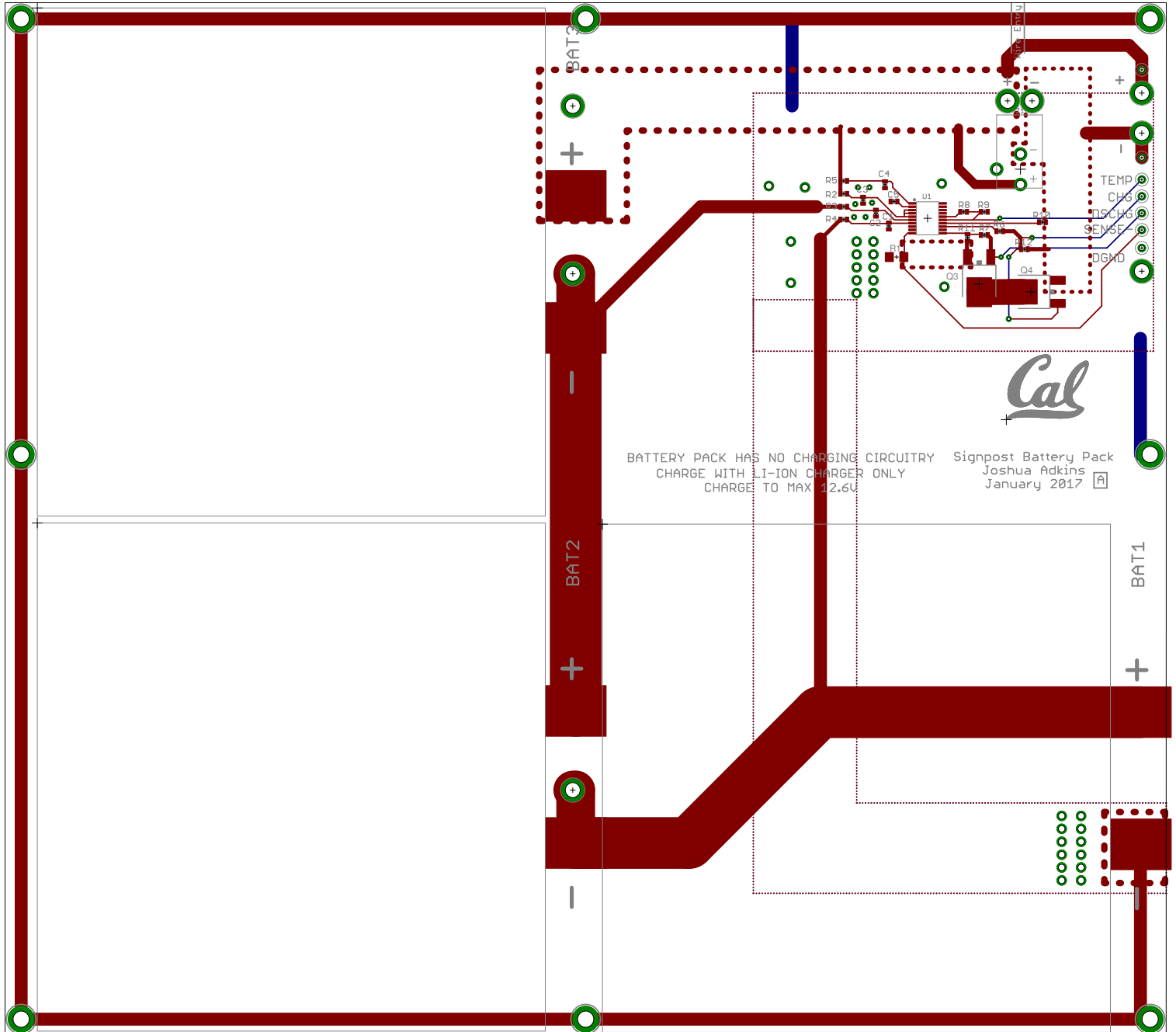
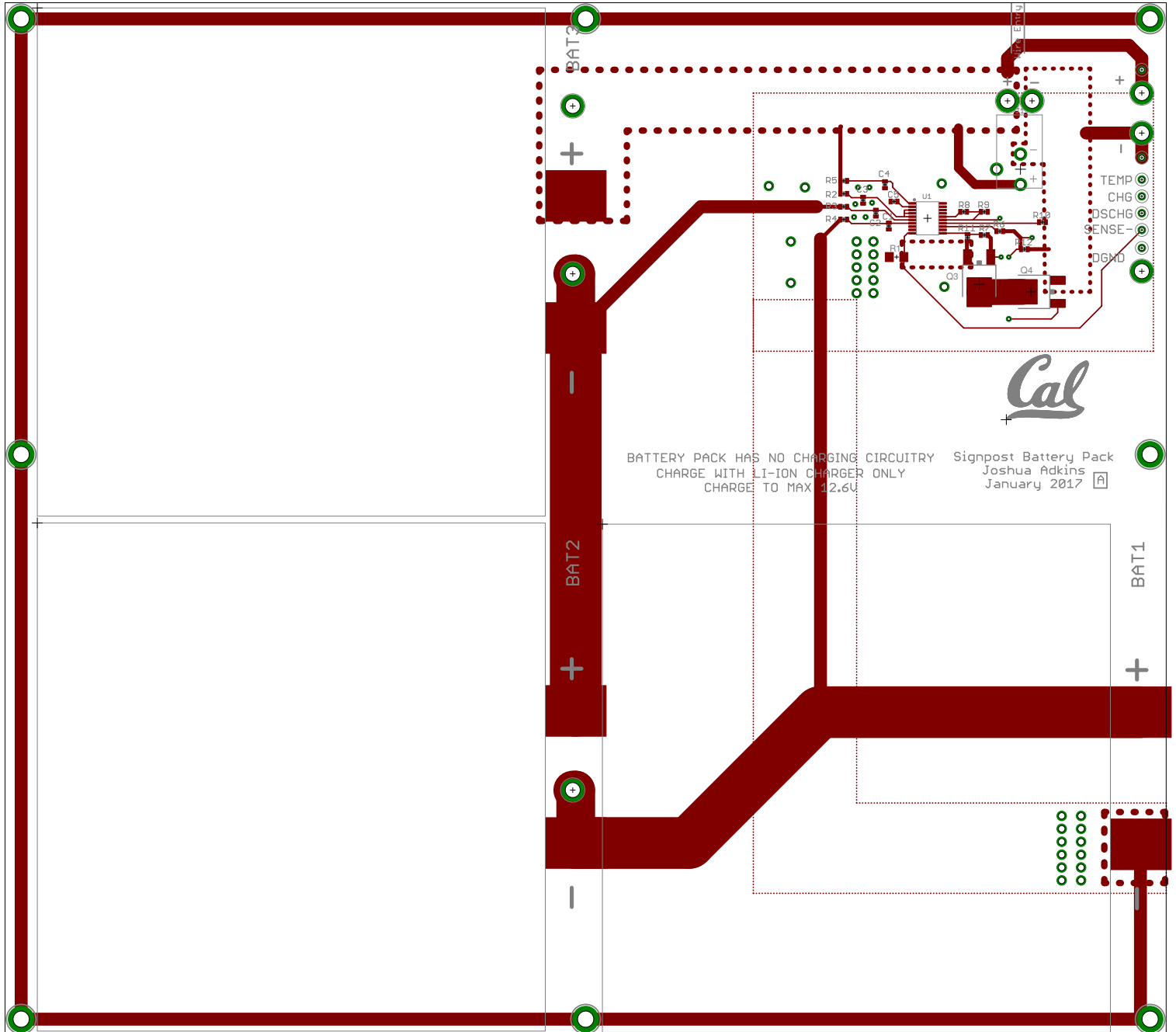
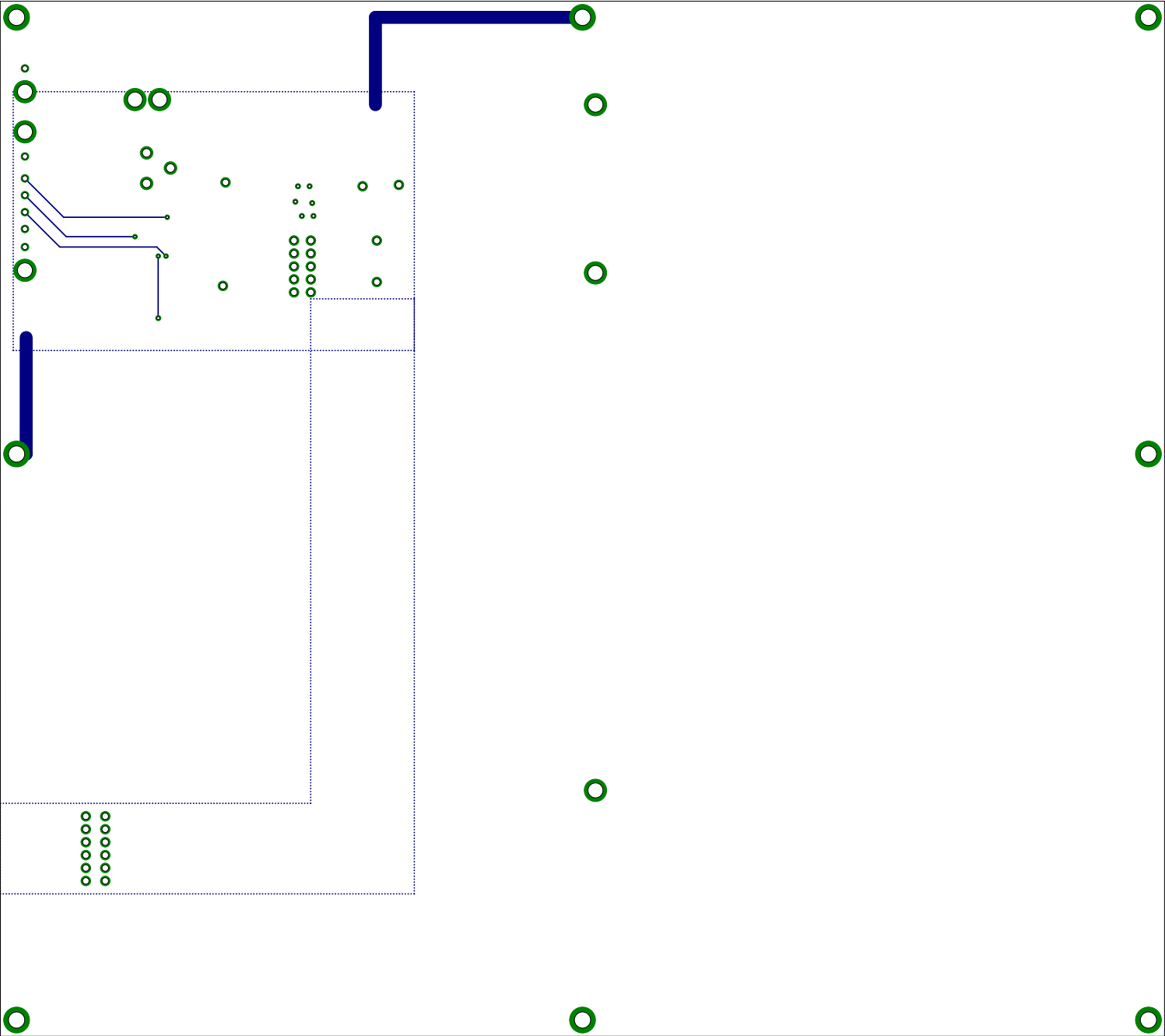
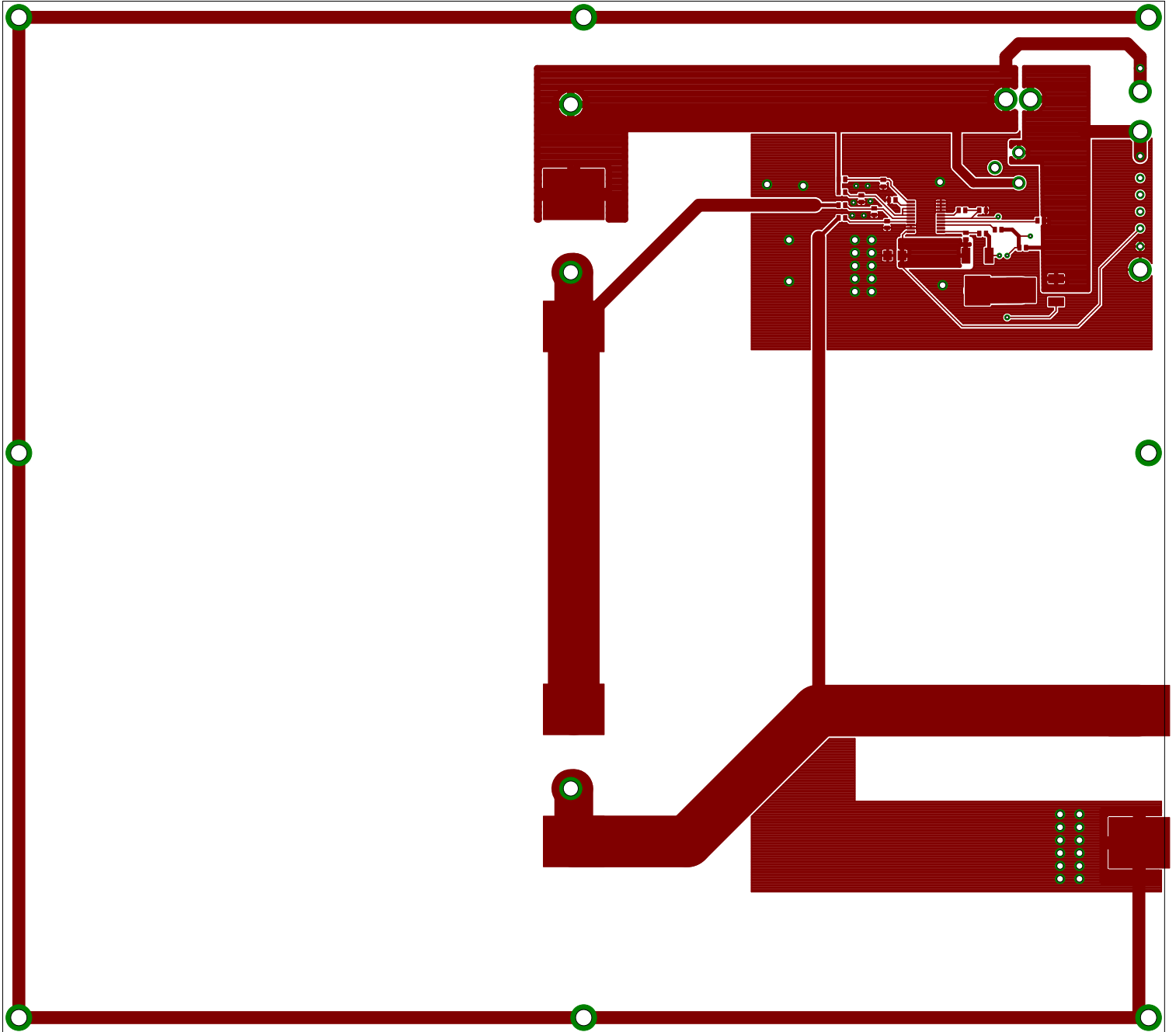


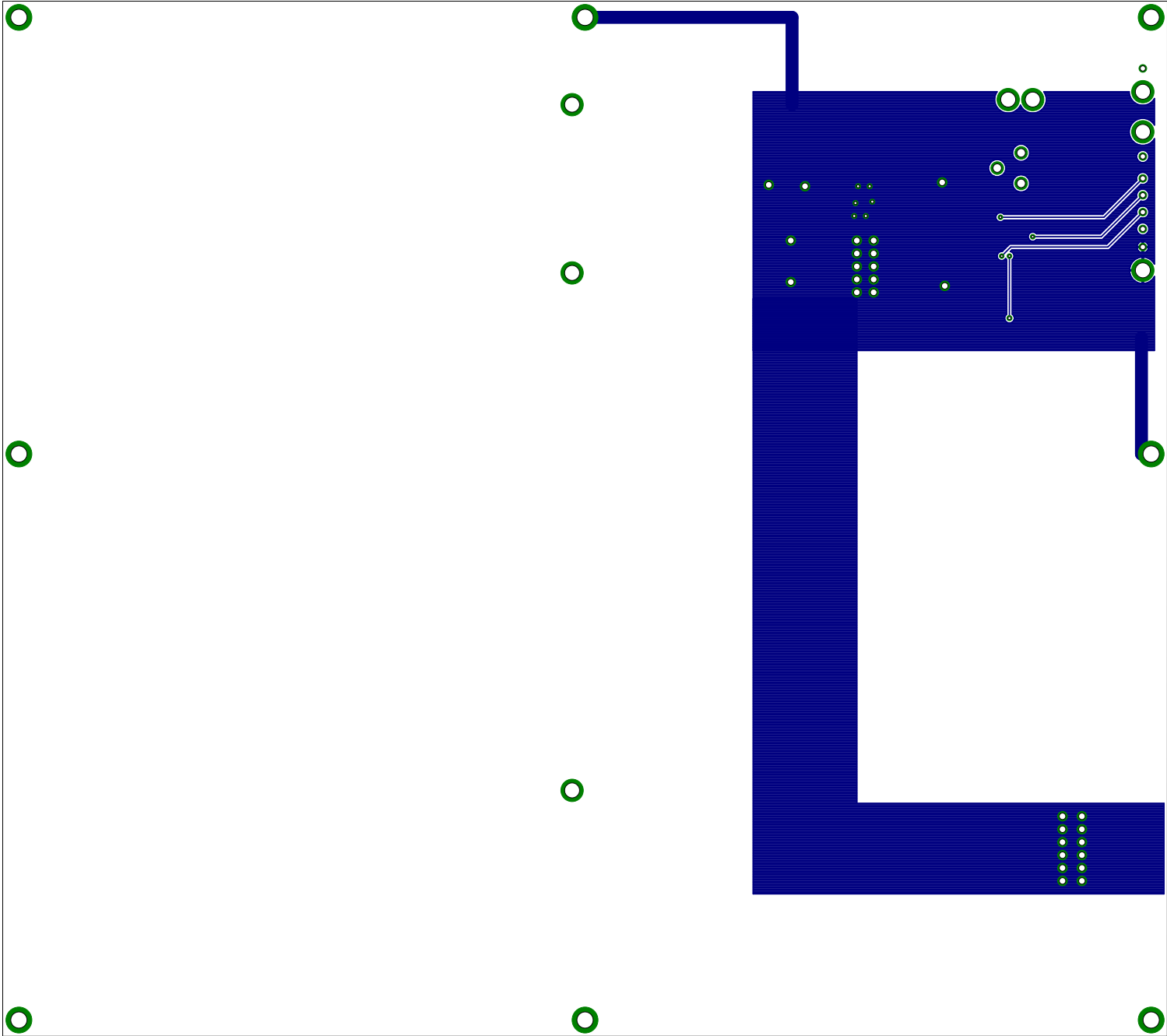
M Battery_Pack	REV: A
Author: Joshua Adkins	
Date: 1/19/17 2:02 AM	Sheet: 1/1









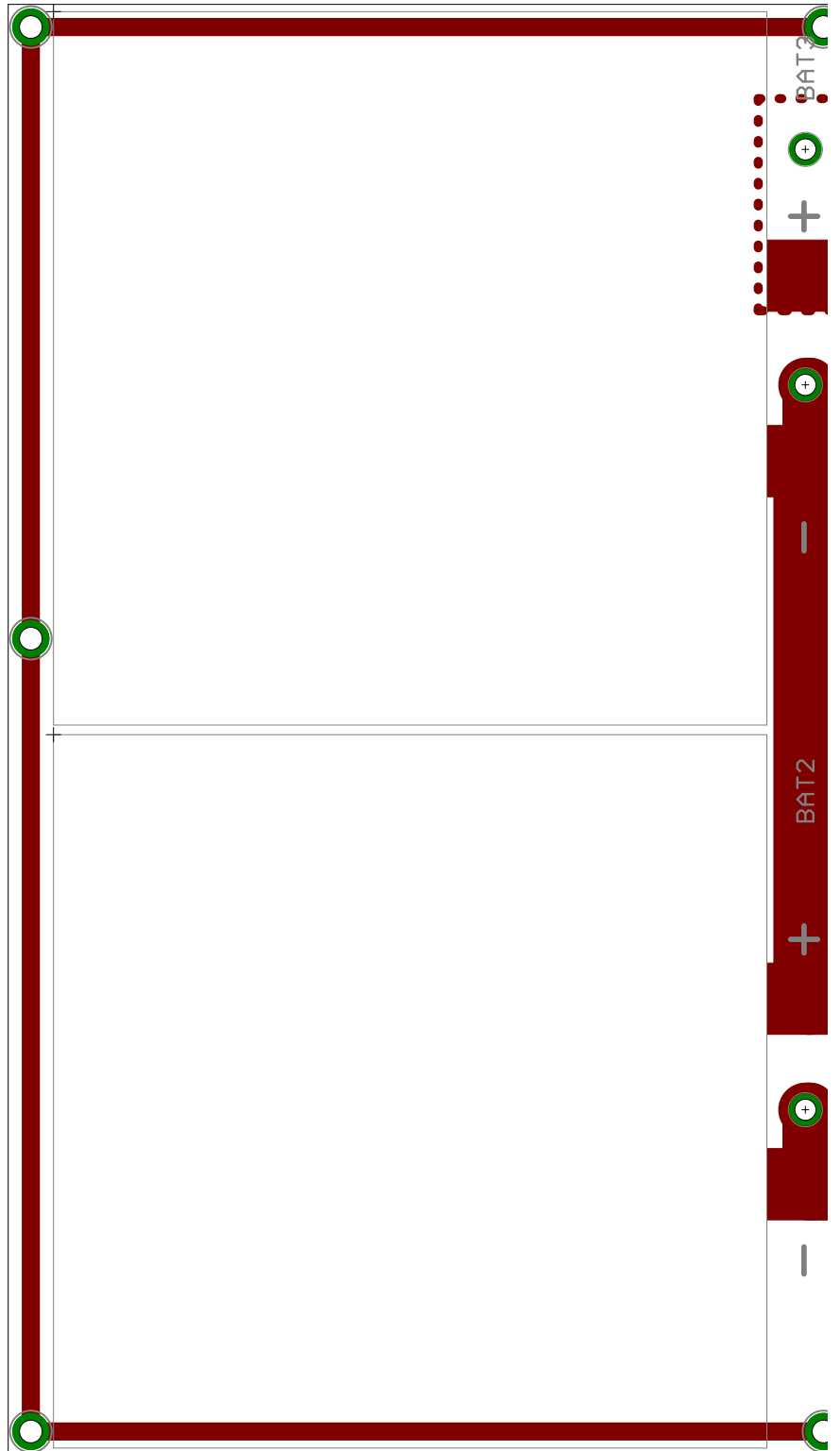


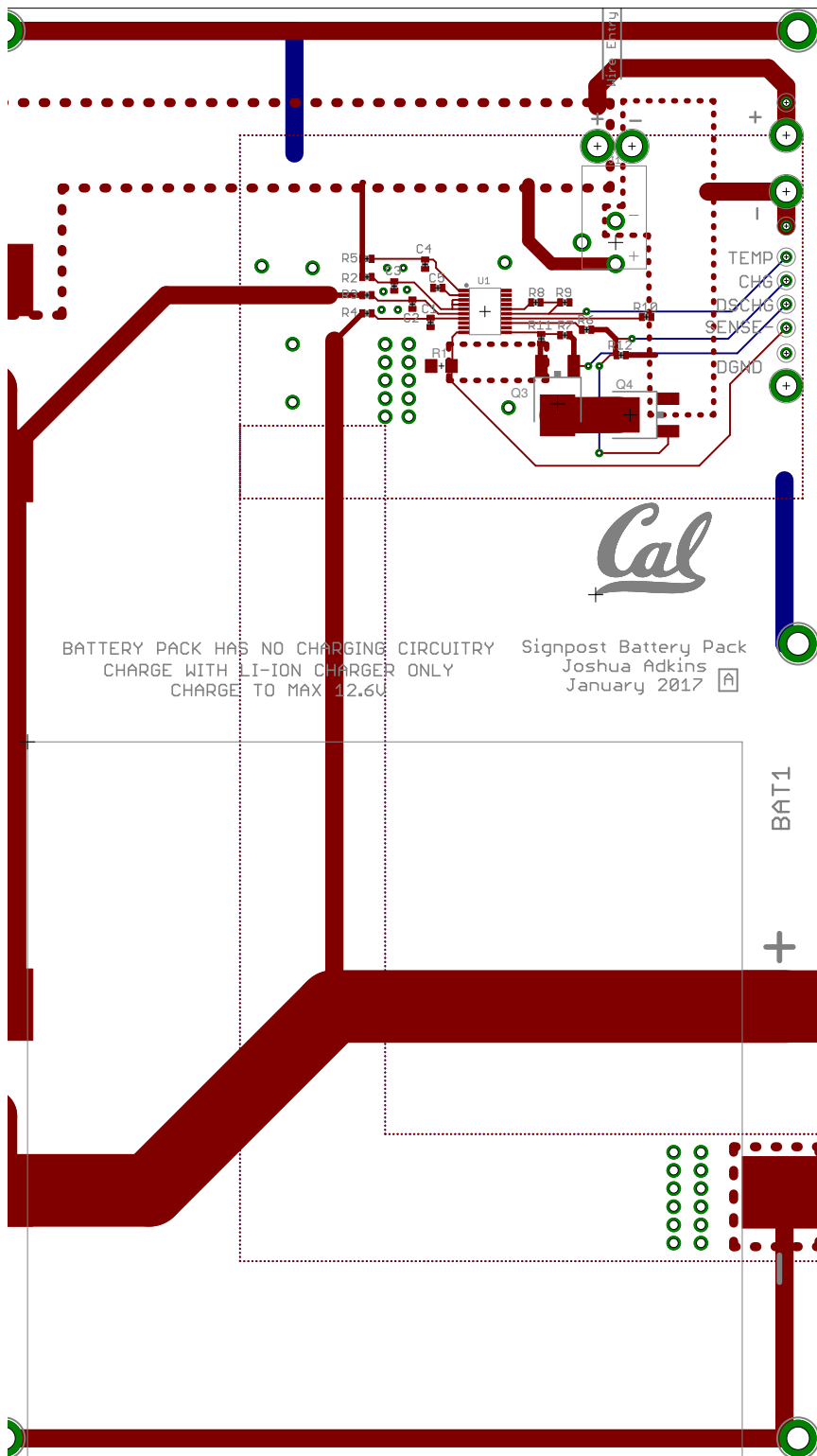
Top Paste Layer with Silkscreen

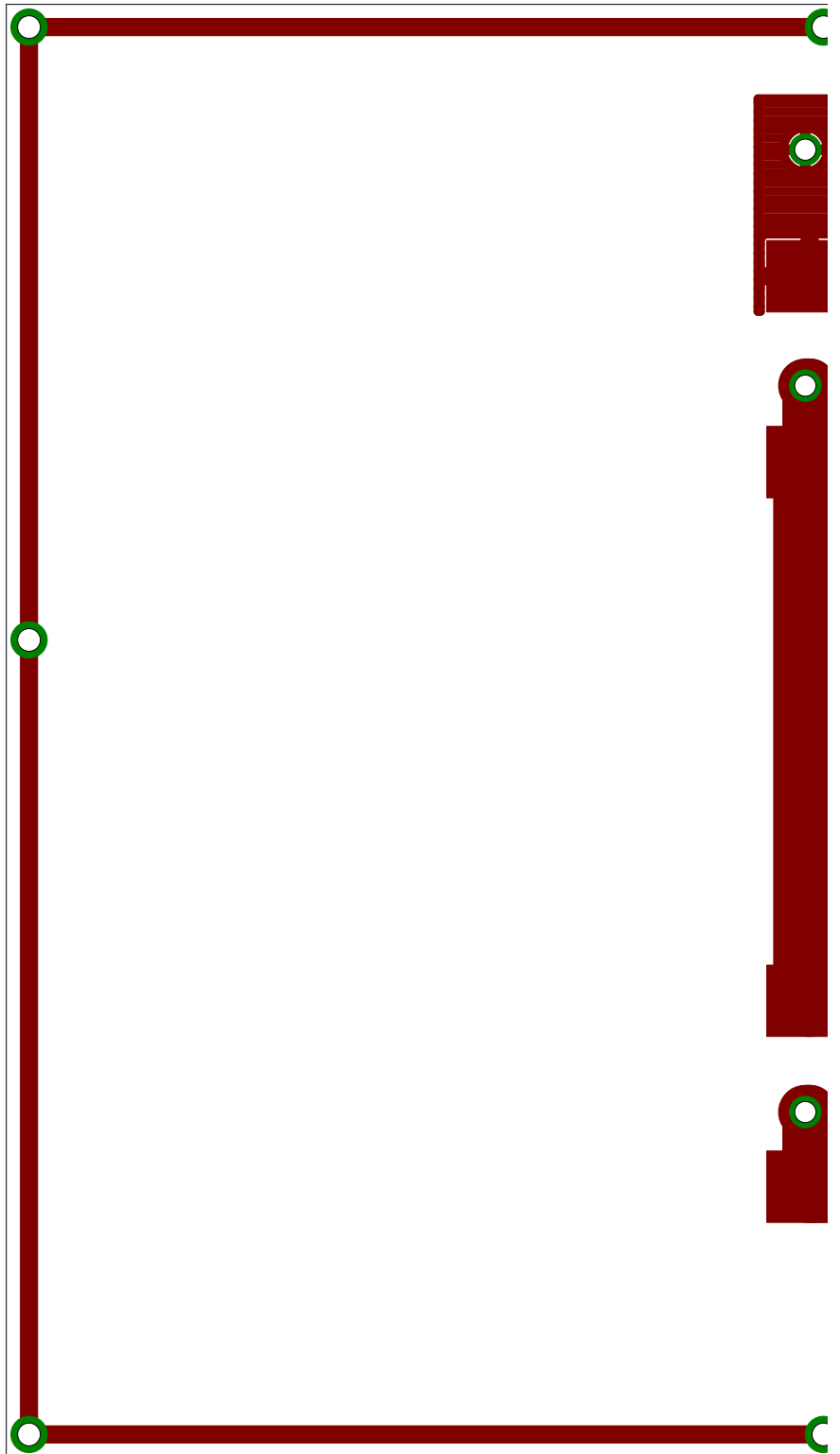


