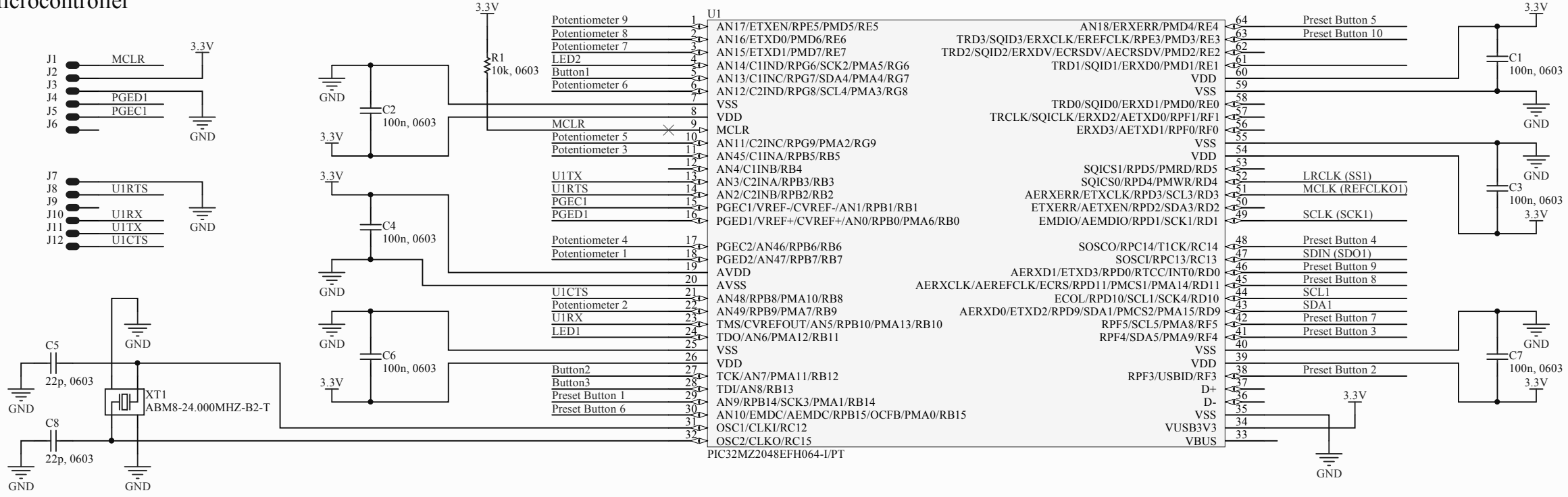


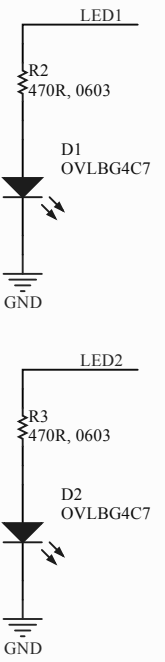
Designator	Quantity	Comment	Footprint
C1, C2, C3, C4, C6, C7, C15, C17, C21	9	100n, 0603	Capacitor 0603
C5, C8	2	22p, 0603	Capacitor 0603
C9, C10, C11, C12, C13, C14, C16, C18	8	2u2, 0603	Capacitor 0603
C19, C20	2	2n2, 0603	Capacitor 0603
D1, D2	2	OVLBG4C7	LED 3mm
D3	1	SA1	DO-214AC
J1, J2, J3, J4, J5, J6, J7, J8, J9, J10, J11, J12	12	Wire To Board Solder Pad	Wire To Board Solder Pad
J13	1	PJ-051A	PJ-051A
J14	1	SJ1-3525NG	SJ1-3525NG
R1, R13, R14	3	10k, 0603	Resistor 0603
R2, R3, R15, R16	4	470R, 0603	Resistor 0603
R4, R5, R6, R7, R8, R9, R10, R11, R12	9	10k, RV09ACF-40	RV09ACF-40
S1, S2, S3, S4, S5, S6, S7, S8, S9, S10	10	MX1A-E1NW	MX1A
S11, S12, S13	3	FSM14JHX	FSM14JHX
U1	1	PIC32MZ2048EFH064-I/PT	TQFP64
U2	1	UA78M33CDCY	SOT-223
U3	1	UA78M05CDCY	SOT-223
U4	1	CS4354	SOIC14
U5	1	24AA08-I/SN	SOIC8
XT1	1	ABM8-24.000MHZ-B2-T	ABM8

