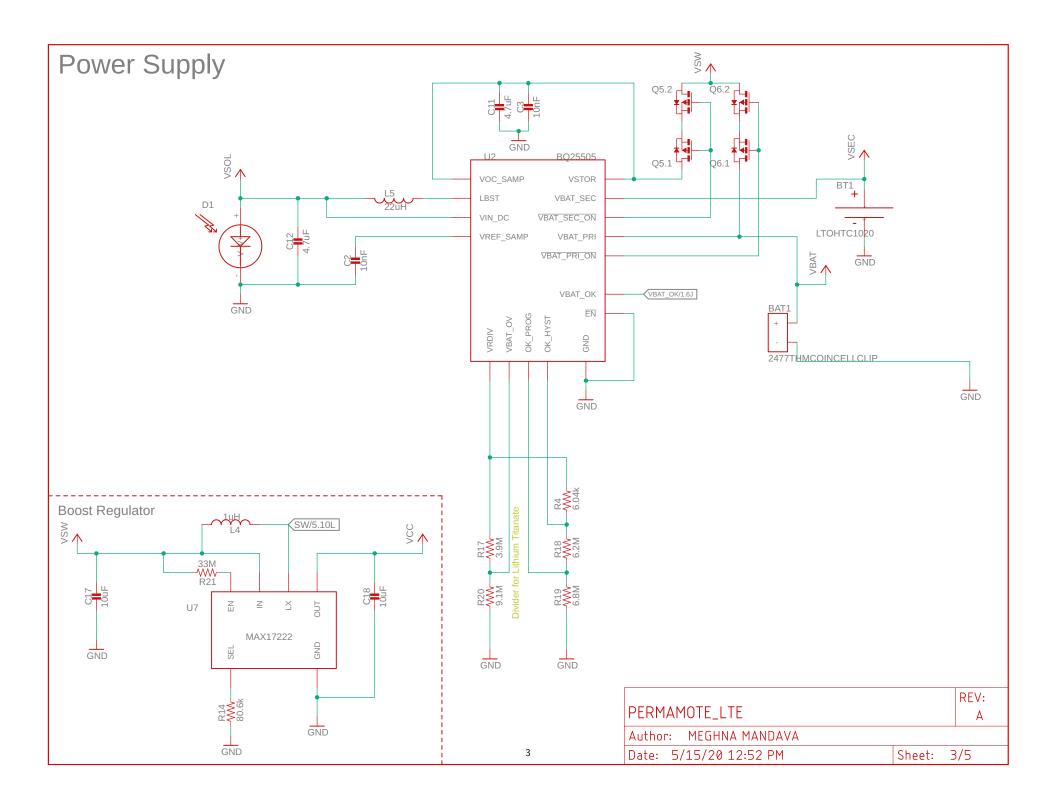
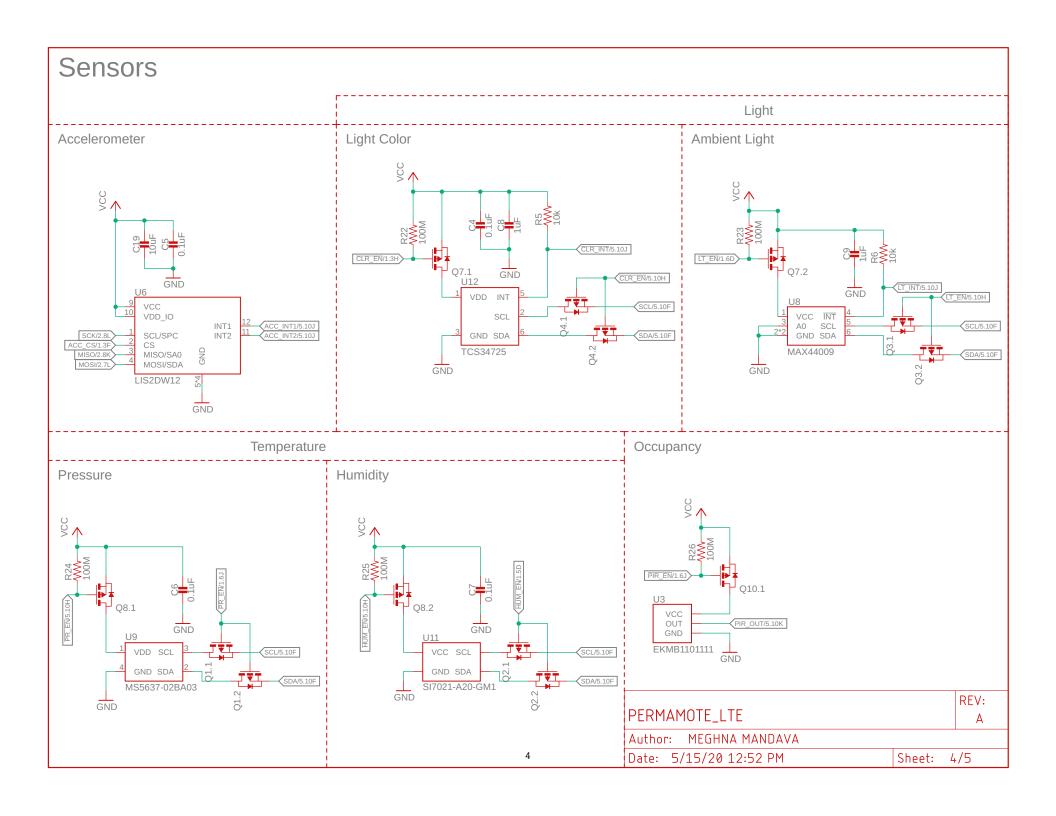