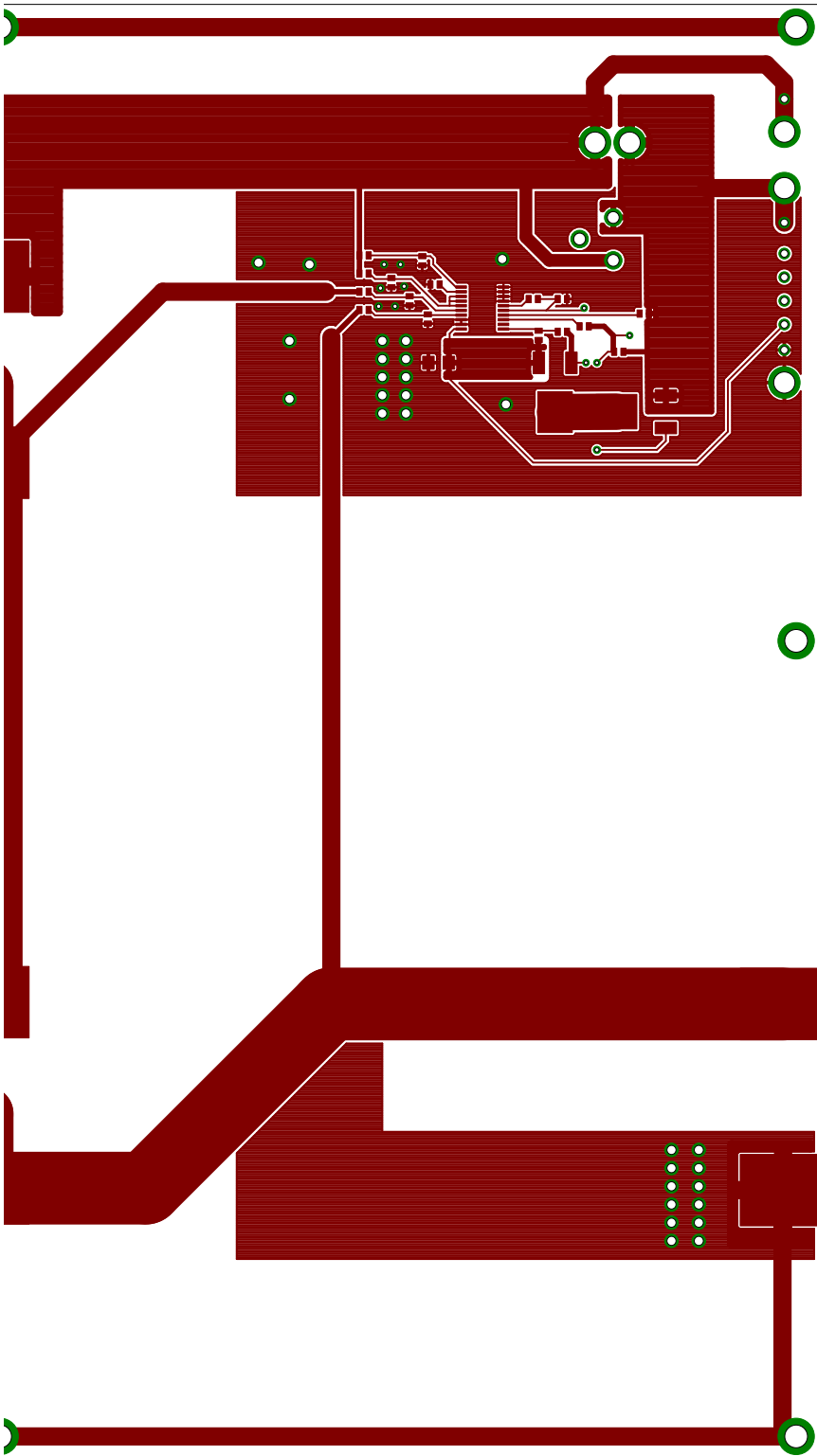
Bottom Paste Layer with Silkscreen

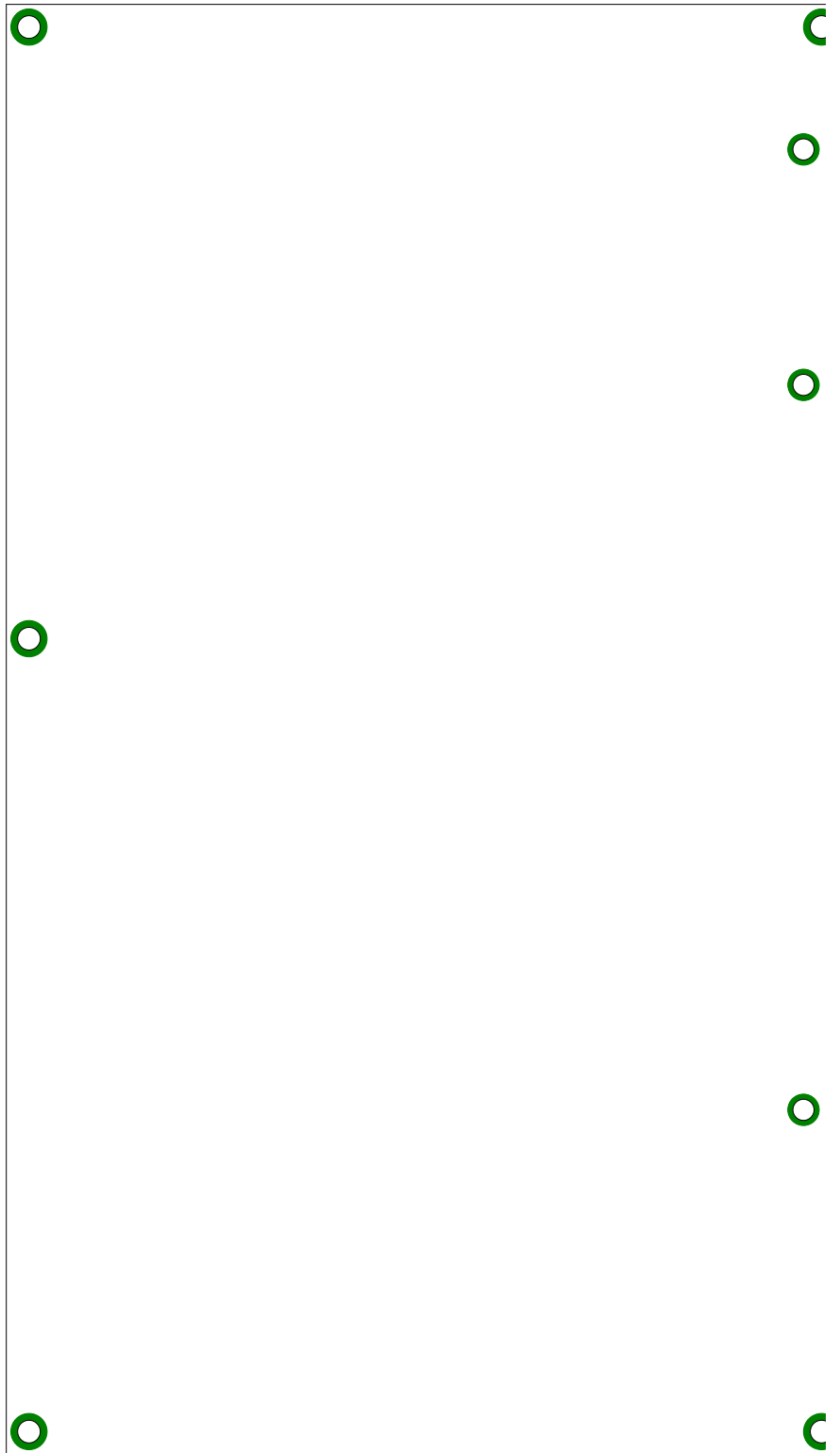


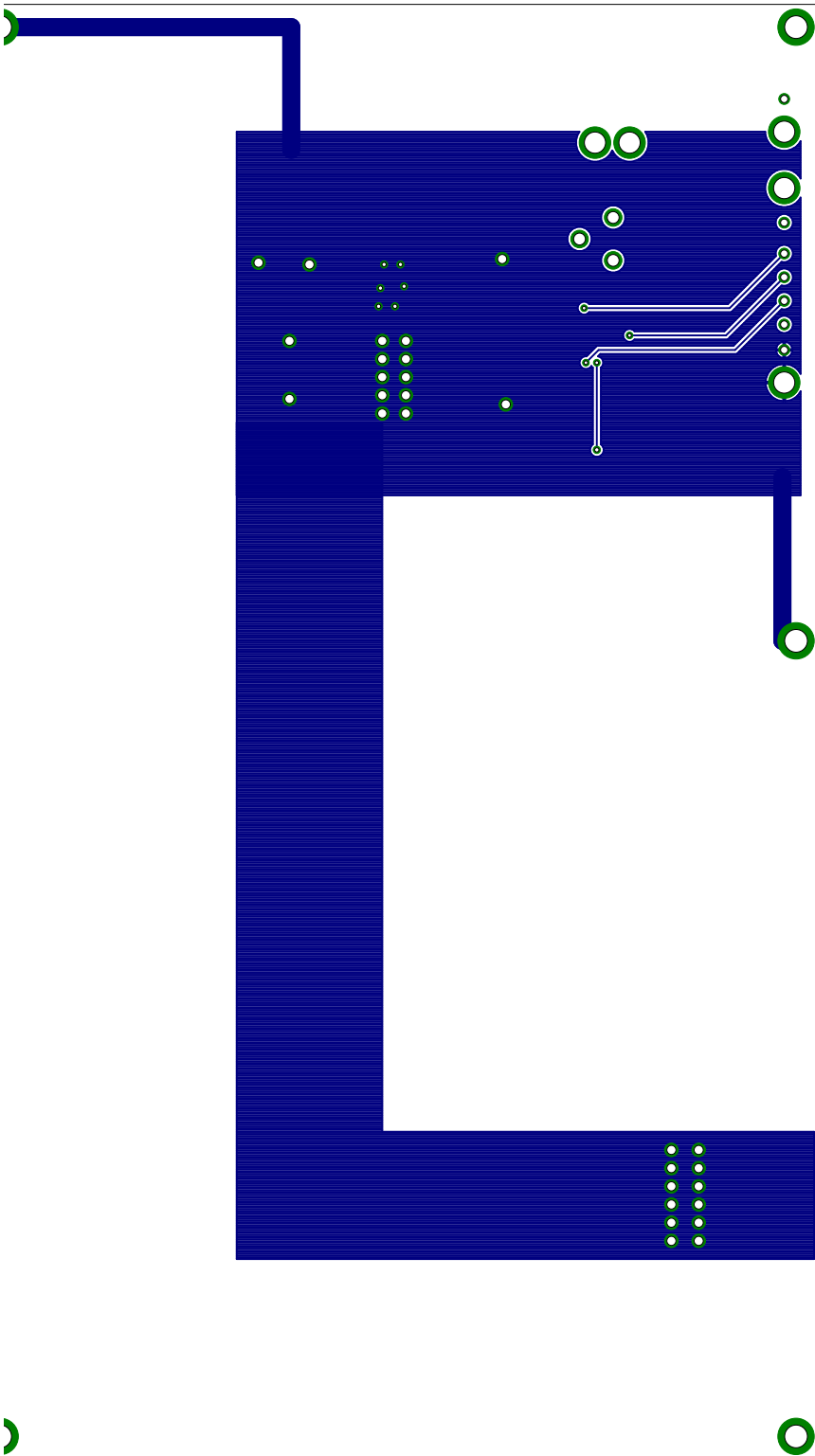












battery_pack_bom

Part	Value	Device	Package
BAT1	3.7V	BAT-CELL	PL-809797-1C
BAT2	3.7V	BAT-CELL	PL-809797-1C
BAT3	3.7V	BAT-CELL	PL-809797-1C
C1	0.1uF	CAPACITOR0603_CAP	0603_CAP
C2	0.1uF	CAPACITOR0603_CAP	0603_CAP
C3	0.1uF	CAPACITOR0603_CAP	0603_CAP
C4	1uF	CAPACITOR0603_CAP	0603_CAP
C5	1uF	CAPACITOR0603_CAP	0603_CAP