Microcontroller



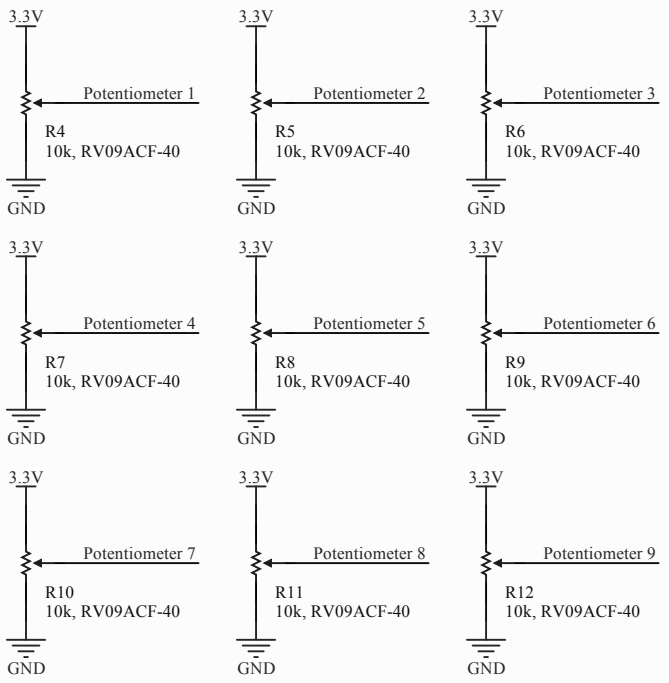
Assumes silicon revision A3 else silicon errata issues may prevent operation