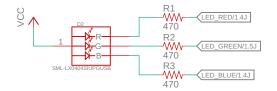
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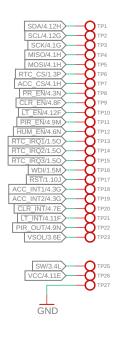
PERMAMOTE_LTE REV:
A
Author: MEGHNA MANDAVA
Date: 5/15/20 12:52 PM Sheet: 2/5





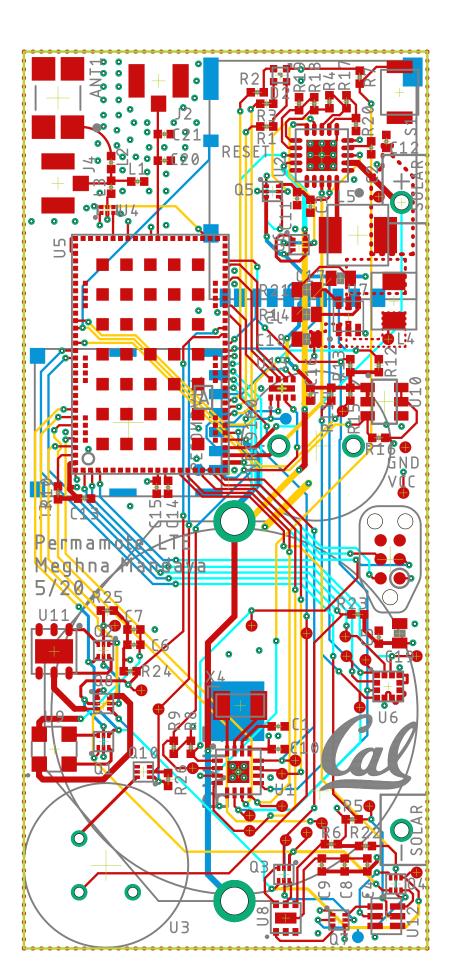
