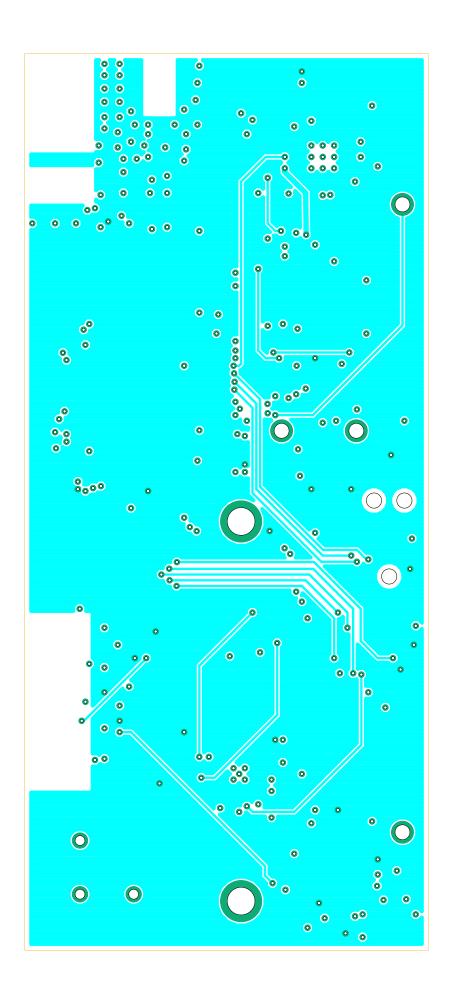


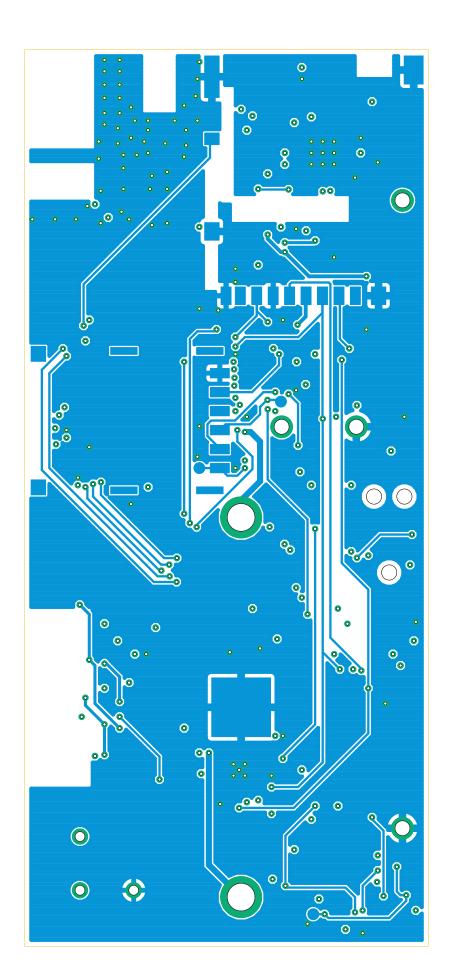


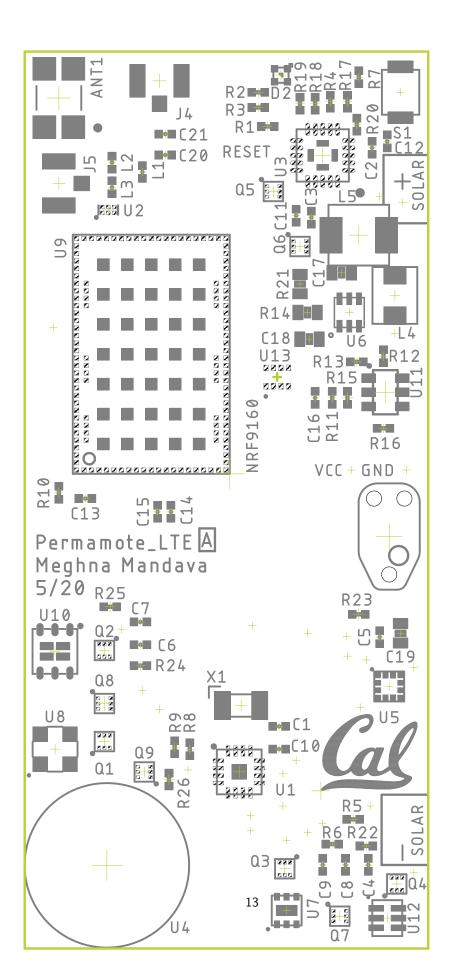


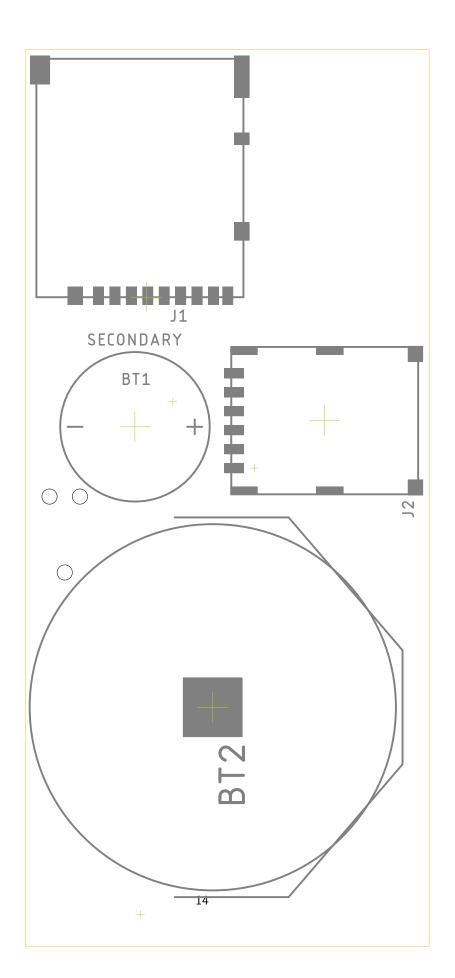


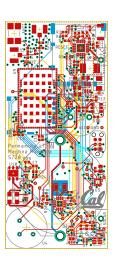


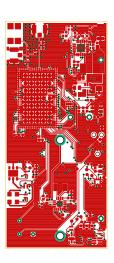


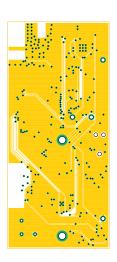




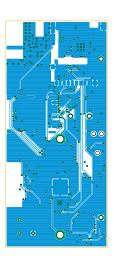












y Value	Device	Package	rts	Description	DESCRIPTION
4 0.1uF	CAPACITOR0402 CAP	0402 CAP	l, C5, C6, C7	SMD Capacitor	
1 1.8nH	INDUCTOR0402	0402 CAP		A very specific inductor	
5 100M	RESISTOR0402 RES	0402 RES	2, R23, R24, R25, R26	Resistor	
2 100k	RESISTOR0402 RES	0402 RES	5, R16	Resistor	RES SMD 100K OHM
9 10k	RESISTOR0402 RES	0402 RES	, R6, R7, R8, R9, R10, R11, R12, R13	Resistor	
2 10nF	CAPACITOR0402 CAP	0402 CAP	, C3	SMD Capacitor	
3 10uF	CAPACITOR0603 CAP	0603 CAP	7, C18, C19	SMD Capacitor	
1 1462350001	1462350001	ANT 1462350001	NT1	Antenna GPS 1.4dBi Gain 1578MHz SMD T/R	Antenna GPS 1.4dBi G
3 luF	CAPACITOR0402 CAP	0402 CAP	i, C9, C10	SMD Capacitor	
l luH	INDUCTORIHL	IHL-1212BZ-11		A very specific inductor	
1 22uH INDUCTOR74437324220			A very specific inductor		
1 2477THMCOINCELLCLI2477THMCOINCELLCLI2247THMCOINCLIP BT2		Battery clip for 2477 Coin Cell			
1 3.9M	RESISTOR0402 RES	0402 RES	7	Resistor	
1 33M		0603-RES	1	Resistor	
5 4.7uF	CAPACITOR0402 CAP		1, C12, C13, C14, C15, C16	SMD Capacitor	
		0402 RES	, R2, R3	Resistor	
1 47pF	CAPACITOR0402 CAP	0402 CAP		SMD Capacitor	
1 5.1nH	INDUCTOR0402	0402 CAP		A very specific inductor	
6.04k	RESISTOR0402 RES	0402 RES		Resistor	
