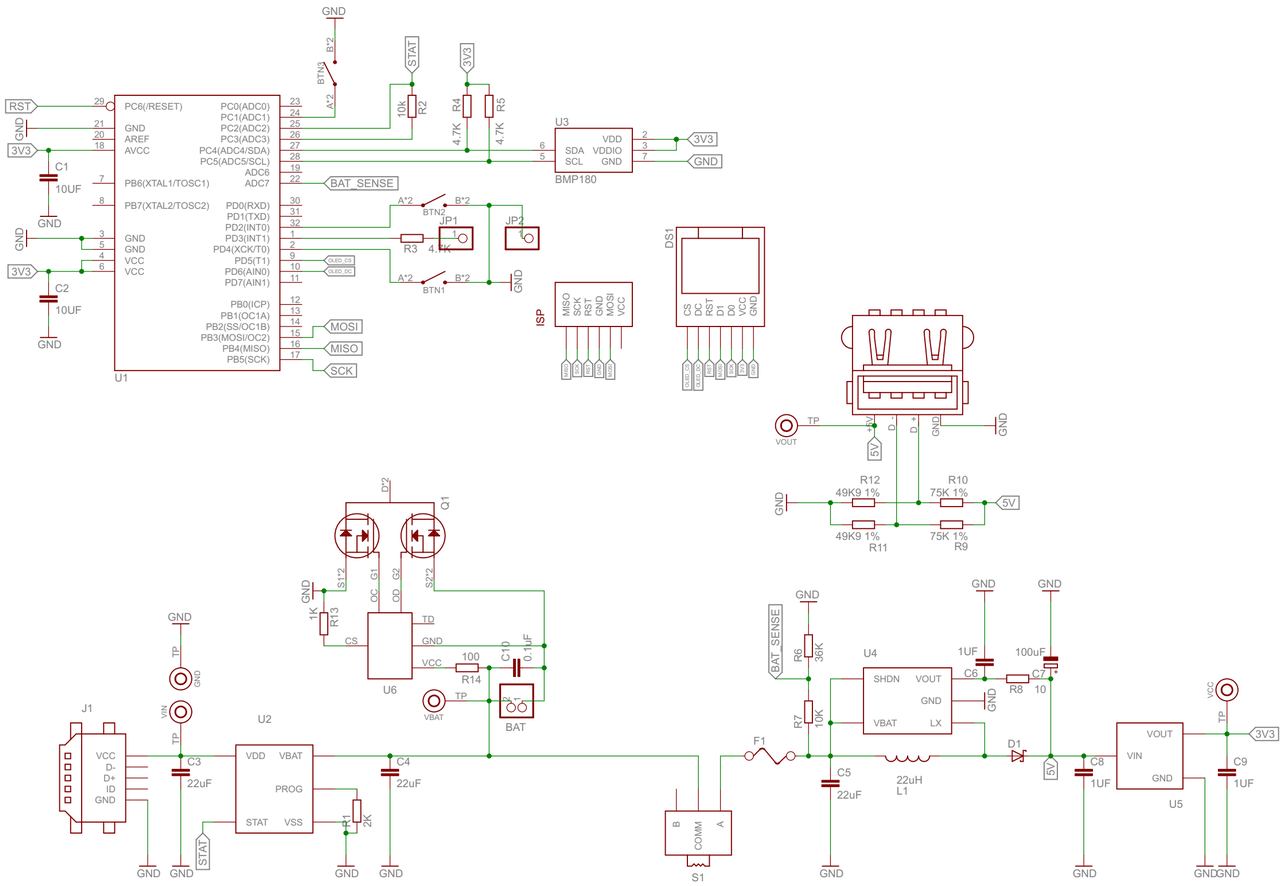
U1
PC6(/RESET)
GND
AREF
AVCC
PB6(XTAL1/TOSC1)
PB7(XTAL2/TOSC2)
GND
GND
VCC
VCC
PC0(ADC0)
PC1(ADC1)
PC2(ADC2)
PC3(ADC3)
PC4(ADC4/SDA)
PC5(ADC5/SCL)
ADC6
ADC7
PD0(RXD)
PD1(TXD)
PD2(INT0)
PD3(INT1)
PD4(XCK/T0)
PD5(T1)
PD6(AIN0)
PD7(AIN1)
PB0(ICP)
PB1(OC1A)
PB2(SS/OC1B)
PB3(MOSI/OC2)
PB4(MISO)
PB5(SCK)
RST
3V3
C1
10UF
C2
10UF
BAT_SENSE
MOSI
MISO
SCK
STAT
3V3
R2
10k
R4
4.7K
R5
4.7K
BTN3
BTN2
BTN1
JP1
JP2
R3
4.7K
U3
BMP180
SDA
SCL
VDD
VDDIO
GND
ISP
MISO
SCK
RST
GND
MOSI
VCC
DS1
CS
DC
RST
D1
D0
VCC
GND
TP
VOUT
5V
D-
D+
GND
R12
49K9 1%
R11
49K9 1%
R10
75K 1%
R9
75K 1%
Q1
D2
U6
TD
GND
VCC
CS
R13
1k
R14
100
C10
0.1uF
VBAT
BAT
J1
VCC
D-
D+
ID
GND
C3
22uF
U2
VDD
VBAT
PROG
STAT
VSS
R1
2k
C4
22uF
S1
B
COMM
A
F1
R6
36K
R7
10K
U4
SHDN
VOUT
GND
VBAT
LX
C6
1UF
R8
10
C7
100uF
C5
22uF
L1
22uH
D1
C8
1UF
U5
VOUT
VIN
GND
C9
1UF
VCC