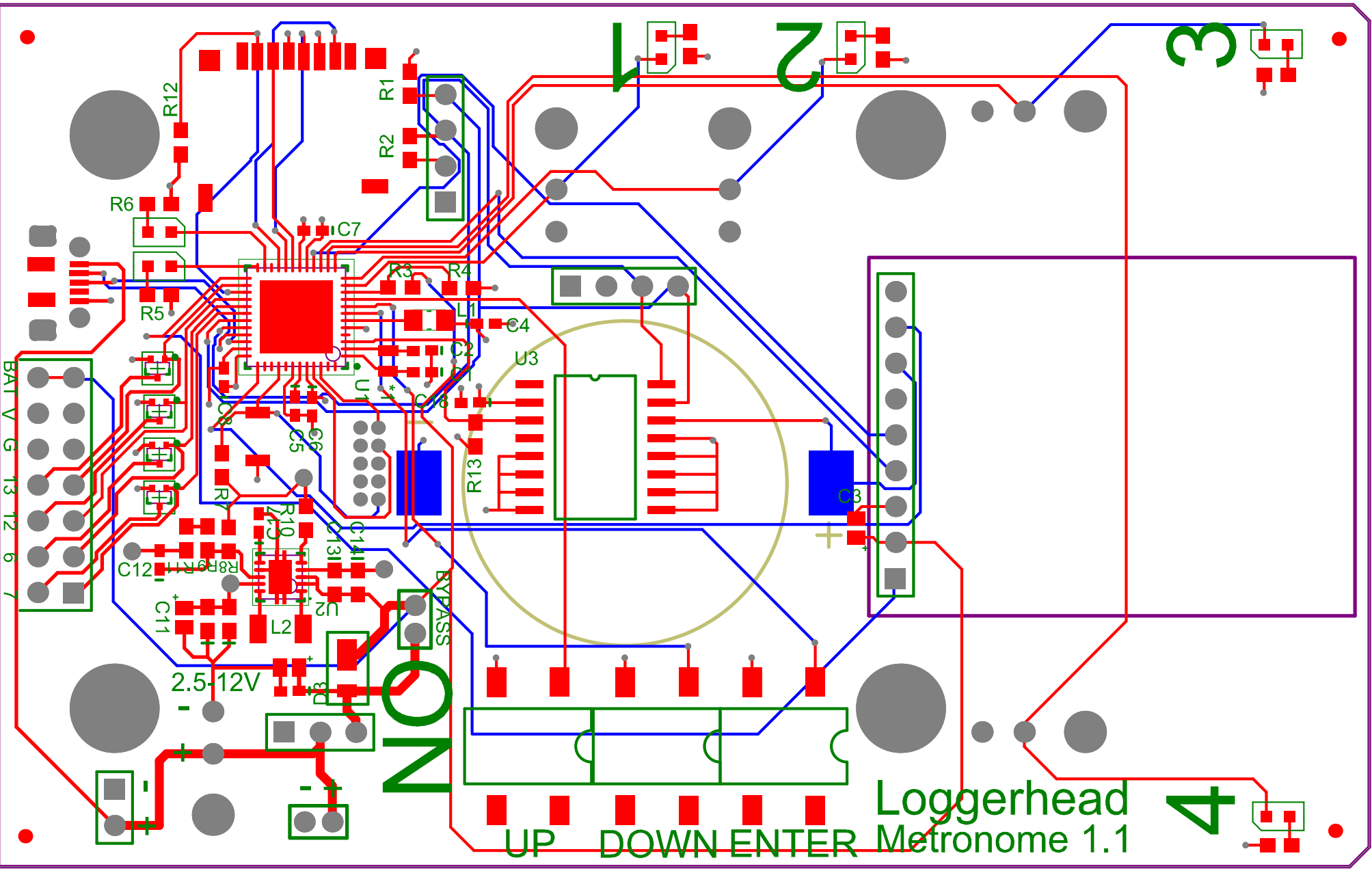


Title OpenSwitch Power		
Size A	Number Loggerhead	Revision 1.0
Date:	1/15/2020	Sheet 2 of 2
File:	C:\w\...\OpenSwitch Power.SchDoc	Drawn By: D. Mann



