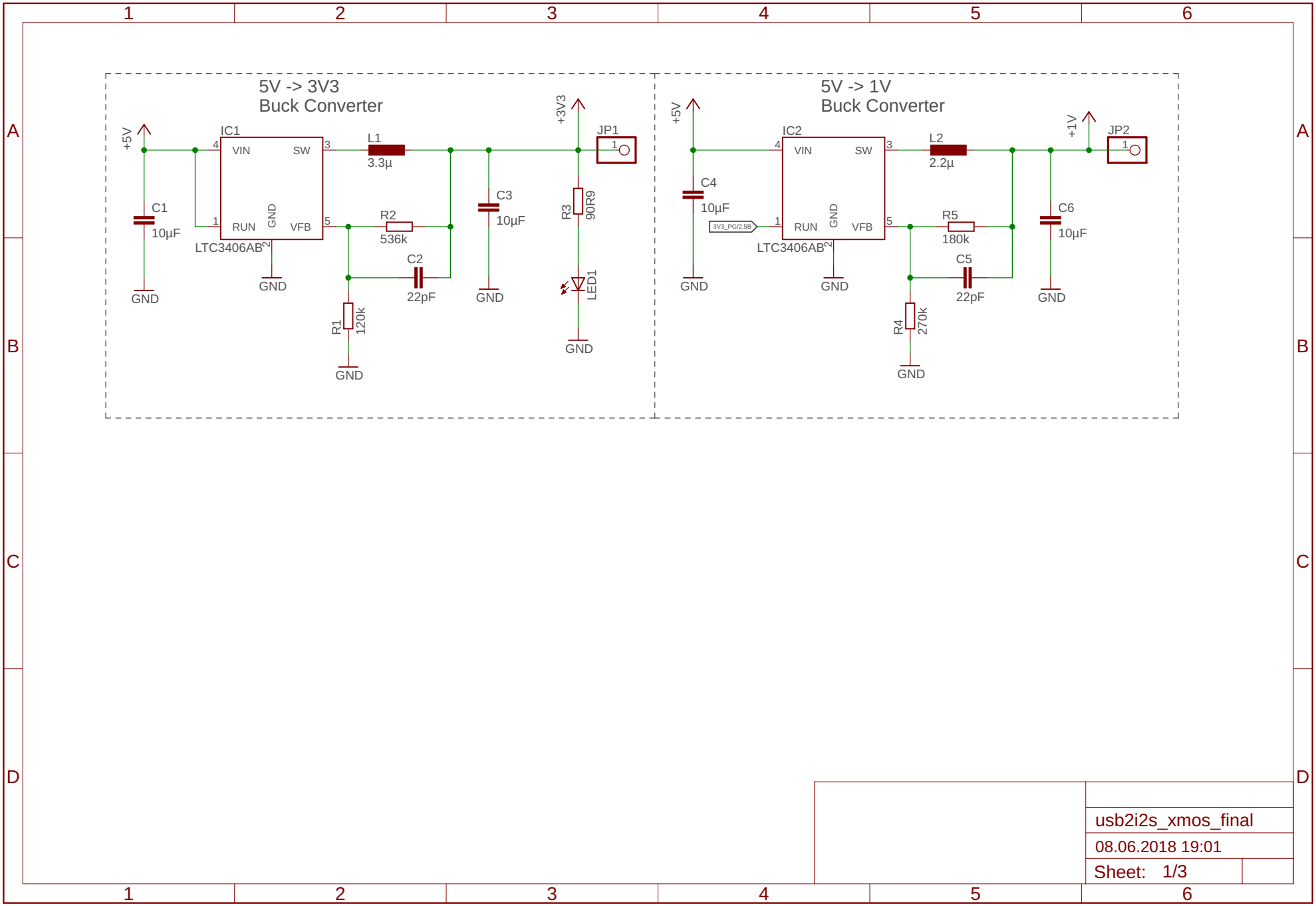
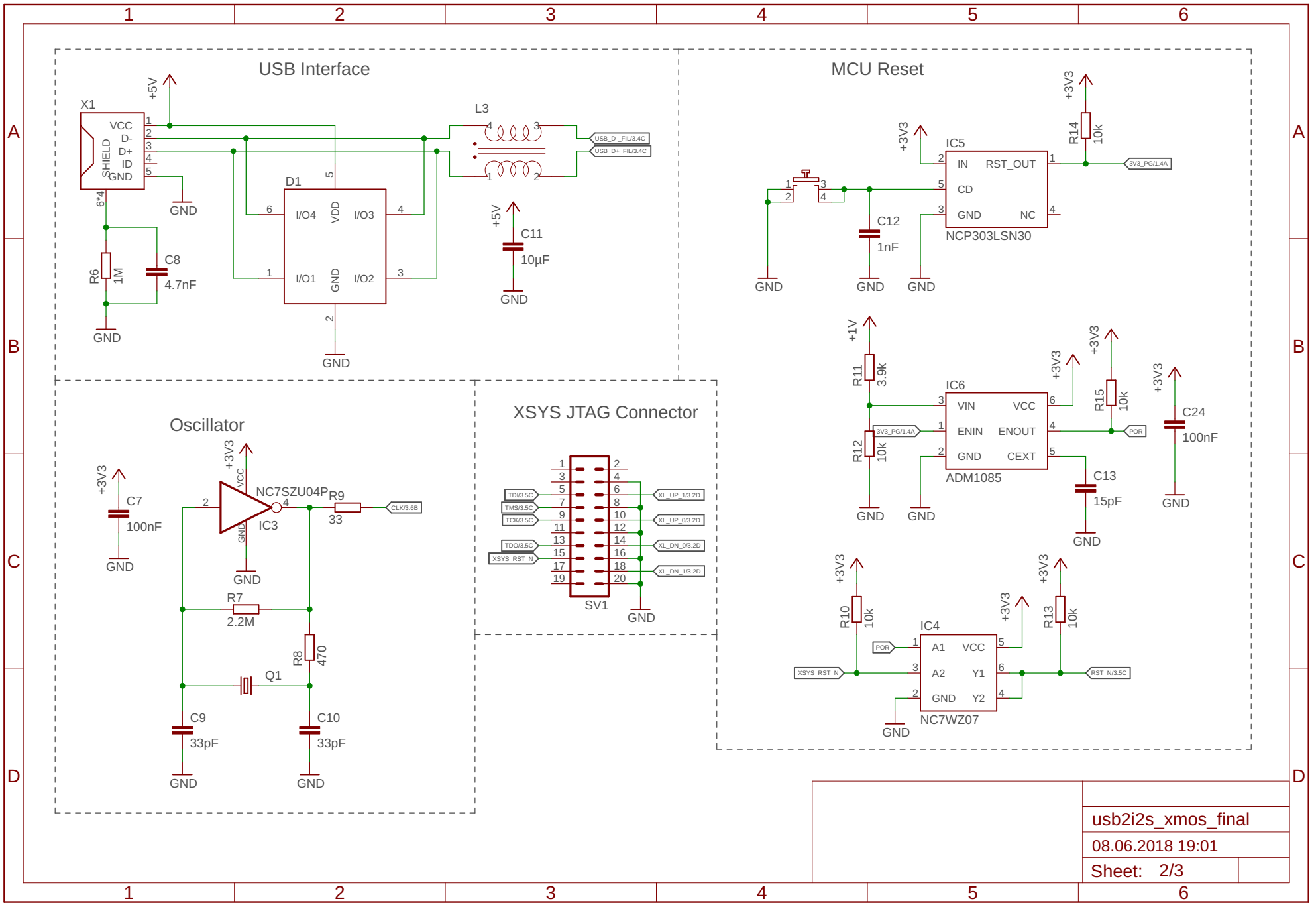
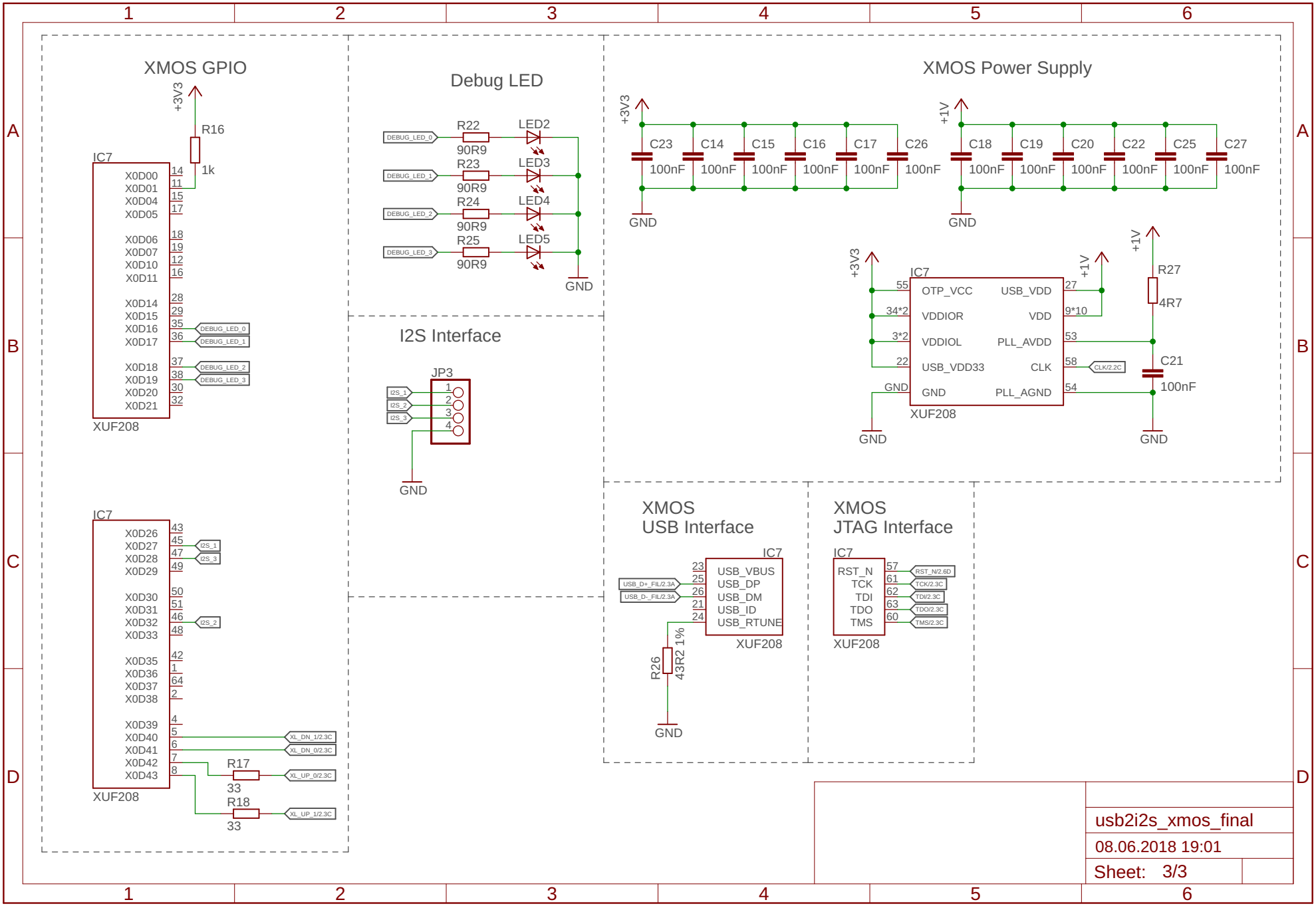

5V -> 3V3
Buck Converter
+5V
IC1
VIN
SW
RUN
GND
VFB
LTC3406AB
L1
3.3µ
+3V3
JP1
C1
10µF
R2
536k
C2
22pF
C3
10µF
R3
90R9
LED1
R1
120k
5V -> 1V
Buck Converter
IC2
L2
2.2µ
+1V
JP2
C4
10µF
3V3_PG/2.5B
R5
180k
C5
22pF
C6
10µF
R4
270k
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USB Interface
X1
VCC
D-
D+
ID
GND
SHIELD
+5V
GND
L3
USB_D-_FIL/3.4C
USB_D+_FIL/3.4C
D1
I/O4
VDD
I/O3
I/O1
GND
I/O2
R6
1M
C8
4.7nF
