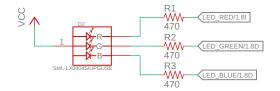
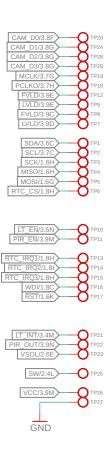
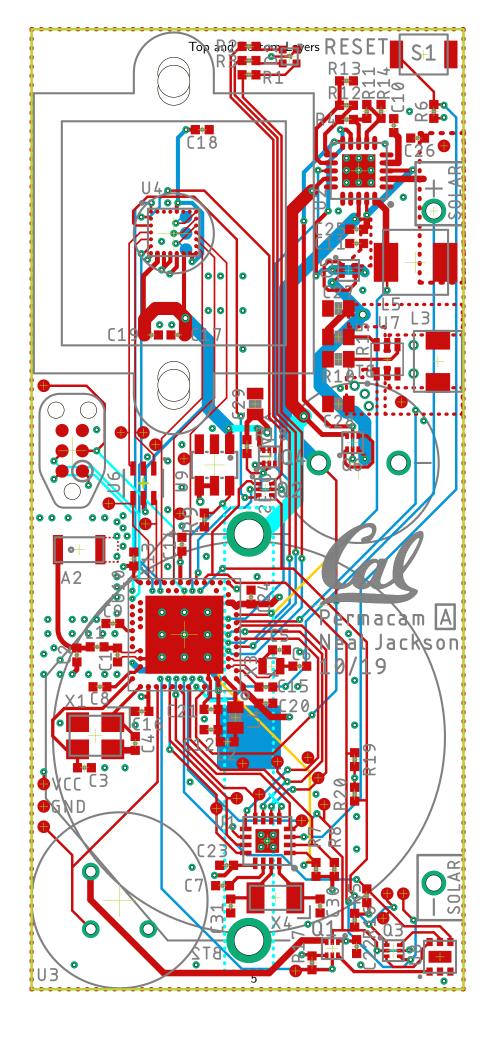