LEDs

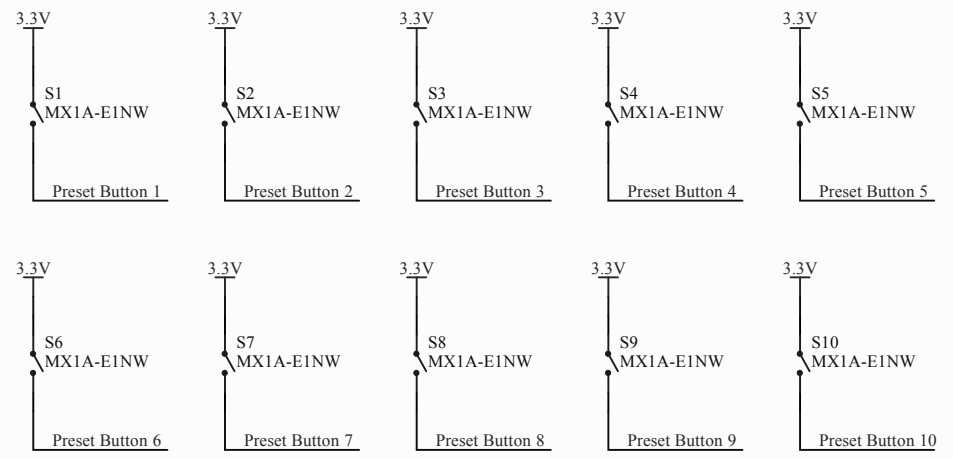


LED current <1mA

Potentiometers

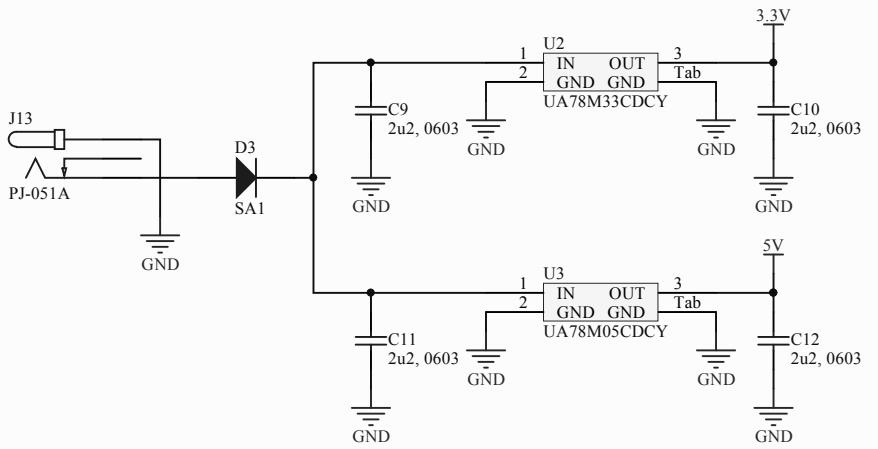


Keys

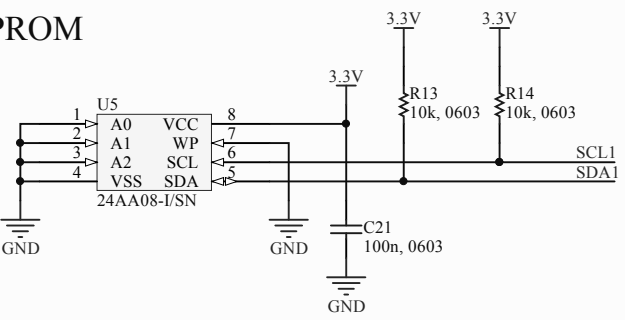