Debugging

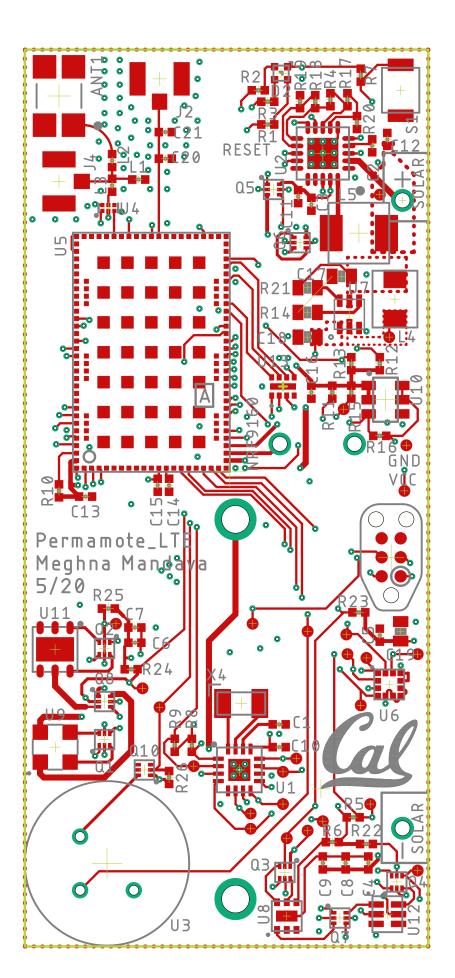


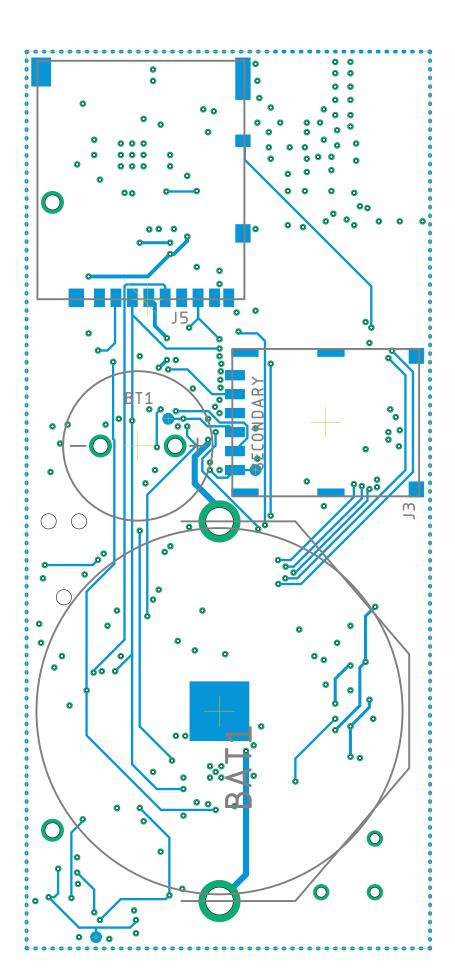


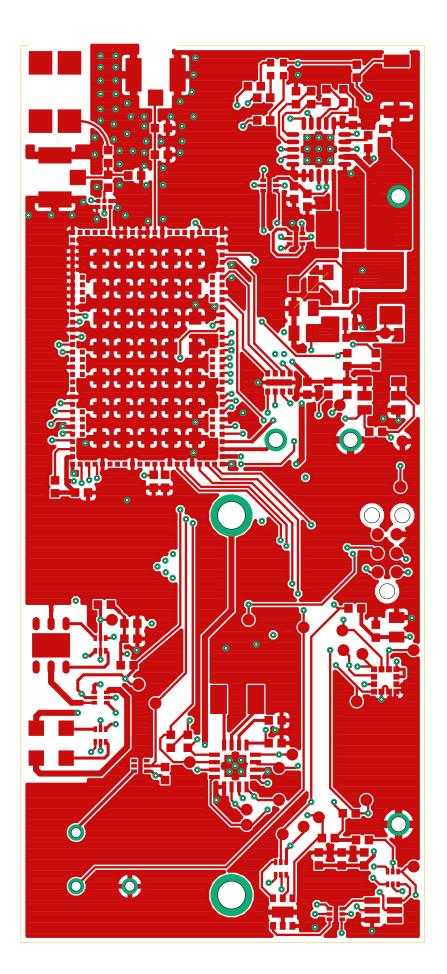
PERMAMOTE_LTE		REV:
Author: MEGHNA MANDAVA		
Date: 5/15/20 12:52 PM	Sheet: 5	5/5

