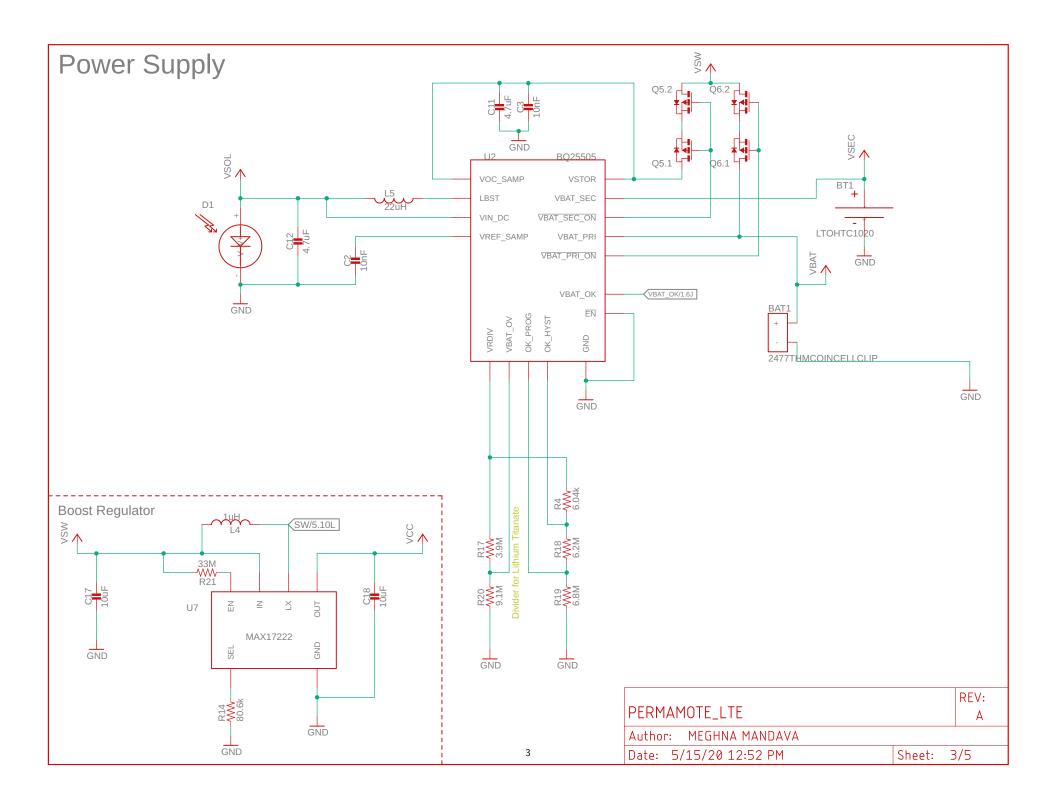
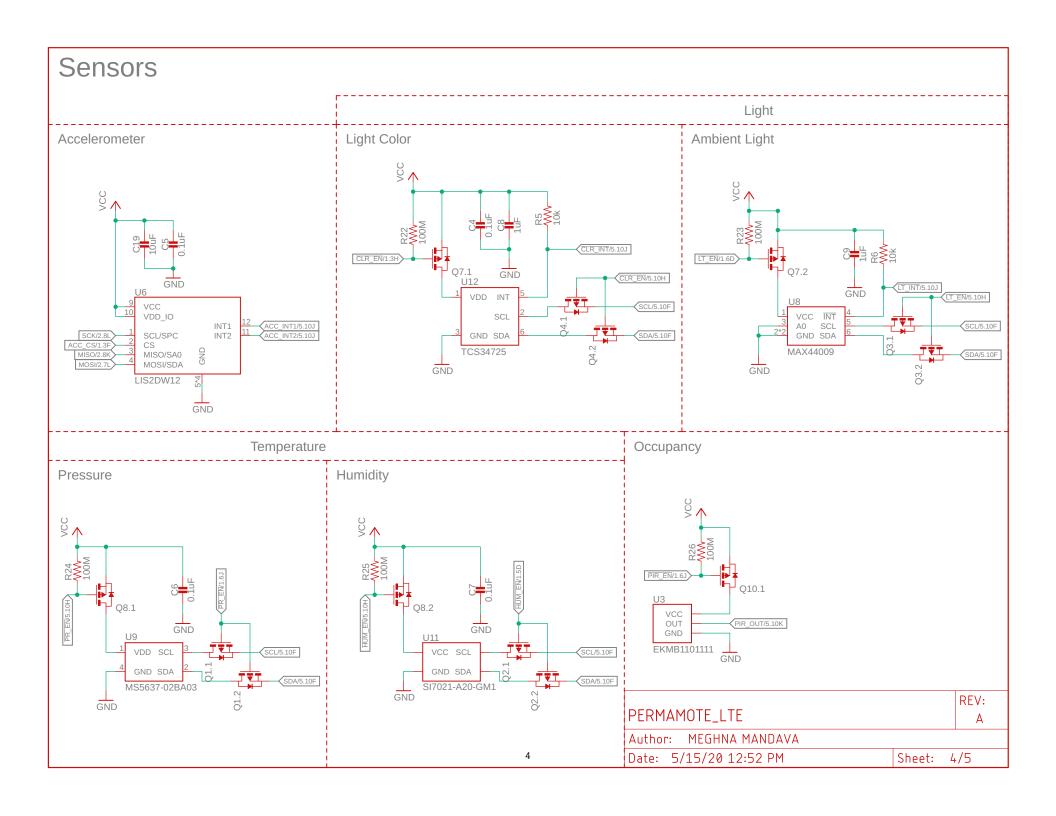


