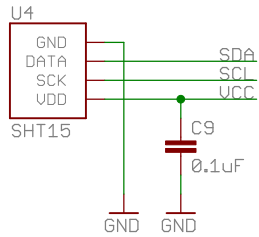
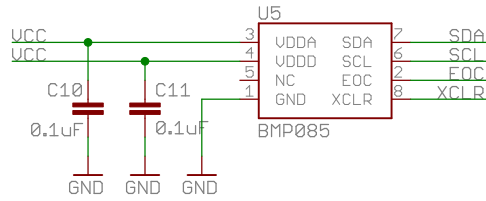


Humidity



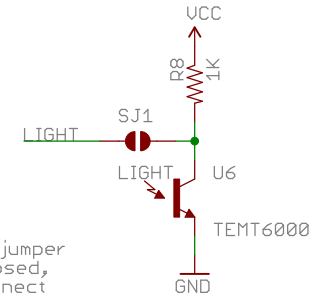
I2C address (3-bit): B000 (see datasheet)

Pressure*



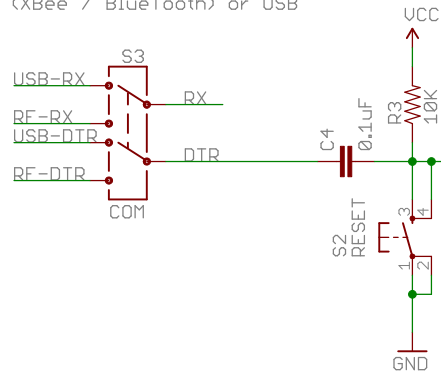
I2C address (7-bit): 0x77

Light

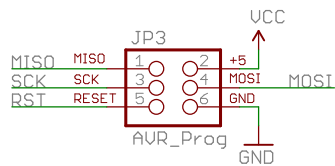


SJ1 solder jumper normally closed, open to connect external sensor

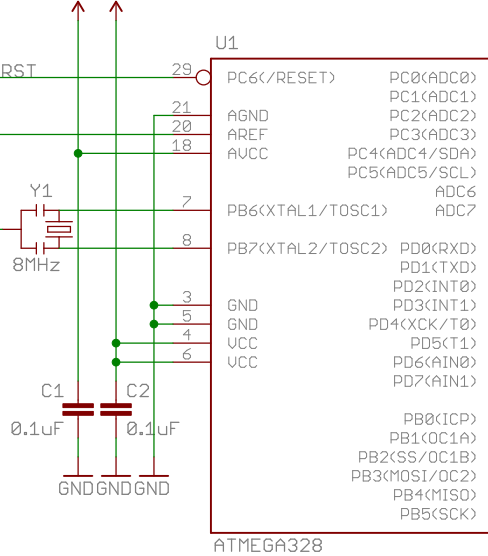
Communication select switch
RF (XBee / BlueTooth) or USB