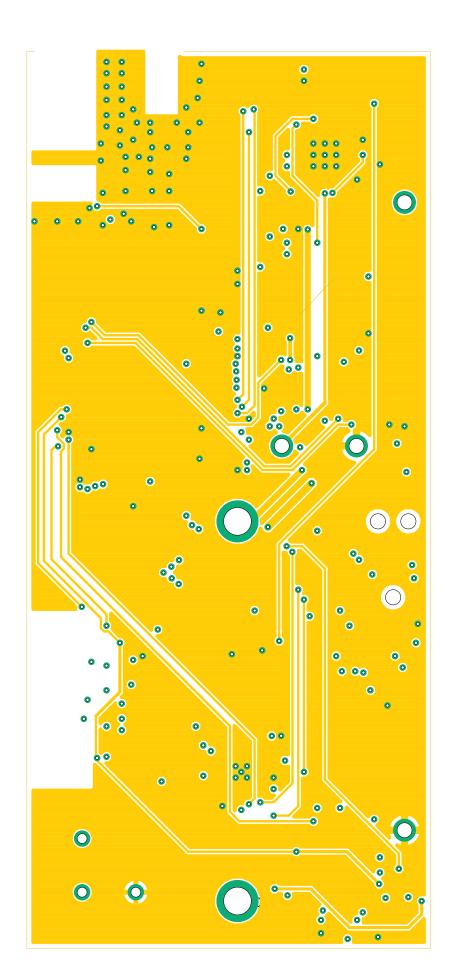
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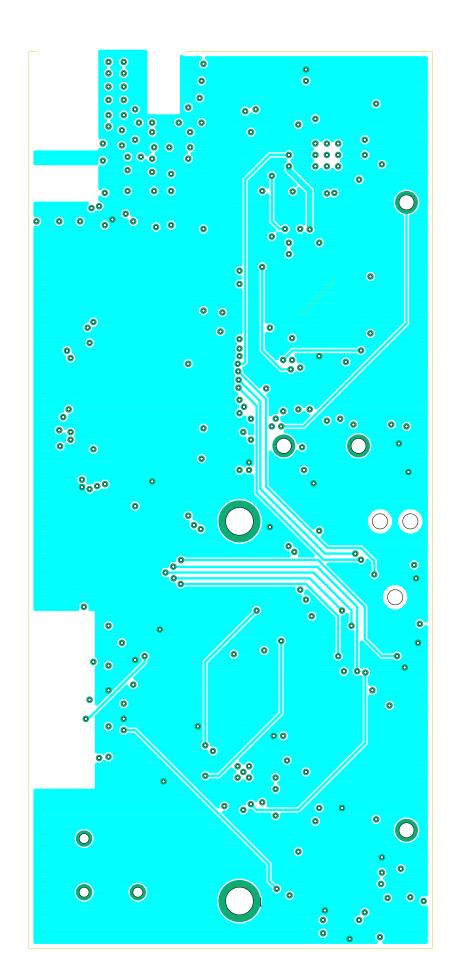