Requires microcontroller internal pull-up

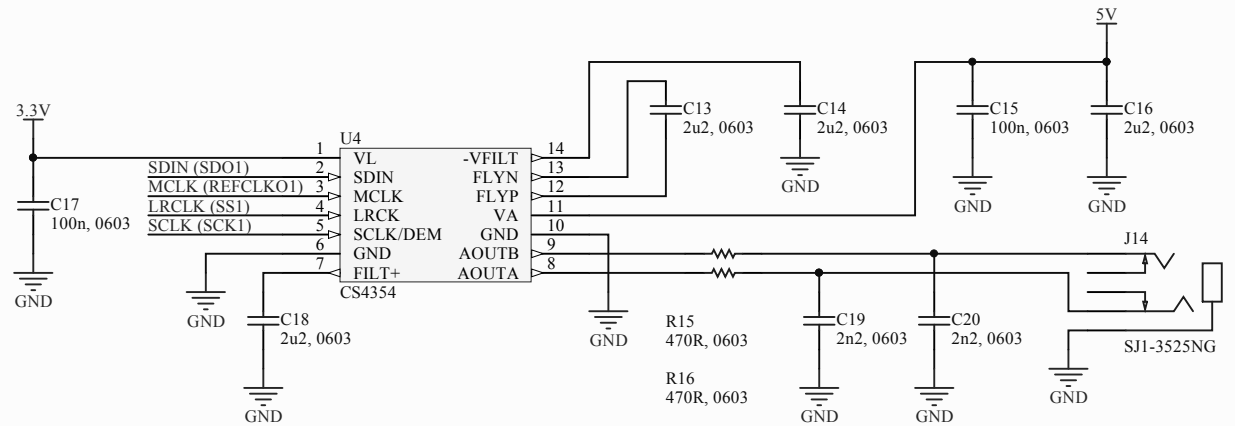
Voltage Regulators



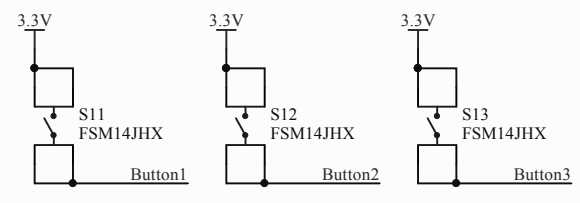