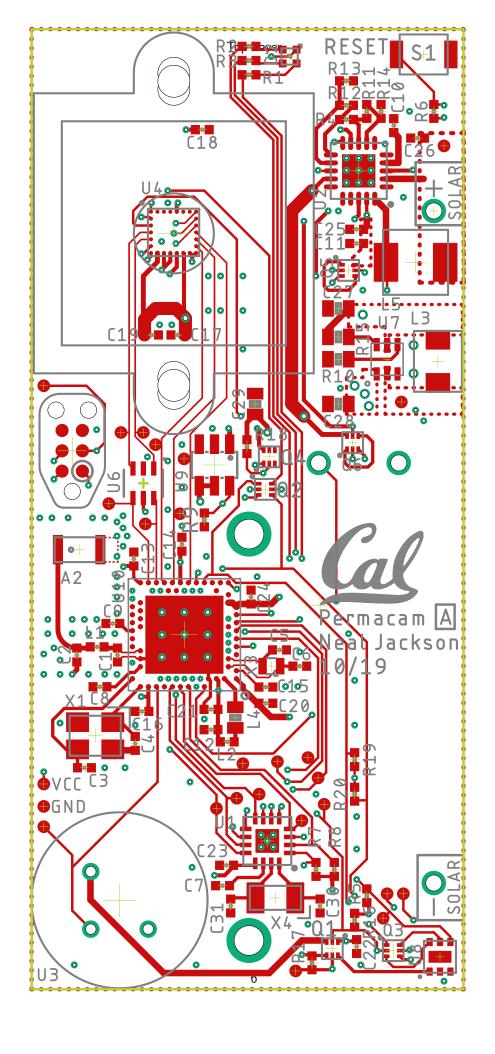
## Debugging

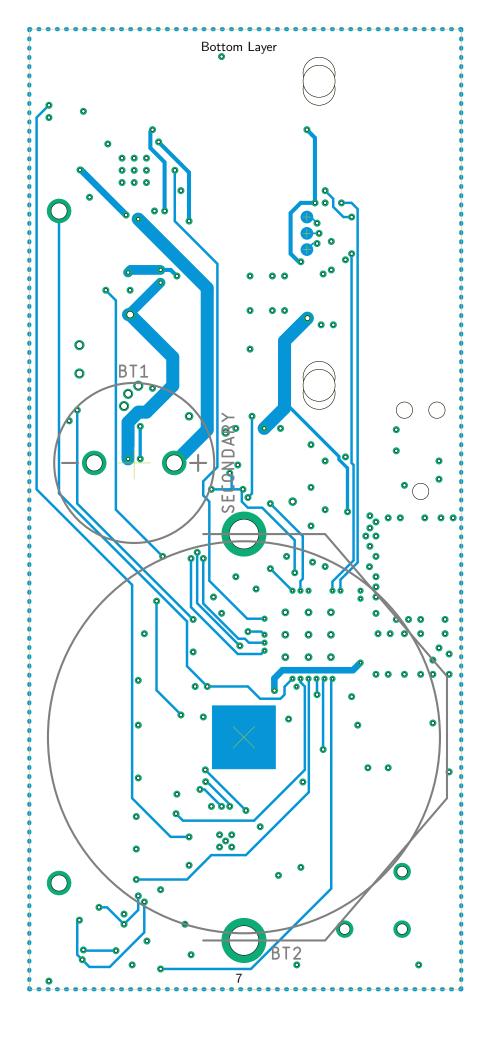


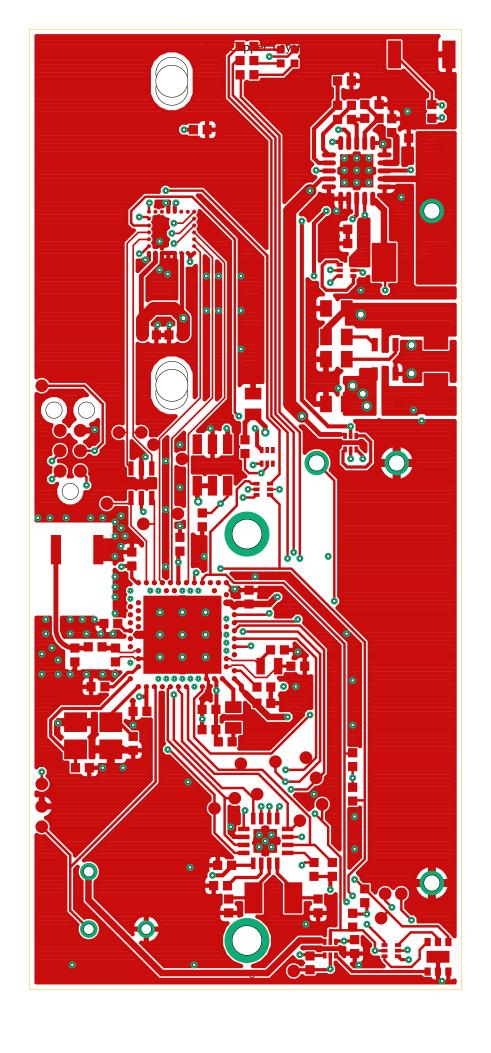


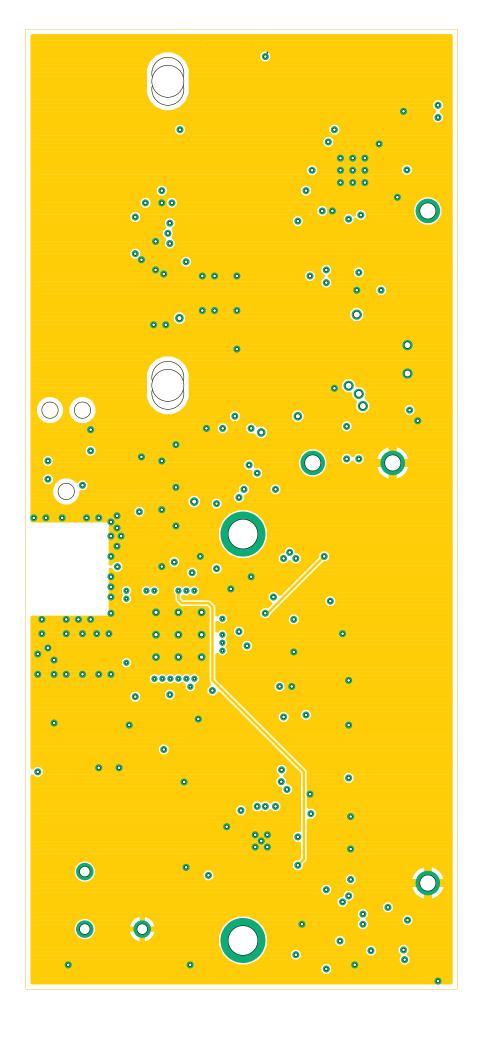
PERMAMOTE	REV:
Author: NEAL JACKSON	
Date: 11/2/19 8:59 PM Sheet: L	. / /.