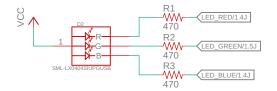
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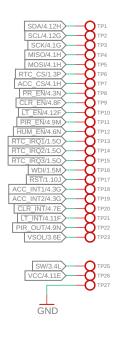
PERMAMOTE\_LTE REV:
A
Author: MEGHNA MANDAVA
Date: 5/15/20 12:52 PM Sheet: 2/5





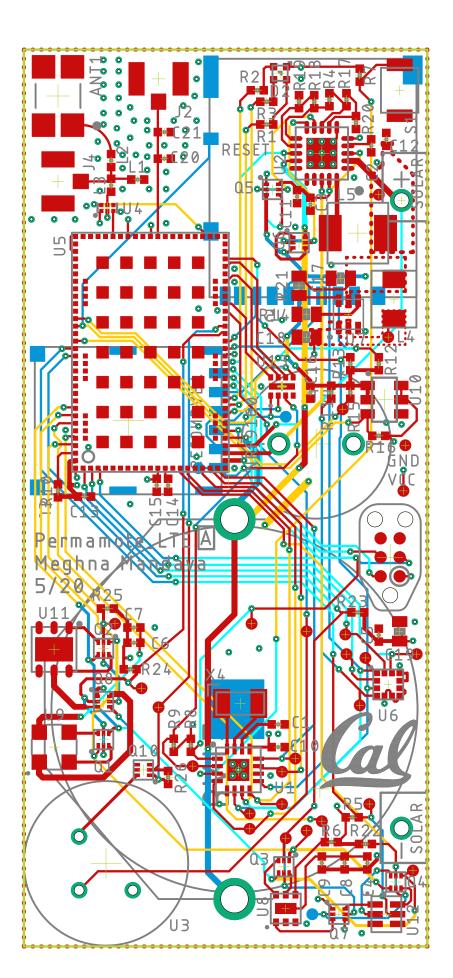