C11
10µF
MCU Reset
IC5
IN
RST_OUT
CD
GND
NC
NCP303LSN30
R14
10k
3V3_PG/1.4A
C12
1nF
+3V3
IC6
VIN
VCC
ENIN
ENOUT
GND
CEXT
ADM1085
R11
3.9k
R12
10k
R15
10k
C24
100nF
C13
15pF
POR
+1V
IC4
A1
A2
GND
VCC
Y1
Y2
NC7WZ07
R10
10k
R13
10k
XSYS_RST_N
RST_N/3.5C
Oscillator
C7
100nF
NC7SZU04P
IC3
R9
33
CLK/3.6B
R7
2.2M
R8
470
Q1
C9
33pF
C10
33pF
XSYS JTAG Connector
SV1
TDI/3.5C
TMS/3.5C
TCK/3.5C
TDO/3.5C
XSYS_RST_N
XL_UP_1/3.2D
XL_UP_0/3.2D
XL_DN_0/3.2D
XL_DN_1/3.2D
1
2
3
4
5
6
A
B
C
D
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XMOS GPIO
+3V3
R16
1k
IC7
X0D00 14
X0D01 11
X0D04 15
X0D05 17
X0D06 18
X0D07 19
X0D10 12
X0D11 16
X0D14 28
X0D15 29
X0D16 35
X0D17 36
X0D18 37
X0D19 38
X0D20 30
X0D21 32
DEBUG_LED_0
DEBUG_LED_1
DEBUG_LED_2
DEBUG_LED_3
XUF208
Debug LED
R22 90R9
R23 90R9
R24 90R9
R25 90R9
LED2
LED3
LED4
LED5
GND
I2S Interface
JP3
I2S_1
I2S_2
I2S_3
GND
XMOS Power Supply
+3V3
+1V
C23 C14 C15 C16 C17 C26
C18 C19 C20 C22 C25 C27
100nF
GND
IC7
OTP_VCC 55
VDDIOR 34*2
VDDIOL 3*2
USB_VDD33 22
GND
USB_VDD 27
VDD 9*10
PLL_AVDD 53
CLK 58
PLL_AGND 54
CLK/2.2C
XUF208
R27
4R7
C21
100nF
XMOS
USB Interface
IC7
USB_VBUS 23
USB_DP 25
USB_DM 26
USB_ID 21
USB_RTUNE 24
USB_D+_FIL/2.3A
USB_D-_FIL/2.3A
XUF208
R26
43R2 1%
XMOS
JTAG Interface
IC7
RST_N 57
TCK 61
TDI 62
TDO 63
TMS 60
RST_N/2.6D
TCK/2.3C
TDI/2.3C
TDO/2.3C
TMS/2.3C
XUF208
X0D26 43
X0D27 45
X0D28 47
X0D29 49
X0D30 50
X0D31 51
X0D32 46
X0D33 48
X0D35 42
X0D36 1
X0D37 64
X0D38 2
X0D39 4
X0D40 5
X0D41 6
X0D42 7
X0D43 8
XL_DN_1/2.3C
XL_DN_0/2.3C
XL_UP_0/2.3C
XL_UP_1/2.3C
R17 33
R18 33
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