ISP programming header

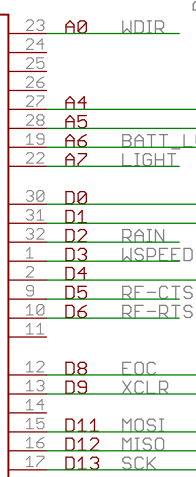


UCC UCC

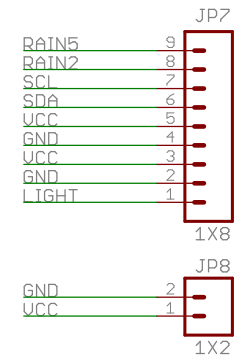


ATMEGA328

ARDUINO PORTS



Expansion connectors



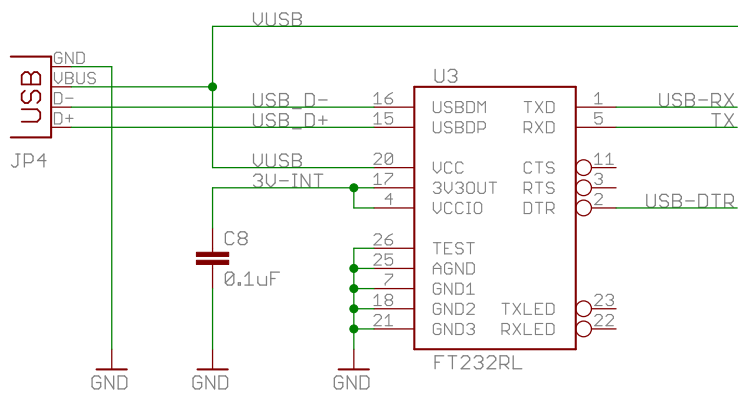
USB Wireless Weather Sensor

Released under the Creative Commons Attribution Share-Alike 3.0 License
<http://creativecommons.org/licenses/by-sa/3.0>
Design by: R. Owens, M. Grusin

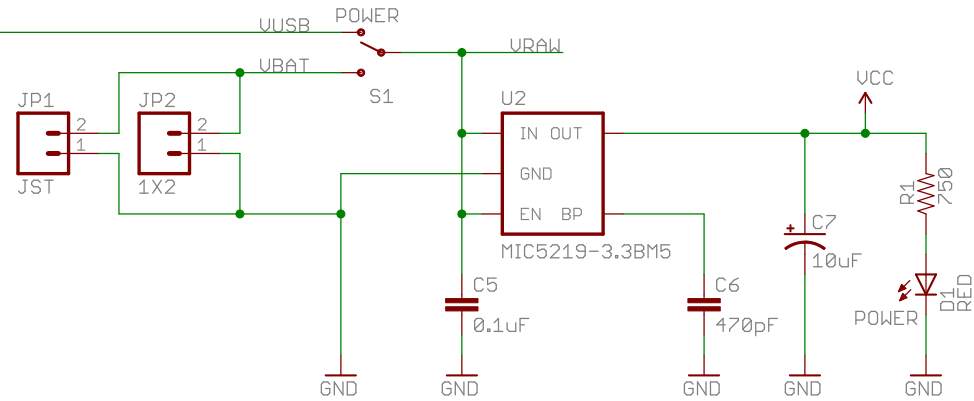
* U3 changes SCP1000 pressure sensor to BMP085,
adds inputs for SEN-08942 weather meters,
adds header for XBee radio module

| | | |
|----------------------------|------------|-----------|
| TITLE: USB-Weather-v31 | | SFE |
| Document Number: | | REV: 0 |
| Date: 6/23/2011 6:06:19 PM | Sheet: 1/2 | |

USB to Serial

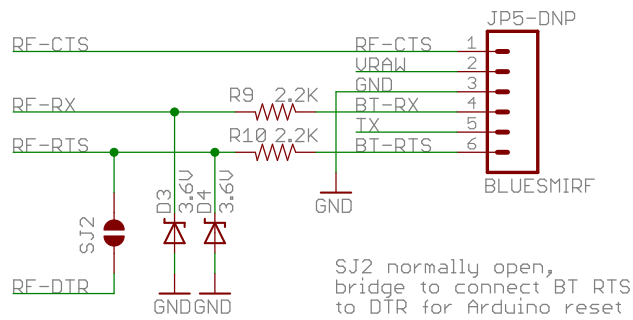


3.3V Power



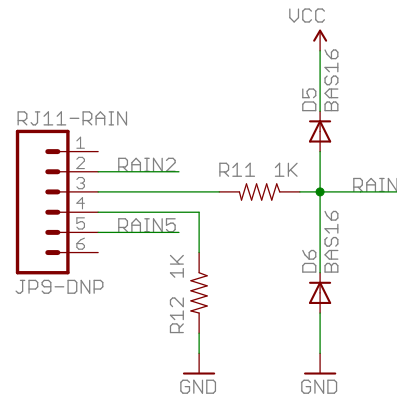
Power switch selects either USB or battery power