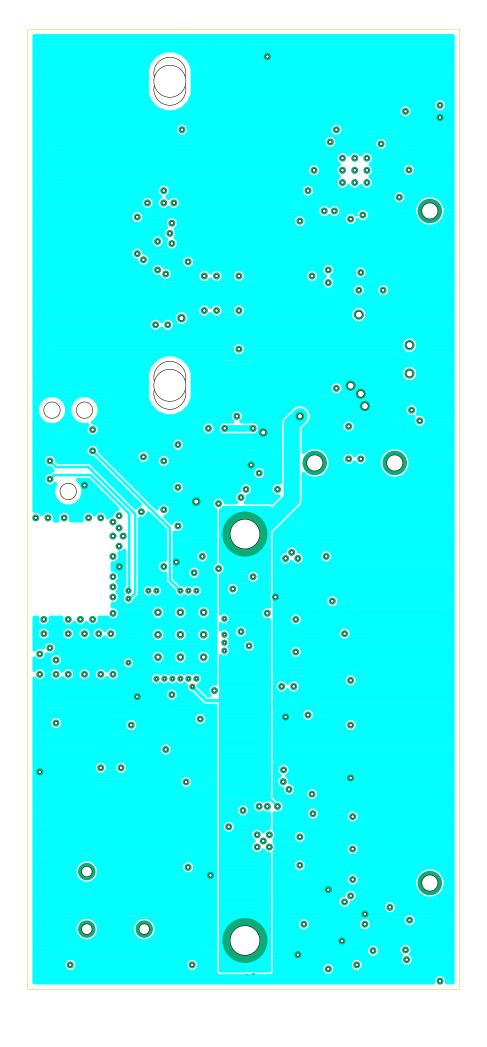


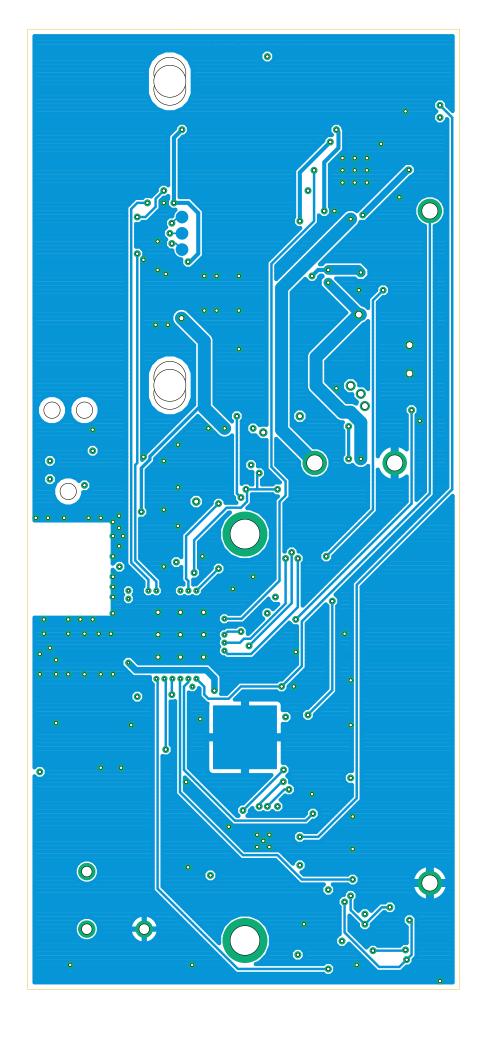


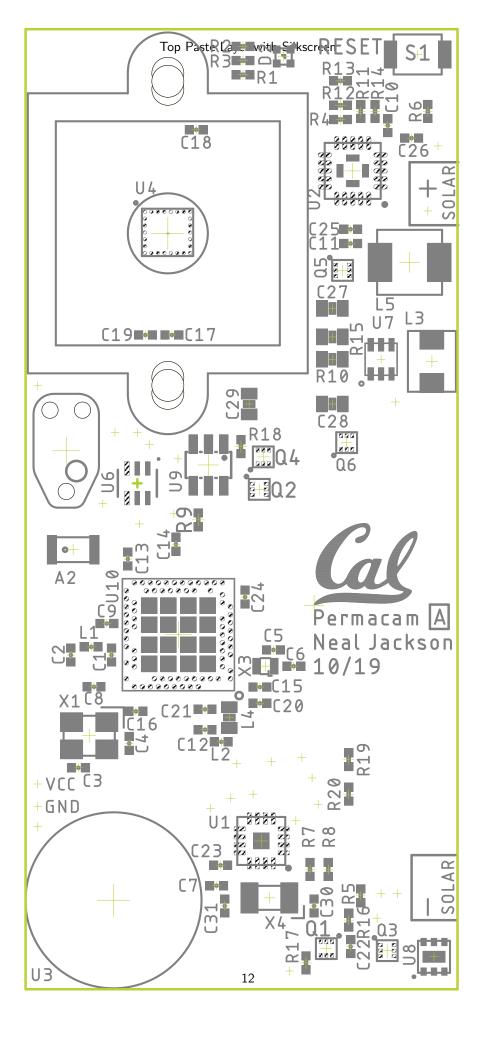


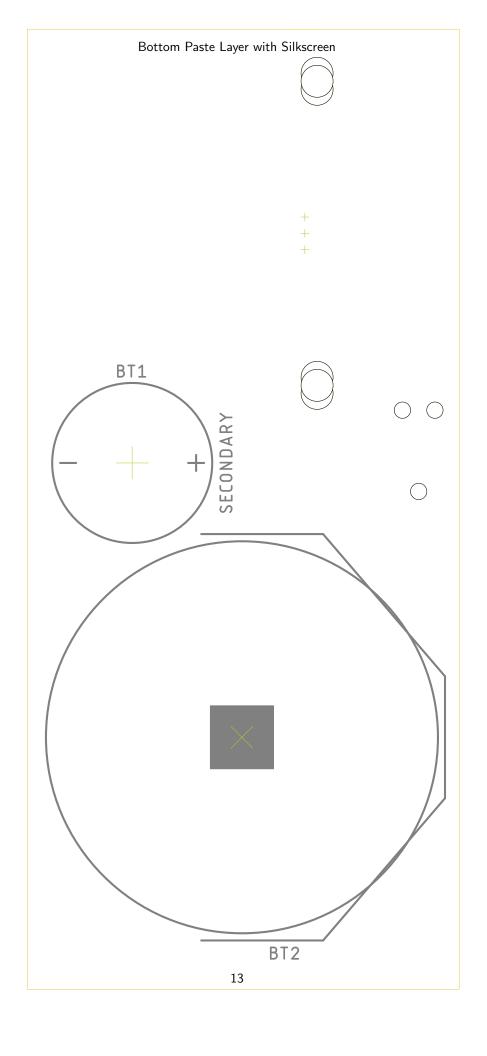


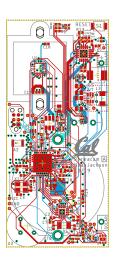


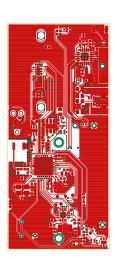


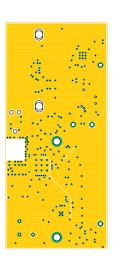


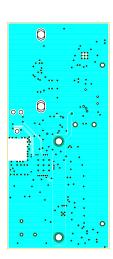


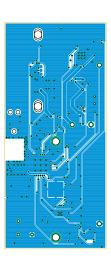












Qty	Value	Device	Package	Parts	Description	DIGIKEY	MPN	Notes
	7 0.1uF	CAPACITO	R0402 CAP	C13, C14, C	SMD Capaci	1490-6328-1-	GRM155R71C104KA88J	
	3 100M	RESISTOR0	40402 RES	R16, R17, R	Resistor	541-100MA	HMC0402JT100M	
	1 100k	RESISTOR0	40402 RES	R9	Resistor	311-100KJR	(RC0402JR-07100KL	
	1 100pF	CAPACITO		C8	SMD Capaci		GRM1555C1H101JA01D	
	4 10k	RESISTORO		R5, R6, R7,			RC0402JR-0710KL	
	2 10nF	CAPACITO		C10, C11			NGRM155R71H103KA88D	
	3 10uF	CAPACITO					GRM188R60J106ME47D	
	1 10uH	INDUCTOR		L4	-		NLQM18FN100M00D	
	4 12pF	CAPACITO					GRM1555C1H120GA01D	
	1 15nH	INDUCTOR		L2	-		NHK100515NJ-T	
	2 1pF	CAPACITO		C1, C2			-CL05C010CB5NNNC	
	4 1uF	CAPACITO					GRM155R70G105KA12D	