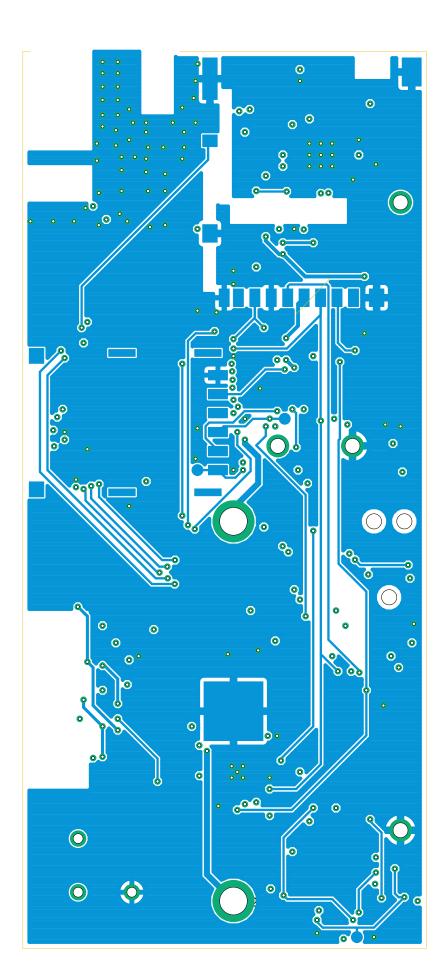


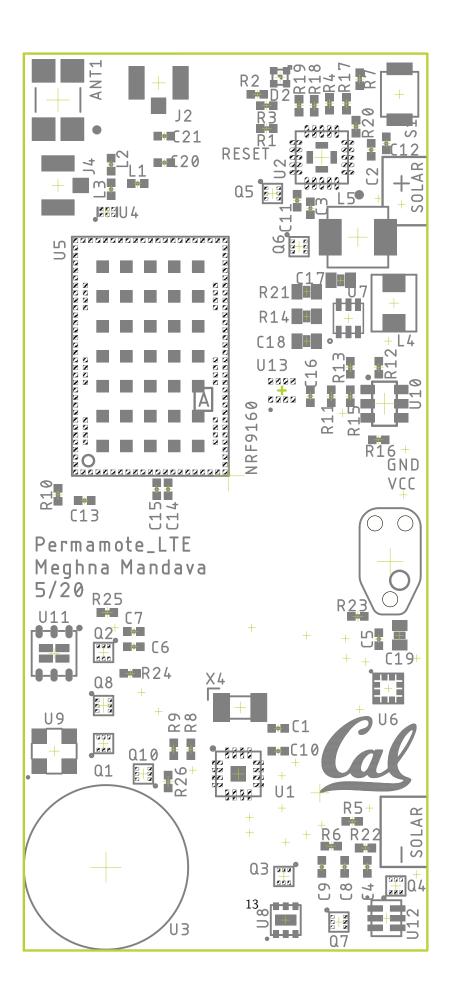


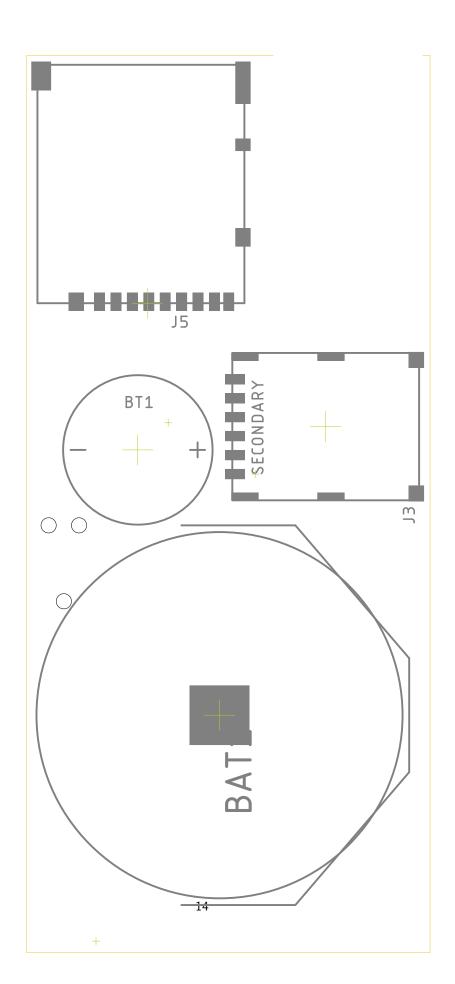


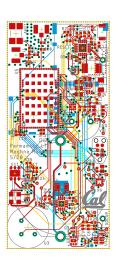




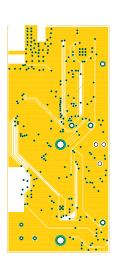
















Oty Value	Device	Package		Description	DESCRIPTION
1	FXUB65.07.0180C	_	ANT2	RF ANT 829MHZ/2.2GHZ FLAT PATCH	
4 0.1uF	CAPACITOR0402 CAP	0402 CAP	C4, C5, C6, C7	SMD Capacitor	
1 1.8nH	INDUCTOR0402		LI	A very specific inductor	
5 100M	RESISTOR0402 RES	0402 RES	R22, R23, R24, R25, R26	Resistor	
2 100k	RESISTOR0402 RES	0402 RES	R15, R16	Resistor	RES SMD 100K OHM 1% 1/5
6 10k		0402 RES		Resistor	
3 10k		0402 RES		Resistor	RES SMD 10K OHM 1% 1/16
2 10nF	CAPACITOR0402 CAP			SMD Capacitor	
3 10uF	CAPACITOR0603 CAP			SMD Capacitor	
1 1462350001				Antenna GPS 1.4dBi Gain 1578MHz SMD T/R	Antenna GPS 1.4dBi Gain 15
3 luF	CAPACITOR0402 CAP			SMD Capacitor	Timema Gro I: labi Gam IS
1 luH	INDUCTORIHL			A very specific inductor	
1 22uH	INDUCTOR7443732422			A very specific inductor	
1 2477THMCOINCELLCI				Battery clip for 2477 Coin Cell	
					-
1 3.9M	RESISTOR0402_RES			Resistor	
1 33M	RESISTOR0603_RES			Resistor	
5 4.7uF	CAPACITOR0402_CAP			SMD Capacitor	
1 4.7uF	CAPACITOR0402_CAP		C16	SMD Capacitor	CAP CER 4.7UF 10V X5R 04
	RESISTOR0402_RES			Resistor	
1 47pF	CAPACITOR0402_CAP			SMD Capacitor	
1 5.1nH	INDUCTOR0402	0402_CAP	L2	A very specific inductor	
1 6.04k	RESISTOR0402 RES	0402 RES	R4	Resistor	
1 6.2M	RESISTOR0402 RES	0402 RES	R18	Resistor	
1 6.8M	RESISTOR0402 RES	0402 RES	R19	Resistor	
1 7.5nH	INDUCTOR0402	0402 CAP		A very specific inductor	
1 80.6k				Resistor	