1 6.2M		0402 RES	8	Resistor	
6.8M		0402 RES	9	Resistor	
7.5nH	INDUCTOR0402	0402 CAP		A very specific inductor	
1 80.6k		0603-RES	4	Resistor	
1 9.1M	RESISTOR0402 RES	0402 RES	0	Resistor	
1 AB1815-T3	AB1815-T3	QFN-16-3MM		Ultra-low current RTC. 55nA quiescent @ 3V. 1.5-3.6V input.	
ABS07-32.768KHZ-7-T				32.768kHz Crystal	
B3U-1000P	B3U-1000P	B3U-1000P		Switch	
1 BGA725L6	BGA725L6	LNA-TSLP-6-2-ORIG		Switch	
1 BQ25505	BQ25505	S-PVQFN-N20-RGR		EH front end for switching between primary and secondary cells	
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		0. C21	SMD Capacitor	CONN WICKO SD CA
	EKMB1101111	AMN2	IO, C.21	Passive infrared human detection sensor with built-in amp.	
EKMB1101111	LIS2DW12			ultra low power 3 axis accelerometer	
1 LIS2DW12				ultra low power 3 axis accelerometer	
1 LTOHTC1020	LTOHTC1020	1020		77 111 001	
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	4-SMD U8		low power pressure sensor	
1 NANO_SIM	NANO_SIM	WURTH_NANO_SIN		WURTH Nano SIM Connector	
1 NRF9160	NRF9160	NRF9160			
9 PMDXB950UPEL	PMDXB950UPEL	XDFN-6	, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9	20 V 500mA, dual P-channel Trench MOSFET	
1 SI7021-A20-GM1	SI7021-A20-GM1	DFN-6/3MM	0	IC TEMP SENSOR RH 2% DFN	
1 SIP32510	SIP32510		1	Load switch, slew rate controlled. By Vishay	IC LOAD SWITCH SO
	SML-LX0404SIUPGUSB			1mm^2 RGB LED	
1 SOLARCELLHOLES				Generic solar cell	
1 TCS34725	TCS34725	FN-6	2	Color Light-to-Digital Converter with IR Filter	
1 TPD3F303DPVR	TPD3F303DPVR		3		
2 U.FL-R-SMT	U.FL-R-SMT	U.FL SMT	.J5	U.FL-R-SMT Antenna Connector	