J1	PJ-102AH	PJ-102AH	PJ-102AH
Q3	MOSFET-NCHANNELFDD8580	MOSFET-NCHANNELFDD8580	DPAK
Q4	MOSFET-NCHANNELFDD8580	MOSFET-NCHANNELFDD8580	DPAK
R1		0.016 R-US_R1206	R1206
R2	1k	RESISTOR0603_RES	0603-RES
R3	1k	RESISTOR0603_RES	0603-RES
R4	1k	RESISTOR0603_RES	0603-RES
R5	1k	RESISTOR0603_RES	0603-RES
R6	1k	RESISTOR0603_RES	0603-RES
R7	4.5k	RESISTOR0603_RES	0603-RES
R8	10k	RESISTOR0603_RES	0603-RES
R9	10k 3435K-B25/85	RESISTOR0603_RES	0603-RES
R10	450k	RESISTOR0603_RES	0603-RES
R11	1M	RESISTOR0603_RES	0603-RES
R12	1M	RESISTOR0603_RES	0603-RES
TP1	TEST_POINT_0.112IN	TEST_POINT_0.112IN	TESTPOINT_0.112IN
TP2	TEST_POINT_0.112IN	TEST_POINT_0.112IN	TESTPOINT_0.112IN
TP3	TEST_POINT_0.040IN	TEST_POINT_0.040IN	TESTPOINT_0.040IN
TP4	TEST_POINT_0.040IN	TEST_POINT_0.040IN	TESTPOINT_0.040IN
TP5	TEST_POINT_0.112IN	TEST_POINT_0.112IN	TESTPOINT_0.112IN
TP6	TEST_POINT_0.112IN	TEST_POINT_0.112IN	TESTPOINT_0.112IN
TP7	TEST_POINT_0.112IN	TEST_POINT_0.112IN	TESTPOINT_0.112IN