1 9.1M		0402 RES		Resistor	
1 AB1815-T3	AB1815-T3			Ultra-low current RTC. 55nA quiescent @ 3V. 1.5-3.6V input.	
1 ABS07-32.768KHZ-7-T				32.768kHz Crystal	
				Switch	
1 B3U-1000P	B3U-1000P				-
1 BGA725L6	BGA725L6	LNA-TSLP-6-2-ORIG		EH front end for switching between primary and secondary cells	
1 BQ25505	BQ25505	S-PVQFN-N20-RGR		IC AMP GPS 1.55-1.615GHZ TSLP6-2	
		DM3AT-SF-PEJM5		CONN MICRO SD R/A PUSH-PUSH SMD	CONN MICRO SD CARD PU
2 DNP	CAPACITOR0402_CAP			SMD Capacitor	
1 EKMB1101111	EKMB1101111			Passive infrared human detection sensor with built-in amp.	
1 LIS2DW12	LIS2DW12	LGA-12	U6	ultra low power 3 axis accelerometer	
1 LTOHTC1020	LTOHTC1020	1020	BT1		
1 MAX17222	MAX17222	UDFN-6-MAXIM	U7	Very high efficiency, very low power boost converter suitable for EH applications	
1 MAX44009	MAX44009	UDFN-6-EXPOSED	U8	low power ambient light sensor	
1 MS5637-02BA03	MS5637-02BA03	4-SMD	U9	low power pressure sensor	
1 NANO SIM	NANO SIM	WURTH NANO SI		WURTH Nano SIM Connector	
1 NRF9160	NRF9160	NRF9160		IC RF TXRX+MCU CELL LTE-M/NB-IOT	
9 PMDXB950UPEL	PMDXB950UPEL	XDFN-6		20 V 500mA, dual P-channel Trench MOSFET	
1 SI7021-A20-GM1	SI7021-A20-GM1	DFN-6/3MM		IC TEMP SENSOR RH 2% DFN	
1 SIP32510					IC LOAD SWITCH SOT23-6
	SIP32510		D2	Load switch, slew rate controlled. By Vishay	IC LOAD SWITCH SU123-0
1 SML-LX0404SIUPGUS				1mm^2 RGB LED	
				Generic solar cell	
	TC2030-JLINK-NL		Л		
1 TCS34725	TCS34725		U12	Color Light-to-Digital Converter with IR Filter	
29 TEST-POINT	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			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	