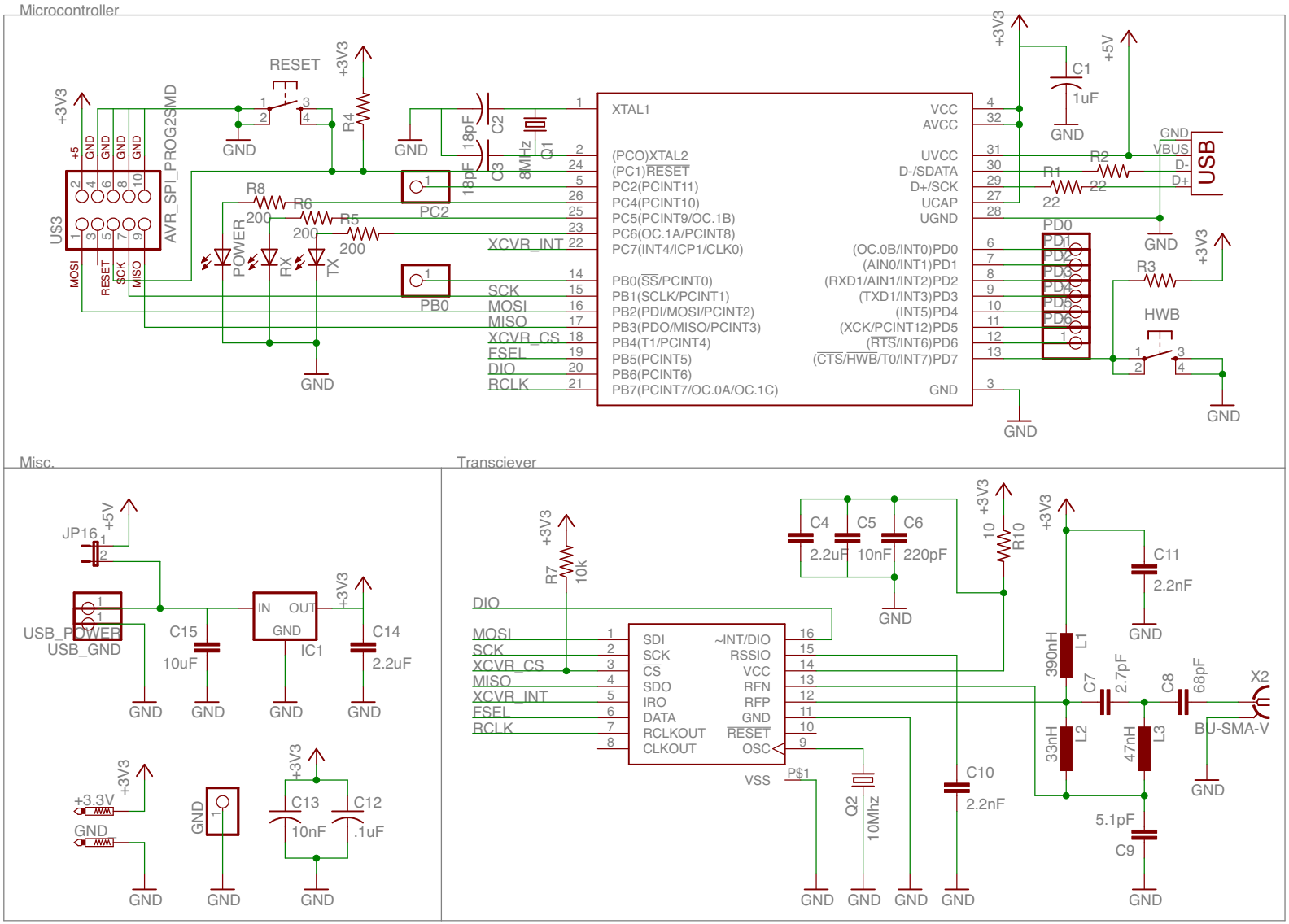
Microcontroller
Misc.
Transciever
RESET
+3V3
+5V
GND
AVR_SPI_PROG2SMD
U$3
MOSI
RESET
SCK
MISO
R8
R6
R5
200
POWER
RX
TX
R4
C2
C3
18pF
8MHz
Q1
PC2
PB0
XCVR_INT
SCK
MOSI
MISO
XCVR_CS
FSEL
DIO
RCLK
XTAL1
(PCO)XTAL2
(PC1)RESET
PC2(PCINT11)
PC4(PCINT10)
PC5(PCINT9/OC.1B)
PC6(OC.1A/PCINT8)
PC7(INT4/ICP1/CLK0)
PB0(SS/PCINT0)
PB1(SCLK/PCINT1)
PB2(PDI/MOSI/PCINT2)
PB3(PDO/MISO/PCINT3)
PB4(T1/PCINT4)
PB5(PCINT5)
PB6(PCINT6)
PB7(PCINT7/OC.0A/OC.1C)
VCC
AVCC
UVCC
D-/SDATA
D+/SCK
UCAP
UGND
(OC.0B/INT0)PD0
(AIN0/INT1)PD1
(RXD1/AIN1/INT2)PD2
(TXD1/INT3)PD3
(INT5)PD4
(XCK/PCINT12)PD5
(RTS/INT6)PD6
(CTS/HWB/T0/INT7)PD7
C1
1uF
R1
R2
22
USB
VBUS
D-
D+
R3
HWB
JP16
USB_POWER
USB_GND
C15
10uF
IC1
IN
OUT
C14
2.2uF
+3.3V
C13
10nF
C12
.1uF
R7
10k
C4
2.2uF
C5
10nF
C6
220pF
R10
10
SDI
SCK
CS
SDO
IRO
DATA
RCLKOUT
CLKOUT
~INT/DIO
RSSIO
VCC
RFN
RFP
GND
RESET
OSC
VSS
P$1
Q2
10Mhz
C10
2.2nF
C11
2.2nF
L1
390nH
C7
2.7pF
C8
68pF
X2
BU-SMA-V
L2
33nH
L3
47nH
5.1pF
C9