EEPROM



Audio DAC

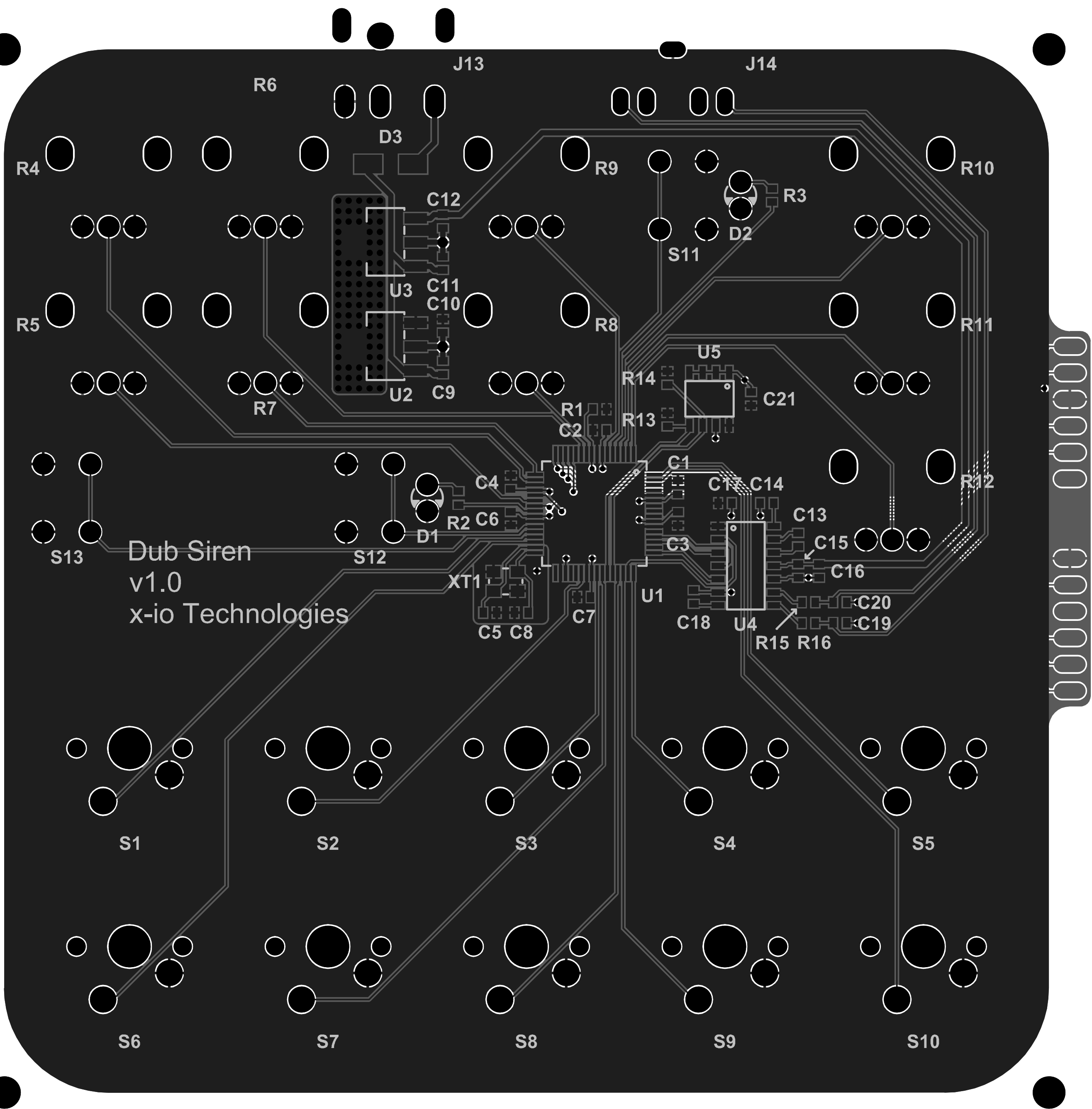


Buttons

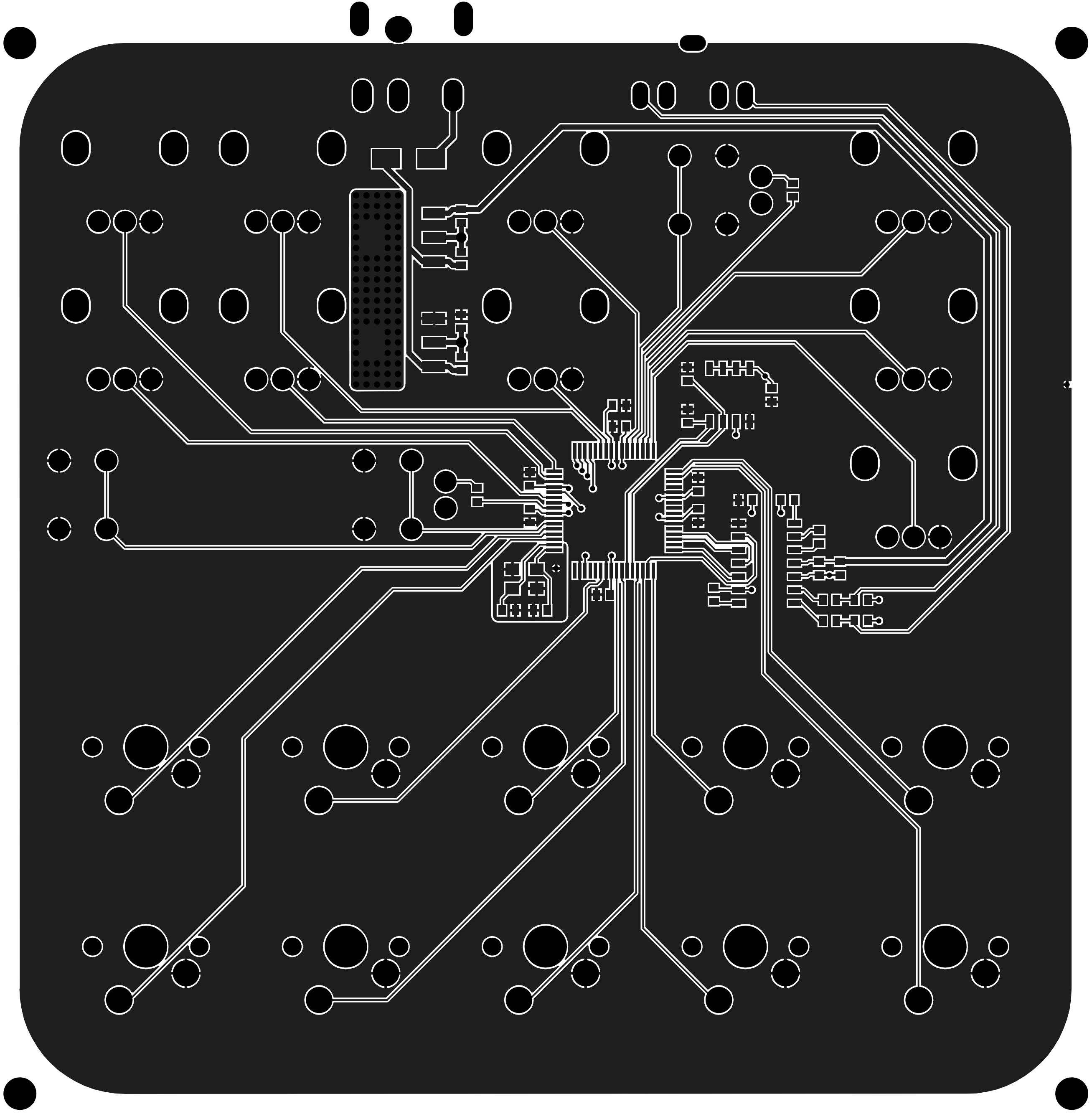


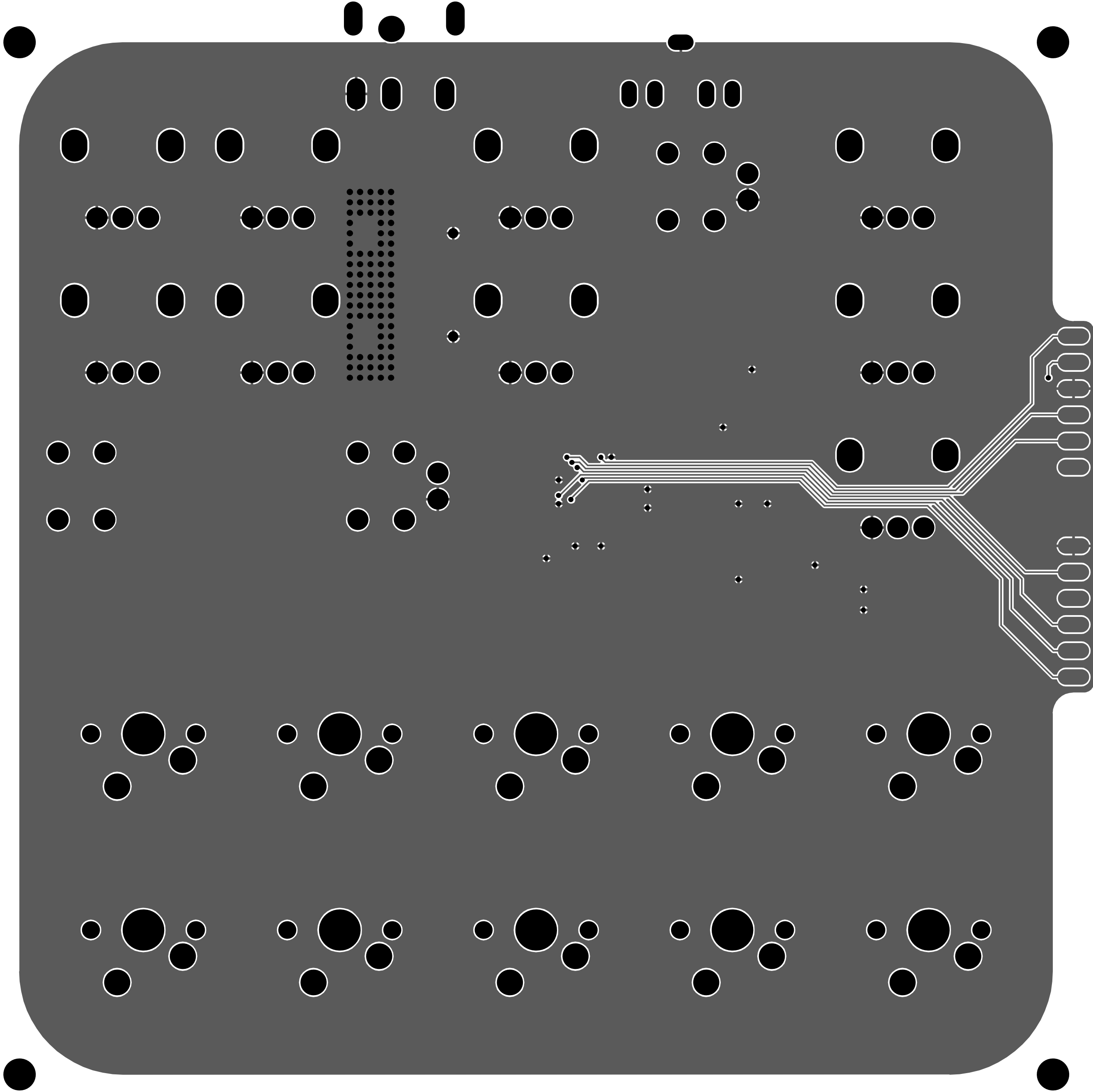
Requires microcontroller internal pull-up

Title		
Size	Number	Revision
A3		
Date:	30/05/2017	Sheet of
File:	C:\MyFiles\...\Sheet1.SchDoc	Drawn By:







