Add BH123 holder for BOM
Add crystal for teensy RTC

U1
LD3985M33R

BT1
Batt3.7V

C13
10uF

C1
0.01uF

L1
Wire

C6
1uF

DRC fails b/c it does not see this
as driving power for GNDA.

J1
Micro_SD_Card

CS	1	DAT2
	2	DAT3/CD
DOUT	3	CMD
T3V3	4	VDD
SCK	5	CLK
	6	VSS
DIN	7	DAT0
	8	DAT1
	9	SHIELD

C3
10uF

Y?
Crystal

U2
Teensy3.2

	1	GND			
	2	0_RX1_Touch	A13	51	A13
	3	1_TX1_Touch	3.3V	50	
	4	2	33_Touch	49	
EN_3V3	5	3_TX_PWM	32_Touch_PWM	48	
	6	4_RX_PWM	31_A20_TX2	47	
	7	5_TX1_PWM	30_A19_SDA1	46	
	8	6_PWM	29_A18_SCL1	45	
	9	7_RX3_DOUT	28_A17	44	
	10	8_TX3_DIN	27_A16	43	
	11	9_RX2_CS_PWM	26_A15_RX2	42	
CS	12	10_TX2_CS_PWM	25_Touch_PWM	41	
DOUT	13	11_DOUT	24	40	
DIN	14	12_DIN	GND	39	
	15	VBat	A12	38	A12
	16	3.3V	A11	37	A11
	17	GND	A10	36	A10
	18	Program	AREF	35	
DAC	19	A14/DAC	VUSB	34	
SCK	20	13_LED_SCK	Vin	33	3V7
A0	21	14_A0_SCK	AGND	32	
A1	22	15_A1_CS0_Touch	3.3V_max100mA	31	T3V3
SCL	23	16_A2_SCL0_Touch	23_A9_Touch_PWM	30	
SDA	24	17_A3_SDA0_Touch	22_A8_Touch_PWM	29	
	25	18_A4_SDA0_Touch	21_A7_RX1_CS_PWM	28	
	26	19_A5_SCL0_Touch			
	27	20_A6_CS_PWM			

T3V3

R5
10k

R6
10k

CONN_01X04
P3

R11
120k

3V7

A1

R10
50k

0.1uF
C2

R1
50k

3V3

Half3v3

R2
50k

C7
0.1uF

U4A
MCP6072

Half3v3

3V3

C12
0.1uF

GNDA

A12

R15
120k

R17
120k

C15 C14
10uF 10uF

U7
AD623

A13

R19
10k

Gain approx 10

U5B
MCP6072

DAC

3V3

R3
500

CurDriveA

CurSense1

CurSense2

R14

CONN_01X02
P2

U5A
MCP6072

Half3v3

3V3

C8
0.1uF

CurDriveB

1:1 pulse xfmr

U4B
MCP6072

Half3v3

3V3

C9
0.1uF

GNDA

3V3

C11
0.1uF

RTD
P4

U8
Tbridge
AD623

R12
120k

R7
120k

R13
120k

R8
10k

U8gain

U8gain2

C4
0.1uF

CONN_01X02
P1

C16
10uF

C17
10uF

VSense1

VSense2

R16
120k

R18
120k

3V3

C10
0.1uF

GNDA

A11

U6
AD623

A10

R4
10k

U6gain

U6gain2