NO

Loggerhead
Metronome 1.1

UP DOWN ENTER



Comment	Description	Designator	Footprint	LibRef	Quantity
XTAL_ABS06		*1	XTAL-ABS06	XTAL_ABS06	1
22.5pF	Ceramic Chip Capacitor - Standard	C1, C2	0402	C0402	2
1uF		C3	Tant0805	Tant0805	1
0.1uF	Ceramic Chip Capacitor - Standard	C4, C5, C6, C10, C17, C18	0402	C0402	6
0.1 uF	Ceramic Chip Capacitor - Standard	C7, C8	0402	C0402	2
10uF		C9	Tant0805	Tant0805	1
47uF		C11	Tant0805	Tant0805	1
10pF	Ceramic Chip Capacitor - Standard	C12	0402	C0402	1
10uF	Ceramic Chip Capacitor - Standard	C13, C14, C15, C16	0603	C0603	4
LED_0603		D1, D2, D4, D5, D6, D7	Diode0603	LED_0603	6
Shottky		D3	DFL5130	DFL5130	1
300Ohm	Ferrite 25mOhm@DC, 60 Ohm@100MHz	L1	0805 (M2125) Ferrite	Ferrite 0805(M2125) 3A	1
1uH		L2	Inductor_NLV32T	Inductor_NLV32T	1
Header 4	Header, 4-Pin	P1	HDR1X4	Header 4	1
Display	Header, 4-Pin	P2	HDR1X4	Header 4	1
GPS	Header, 9-Pin	P3	HDR1X9	Header 9	1
MicroFit3_2pin_RT		P4, P14, P15, P16, P20	Microfit 3 - 2 pin RT	MicroFit3_2pin_RT	5
switch	Header, 3-Pin	P5	HDR1X3	Header 3	1
Tactile		P6	Tactile-B3U-1000	Tactile_B3U-1000	1
Molex	Header, 2-Pin	P7	HDR1X2	Header 2	1
Cortex Debug		P8	Header_2x5_50mil	CortexDebug	1
Program		P9	microUSB-B	microUSB-B	1
JST		P10	HDR_2x1_2mm	HDR_2x1_2mm	1
pushbutton		P11, P12, P13	SOP4	pushbutton	3
Header 7X2	Header, 7-Pin, Dual row	P17	HDR2X7	Header 7X2	1
microSD Hirose		P18	DM3D microSD	microSD Hirose	1
CoinCellHolder		P19	CoinCellHolder	CoinCellHolder	1
HDR_2x1_2mm		P21	HDR_2x1_2mm	HDR_2x1_2mm	1
DMN5L06TK-7	Ultra-low leakage Enhanced MOSFET	Q1, Q2, Q3, Q4	SOT-523	FET DMN5L06TK-7	4
4.7k	Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W	R1, R2	3-0603	ERJ3RK	2
100k	Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W	R3	3-0603	ERJ3RK	1
40k	Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W	R4	3-0603	ERJ3RK	1
330X	Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W	R5, R6, R14, R15, R16, R17	3-0603	ERJ3RK	6
10K	Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W	R7, R12, R13	3-0603	ERJ3RK	3
1M	Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W	R8, R10	3-0603	ERJ3RK	2
161K	Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W	R9	3-0603	ERJ3RK	1
0X	Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W	R11	3-0603	ERJ3RK	1
ATSAMD21GA-MUT		U1	QFN127P600-8N	ATSAMD21G18	1
Buck-Boost 2.5-12V	TPS63060	U2	TPS63060	TPS63060	1
DS3231		U3	DS3231	DS3231	1