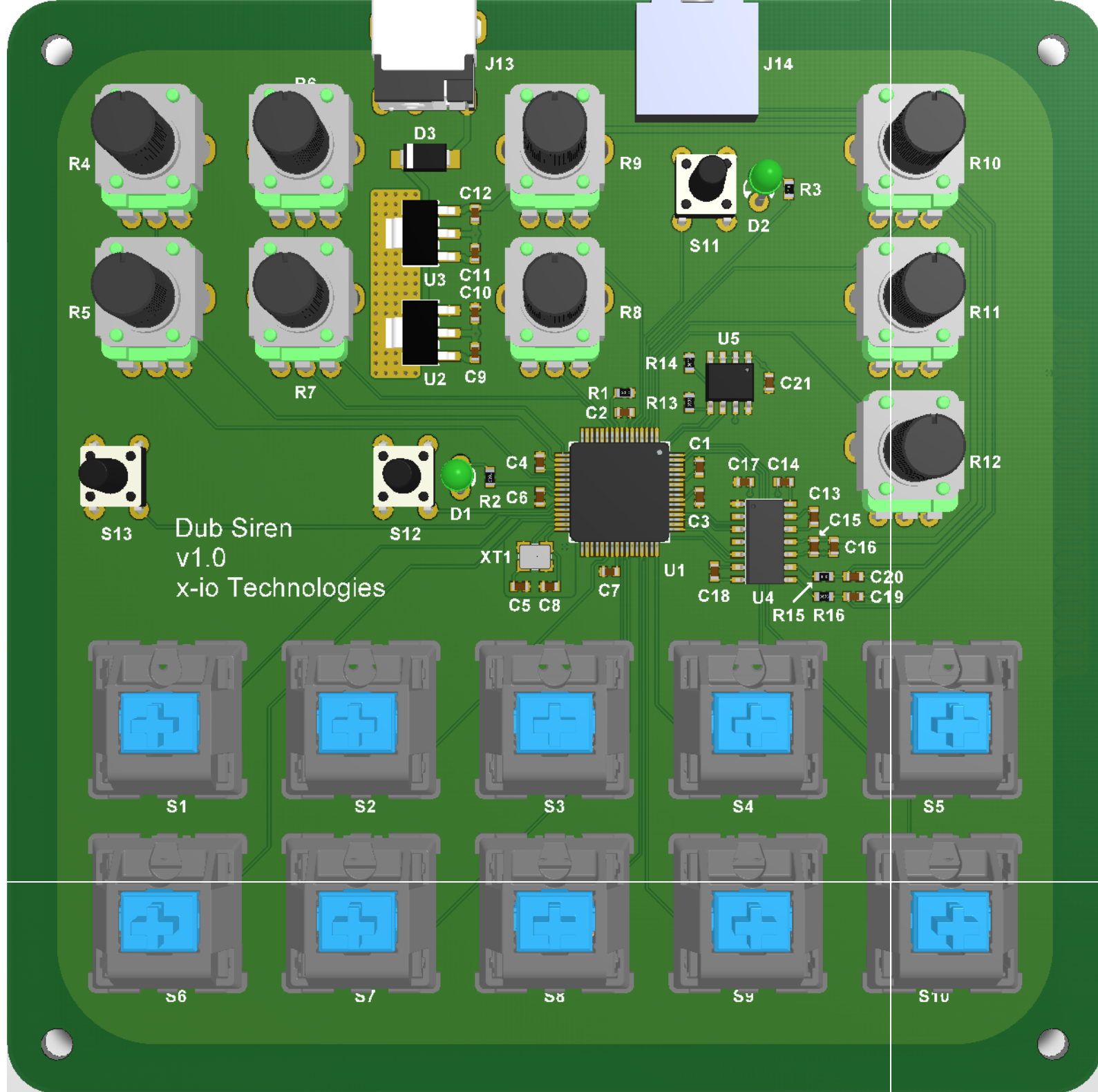


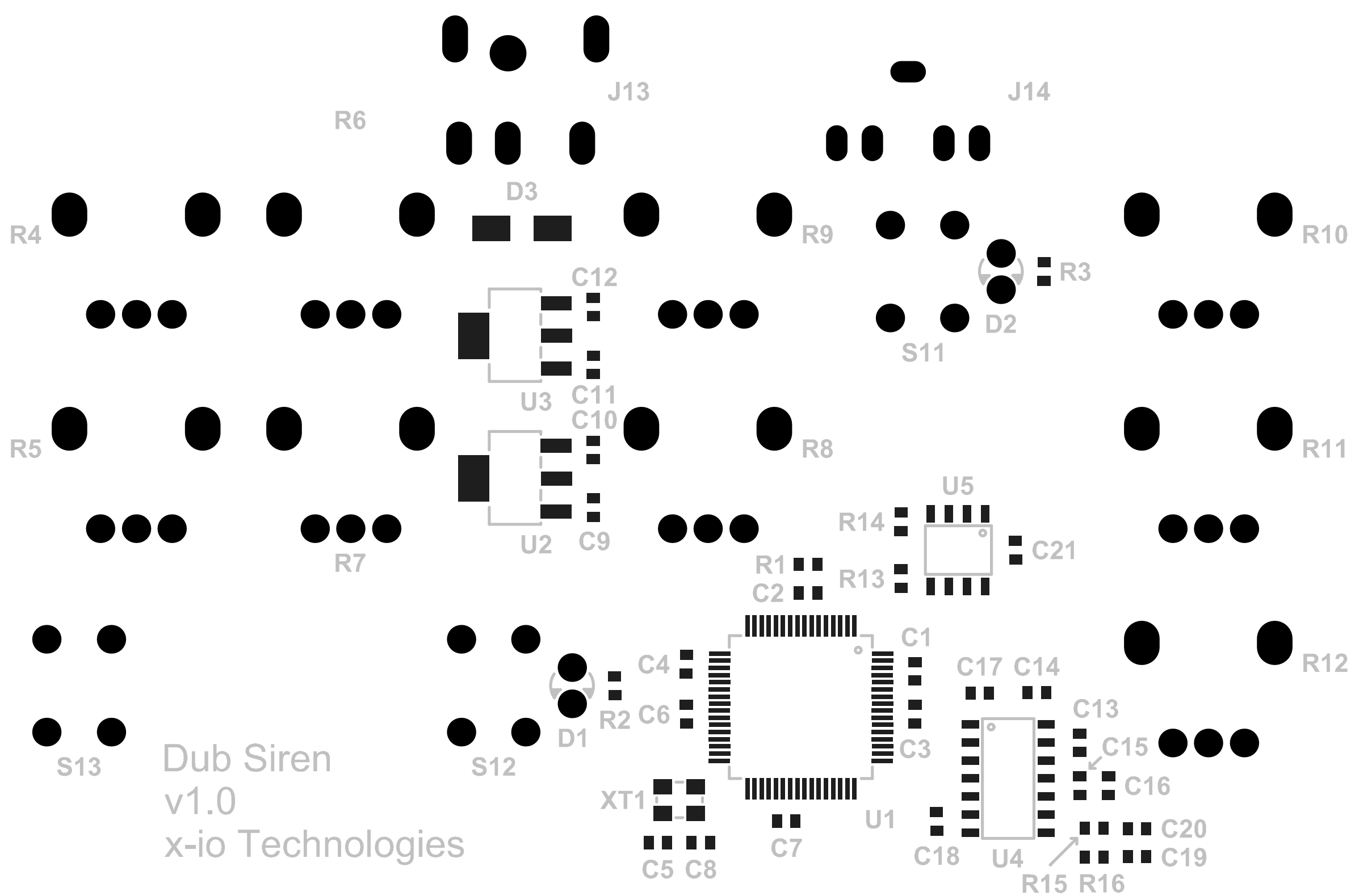
MCLR  
VDD  
VSS  
PGD  
PGC  
NC

GND  
RTS (Out)  
NC  
RX (In)  
TX (Out)  
CTS (In)

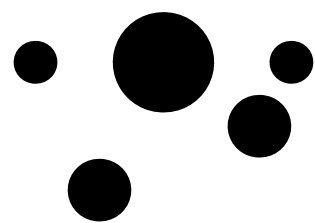




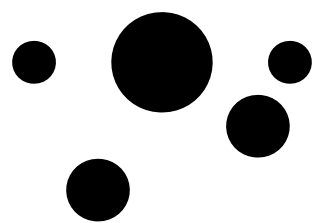




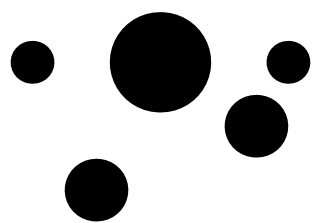
Dub Siren  
v1.0  
x-io Technologies



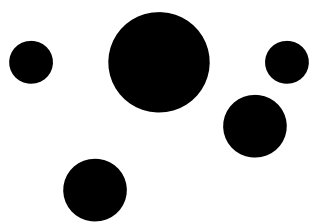
S1