## Debugging

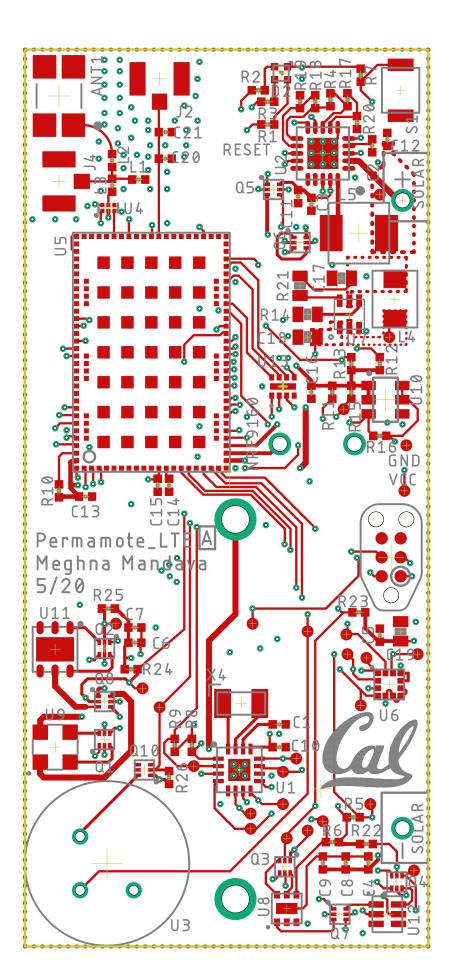


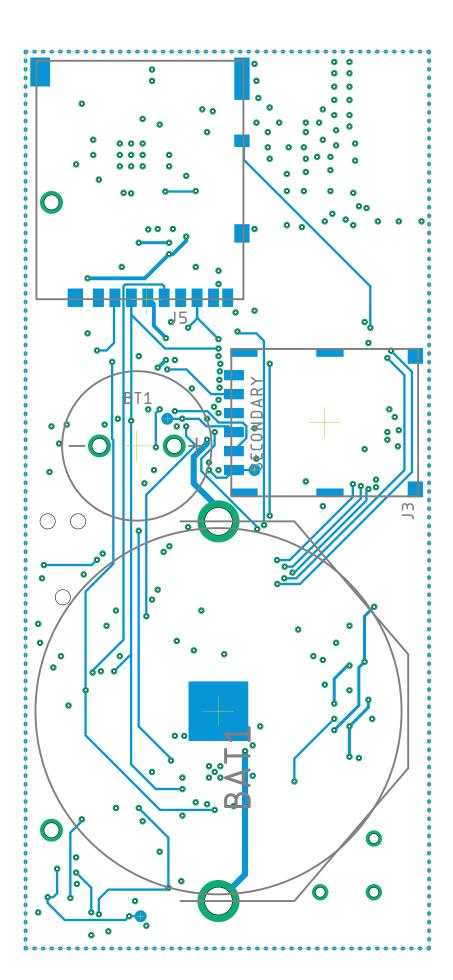


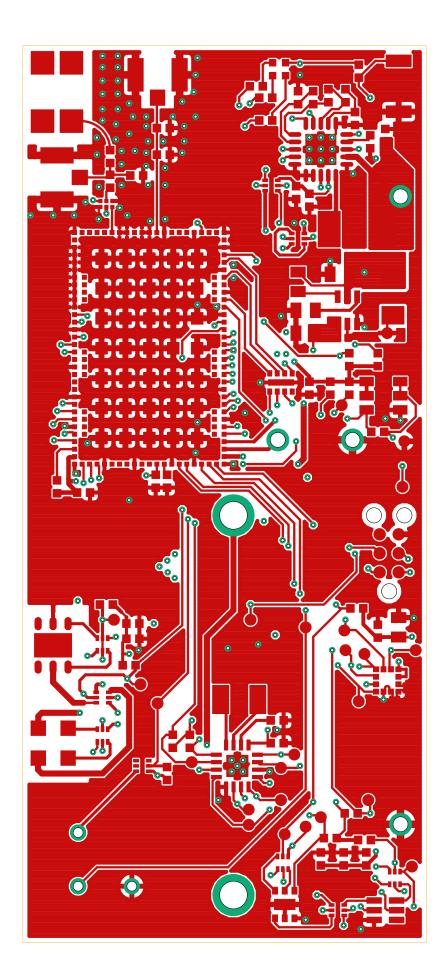
PERMAMOTE_LTE		REV:
Author: MEGHNA MANDAVA		
Date: 5/15/20 12:52 PM	Sheet: 5	5/5