TP8	TEST_POINT_0.112IN	TEST_POINT_0.112IN	TESTPOINT_0.112IN
TP9	TEST_POINT_0.040IN	TEST_POINT_0.040IN	TESTPOINT_0.040IN
TP10	TEST_POINT_0.040IN	TEST_POINT_0.040IN	TESTPOINT_0.040IN
TP11	TEST_POINT_0.040IN	TEST_POINT_0.040IN	TESTPOINT_0.040IN
TP12	TEST_POINT_0.040IN	TEST_POINT_0.040IN	TESTPOINT_0.040IN
TP13	TEST_POINT_0.040IN	TEST_POINT_0.040IN	TESTPOINT_0.040IN
TP14	TEST_POINT_0.112IN	TEST_POINT_0.112IN	TESTPOINT_0.112IN
TP15	TEST_POINT_0.112IN	TEST_POINT_0.112IN	TESTPOINT_0.112IN
U1	BQ77904	BQ77904	TSSOP-20/6MM

battery_pack_bom			
Description	DIGIKEY	MOUSER	NEWARK
A single cell of a battery			
A single cell of a battery			
A single cell of a battery			
0402 Capacitor	311-1087-1-ND		
0402 Capacitor	312-1087-1-ND		
0402 Capacitor	313-1087-1-ND		
0402 Capacitor	311-1445-1-ND		
0402 Capacitor	312-1445-1-ND		
DC Power Jack	CP-102AH-ND		
Generic NMOS footprint	FDD8447L_F085CT-ND		