BlueSMiRF Wireless*

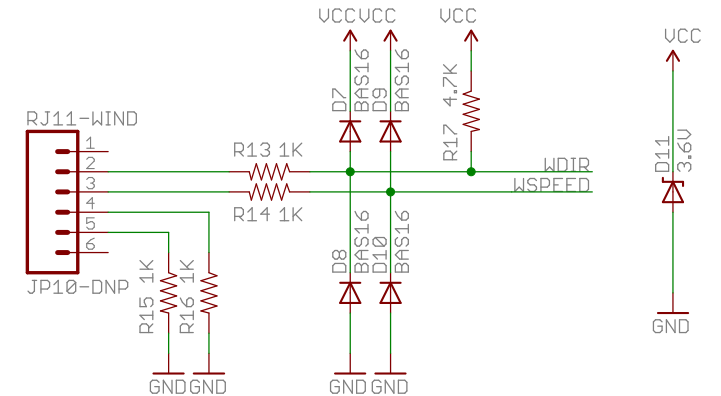


SJ2 normally open, bridge to connect BT RTS to DTR for Arduino reset

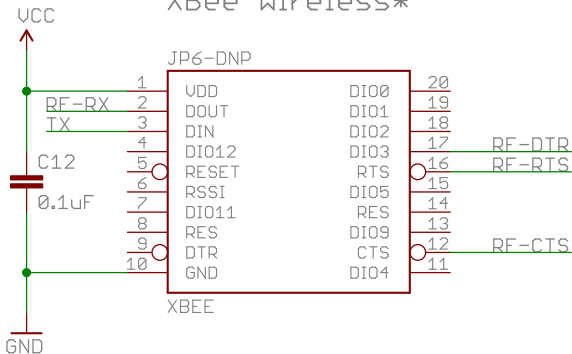
Rain (optional)



Wind (optional)



XBee Wireless*



* Note: populate either BlueSMiRF or XBee, not both

USB Wireless Weather Sensor

TITLE: USB-Weather-v31

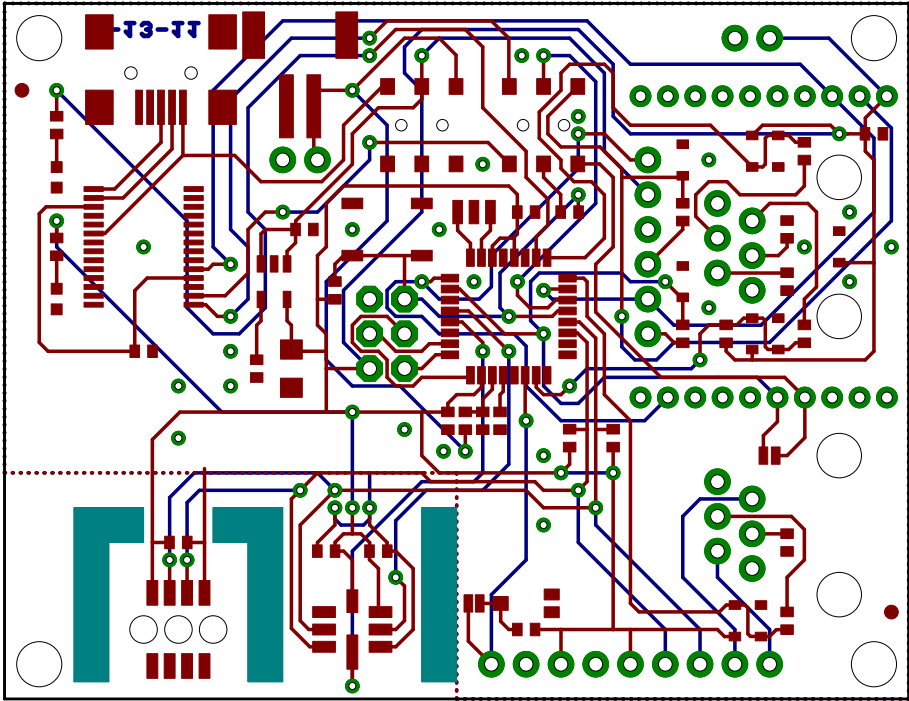
Document Number:

REV:

Date: 6/23/2011 6:06:19 PM

Sheet: 2/2

2.60"
2.50"
0.85"
0.45"
0.10"
0.00"



0.00"
0.10"
0.70"
1.50"
1.90"
2.00"

