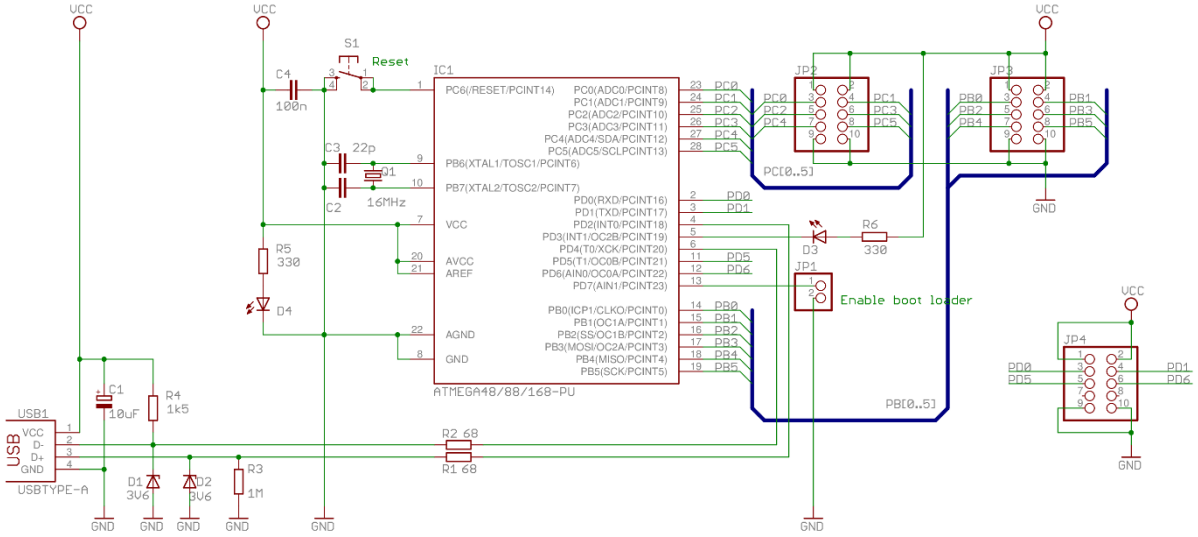
Vcc
1k
Vout
PB3
GND
Vcc
1k
Vout
PB4
GND


VCC
S1
Reset
C4
100n
C3
22p
C2
16MHz
Q1
R5
330
D4
IC1
PC6(/RESET/PCINT14)
PB6(XTAL1/TOSC1/PCINT6)
PB7(XTAL2/TOSC2/PCINT7)
VCC
AVCC
AREF
AGND
GND
ATMEGA48/88/168-PU
PC0(ADC0/PCINT8)
PC1(ADC1/PCINT9)
PC2(ADC2/PCINT10)
PC3(ADC3/PCINT11)
PC4(ADC4/SDA/PCINT12)
PC5(ADC5/SCLPCINT13)
PD0(RXD/PCINT16)
PD1(TXD/PCINT17)
PD2(INT0/PCINT18)
PD3(INT1/OC2B/PCINT19)
PD4(T0/XCK/PCINT20)
PD5(T1/OC0B/PCINT21)
PD6(AIN0/OC0A/PCINT22)
PD7(AIN1/PCINT23)
PB0(ICP1/CLKO/PCINT0)
PB1(OC1A/PCINT1)
PB2(SS/OC1B/PCINT2)
PB3(MOSI/OC2A/PCINT3)
PB4(MISO/PCINT4)
PB5(SCK/PCINT5)
JP2
JP3
JP4
JP1
Enable boot loader
PC[0..5]
PB[0..5]
R6
330
D3
USB1
USB
USBTYPE-A
C1
10uF
R4
1k5
D1
3V6
D2
3V6
R3
1M
R2 68
R1 68