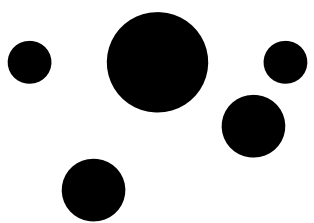
S2



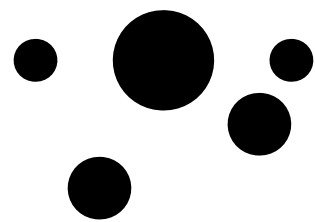
S3



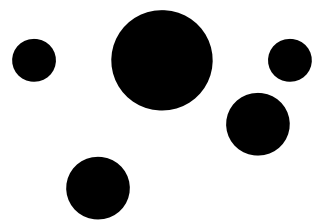
S4



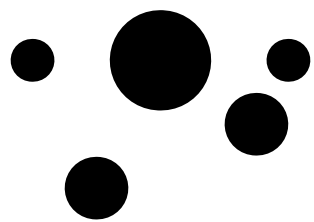
S5



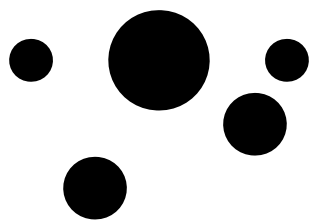
S6



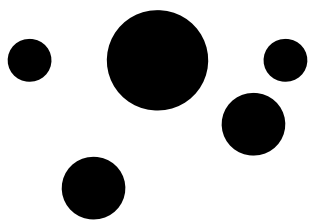
S7



S8



S9



S10

MCUR ☐

VDD ☐

VSS ☐

PGD ☐

PGC ☐

NC ☐

GND ☐

RTS (Out) ☐

NC ☐

RX (In) ☐

TX (Out) ☐

CTS (In) ☐