	1 1uH		IHL-1212BZ				NHLP1212BZER1R0M11	
	1 215k	RESISTOR0		R10	Resistor		FRC0402FR-07215KL	
	1 22uH		749103010301020102020		A very speci			1
	1 2477THMC						(BAT-HLD-001-THM	5
	1 3.9M	RESISTOR0		R11	Resistor		FRC0402JR-073M9L	
	1 3.9NI 1 3.9nH	INDUCTOR		L1			NLQP15MN3N9B02D	
				X3				
	1 32.768kHz	ABS05-32.7					-ABS05-32.768KHZ-9-T	
	1 32MHz	7V-32.000M		X1			N7M-32.000MAHV-T	
	1 33M	RESISTORO		R15	Resistor		HMC0603JT33M0	
	3 4.7uF	CAPACITO			_		C1005X5R0J475K050BC	
		RESISTOR0			Resistor		TRC0402JR-07470RL	
	1 47nF	CAPACITO		C12	_		C1005X7R1C473K050BC	
	1 47pF	CAPACITO		C7			GRM1555C1H470JA01D	
	1 6.04k	RESISTOR0		R4	Resistor		FRC0402FR-076K04L	
	1 6.2M	RESISTOR0		R12	Resistor		RC0402JR-076M2L	
	1 6.8M	RESISTOR0		R13	Resistor		RC0402JR-076M8L	
	1 820pF	CAPACITO		C9	_		-CL05B821KO5NNNC	
	1 9.1M	RESISTOR0	40402_RES	R14	Resistor	YAG3322C	RC0402JR-079M1L	
	1 AB1815-T3	AB1815-T3	QFN-16-3M	MU1	Ultra-low cu	r535-11936-1	-AB1815-T3	
	1 ABS07-32.7	6ABS07-32.7	62-SMD	X4	32.768kHz C	535-9543-1-	ABS07-32.768KHZ-7-T	