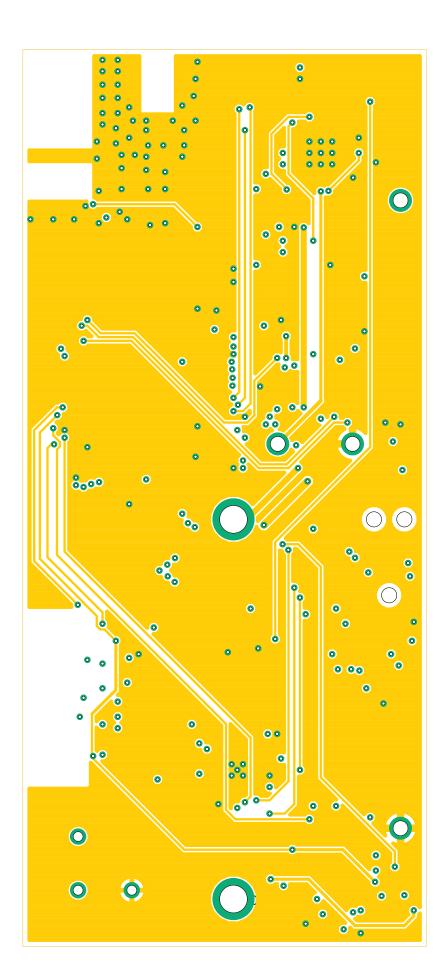
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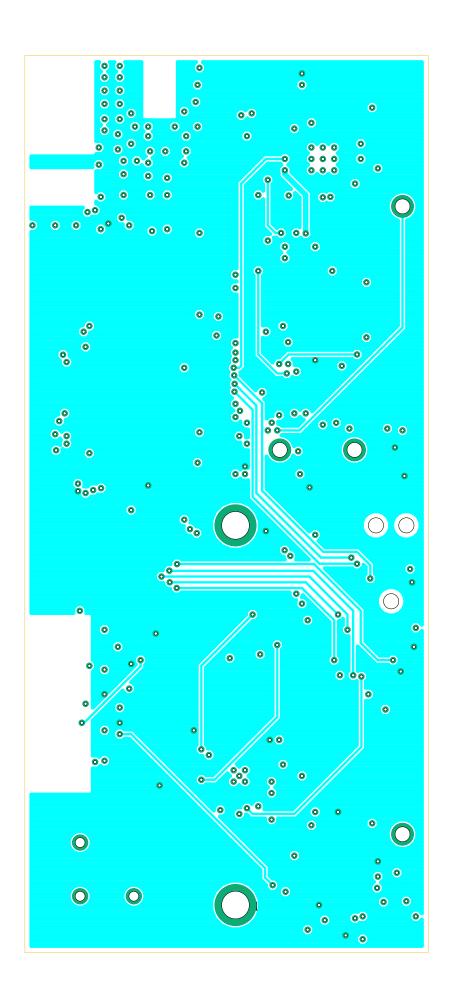