Generic NMOS footprint	FDD8447L_F085CT-ND		
RESISTOR, American symbol	P0.016BVCT-ND		
Resistor	311-1.0KGRCT-ND		
Resistor	312-1.0KGRCT-ND		
Resistor	313-1.0KGRCT-ND		
Resistor	314-1.0KGRCT-ND		
Resistor	315-1.0KGRCT-ND		
Resistor	311-4.53KHRCT-ND		
Resistor	311-10KGRCT-ND		
Resistor	445-2554-1-ND		
Resistor	311-453KHRCT-ND		
Resistor	311-1.0MGRCT-ND		
Resistor	312-1.0MGRCT-ND		
Solder terminal, turreted			40F6015
Solder terminal, turreted			40F6015
0.040in Test Point	5001K-ND		
0.040in Test Point	5001K-ND		
Solder terminal, turreted			40F6015
Solder terminal, turreted			40F6015
Solder terminal, turreted			40F6015
Solder terminal, turreted			40F6015
0.040in Test Point	5001K-ND		
0.040in Test Point	5001K-ND		
0.040in Test Point	5001K-ND		
0.040in Test Point	5001K-ND		
0.040in Test Point	5001K-ND		
Solder terminal, turreted			40F6015
Solder terminal, turreted			40F6015
A battery protection chip with OV/UV/OT/UT	296-44599-5-ND	595-BQ7790503PW	