	1 ANT3216A0	(ANT3216AC	ANT3216A0	(A2	Yageo 2.4GI	1311-1542-1-	ANT3216A063R2400A	
	1 B3U-1000P	B3U-1000P	B3U-1000P	S1	Switch	SW1020CT-	NB3U-1000P	
	1 BQ25505	BQ25505	S-PVQFN-N	LU2	EH front end	296-37078-1	-BQ25505RGRR	
	2 DNP	CAPACITO	R0402_CAP	C30, C31	SMD Capaci	tor		Do not popula
	2 DNP	RESISTOR0	40402_RES	R19, R20	Resistor			Do not popula
	1 EKMB1101	1 EKMB11011	I MMN2	U3	Passive infra	r255-3065-N	DEKMB1101111	
	1 HM01B0-A	1 HM01B0-ANMM01B0-ANMEOPAC-26 U4			ultra low pov	ver CMOS In	nalgleMSetrBOFASDOAx 320	Consigned par
	1 LTOHTC10	20.TOHTC102	20 1020	BT1				Do not popula
	1 MAX17222	MAX17222	UDFN-6-MA	AU7	Very high ef	MAX17222	MAX17222ELT+T	•
	1 MAX44009						EMAX44009EDT+T	
	1 NRF52840	NRF52840	AQFN73	U10	ultra-low pov	1490-1071-1	-NRF52840	
	6 PMDXB950		_				-PMDXB950UPELZ	
	1 SML-LX040						ISML-LX0404SIUPGUSB	
	1 SN74AUP20			U6	I I I I I I I I I I I I I I I I I I I		SN74AUP2G04DCKR	
	1 SOLARCEI				Generic solar	869-1001-N	DAM-1454CA	
	1 TPS22860	TPS22860	SOT-23-6	U9			-TPS22860DBVR	Do not popula
	80	11 522500	551-25-0		Citia-Low L	270-73702-1	11 022000DD V IX	20 not popula