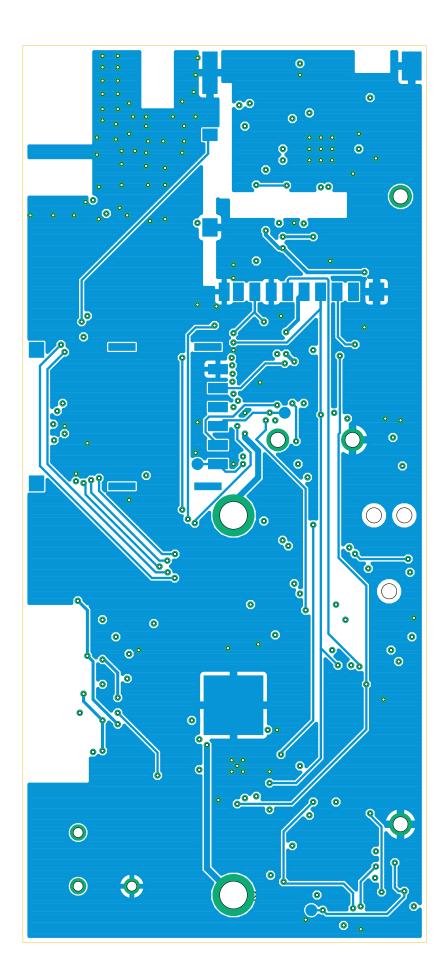


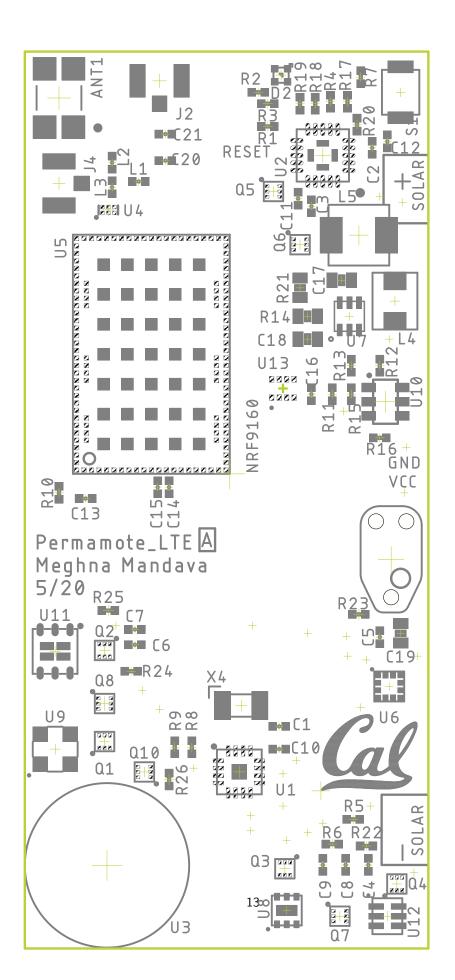


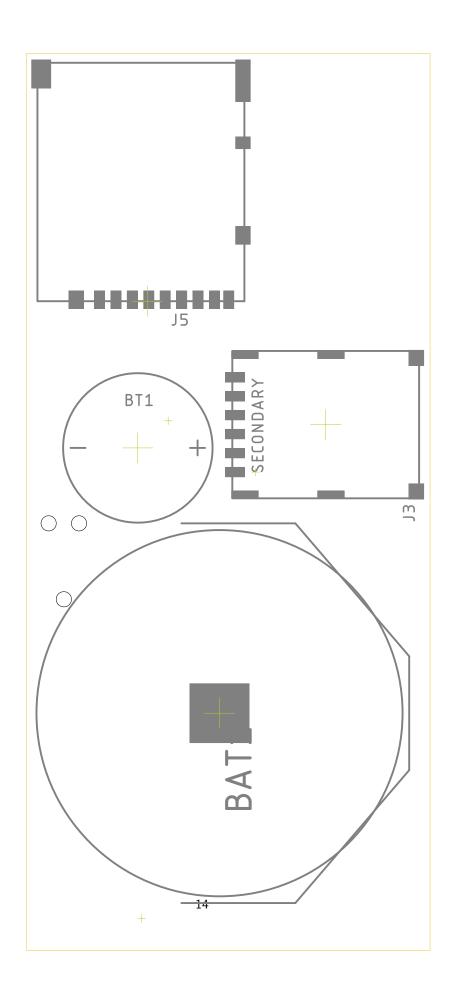


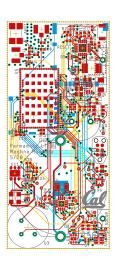




















	Device			Description	DESCRIPTION
4 0.1uF	CAPACITOR0402_CAP	0402_CAP	C4, C5, C6, C7	SMD Capacitor	
1 1.8nH	INDUCTOR0402	0402 CAP	LI	A very specific inductor	
5 100M	RESISTOR0402 RES	0402 RES	R22, R23, R24, R25, R26	Resistor	
2 100k	RESISTOR0402 RES	0402 RES	R15, R16	Resistor	RES SMD 100K OHM 1% I
6 10k	RESISTOR0402 RES	0402 RES	R5, R6, R7, R8, R9, R10	Resistor	
3 10k	RESISTOR0402 RES	0402 RES		Resistor	RES SMD 10K OHM 1% 1/
	CAPACITOR0402 CAP			SMD Capacitor	
	CAPACITOR0603 CAP			SMD Capacitor	
1 1462350001				Antenna GPS 1.4dBi Gain 1578MHz SMD T/R	Antenna GPS 1.4dBi Gain 1
	CAPACITOR0402 CAP			SMD Capacitor	Timemia Gr 5 1: Rabi Gain I
				A very specific inductor	
	INDUCTOR7443732422			A very specific inductor	
1 2477THMCOINCELLCI				Battery clip for 2477 Coin Cell	
	RESISTOR0402 RES		R17	Resistor	
	RESISTOR0603 RES			Resistor	
	CAPACITOR0402 CAP			SMD Capacitor	
					GARGER ASSESSMENT
	CAPACITOR0402_CAP			SMD Capacitor	CAP CER 4.7UF 10V X5R
	RESISTOR0402_RES			Resistor	
	CAPACITOR0402_CAP		CI	SMD Capacitor	
	INDUCTOR0402			A very specific inductor	
				Resistor	
				Resistor	
		0402_RES		Resistor	
	INDUCTOR0402	0402_CAP		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	X4	32.768kHz Crystal	
1 B3U-1000P	B3U-1000P	B3U-1000P	S1	Switch	
1 BGA725L6	BGA725L6	LNA-TSLP-6-2-ORI	QU4	EH front end for switching between primary and secondary cells	
1 BQ25505	BQ25505	S-PVQFN-N20-RGR	U2	IC AMP GPS 1.55-1.615GHZ TSLP6-2	
1 DM3AT-SF-PEJM5	DM3AT-SF-PEJM5	DM3AT-SF-PEJM5	J5	CONN MICRO SD R/A PUSH-PUSH SMD	CONN MICRO SD CARD I
	CAPACITOR0402 CAP			SMD Capacitor	
	EKMB1101111			Passive infrared human detection sensor with built-in amp.	
	LIS2DW12			ultra low power 3 axis accelerometer	
	LTOHTC1020	1020		und for porter 5 data deceleronicies	
	MAX17222	UDFN-6-MAXIM		Very high efficiency, very low power boost converter suitable for EH applications	
	MAX44009	UDFN-6-EXPOSED		low power ambient light sensor	
	MS5637-02BA03			low power amoient light sensor	
	NANO SIM	WURTH NANO SI		WURTH Nano SIM Connector	
	NRF9160	NRF9160		IC RF TXRX+MCU CELL LTE-M/NB-IOT	
	PMDXB950UPEL	XDFN-6		20 V 500mA, dual P-channel Trench MOSFET	
	SI7021-A20-GM1	DFN-6/3MM		IC TEMP SENSOR RH 2% DFN	
	SIP32510			Load switch, slew rate controlled. By Vishay	IC LOAD SWITCH SOT23-
1 SML-LX0404SIUPGUSI			D2	1mm^2 RGB LED	
				Generic solar cell	
	TC2030-JLINK-NL		JI		
	TCS34725		U12	Color Light-to-Digital Converter with IR Filter	
	TEST-POINT	PAD.03X.03	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17		
1 TPD3F303DPVR	TPD3F303DPVR	DPV8_1P7X0P4	UI3	FILTER RC(PI) ESD SMD	
2 U.FL-R-SMT	U.FL-R-SMT	U.FL SMT	J2, J4	U.FL-R-SMT Antenna Connector	