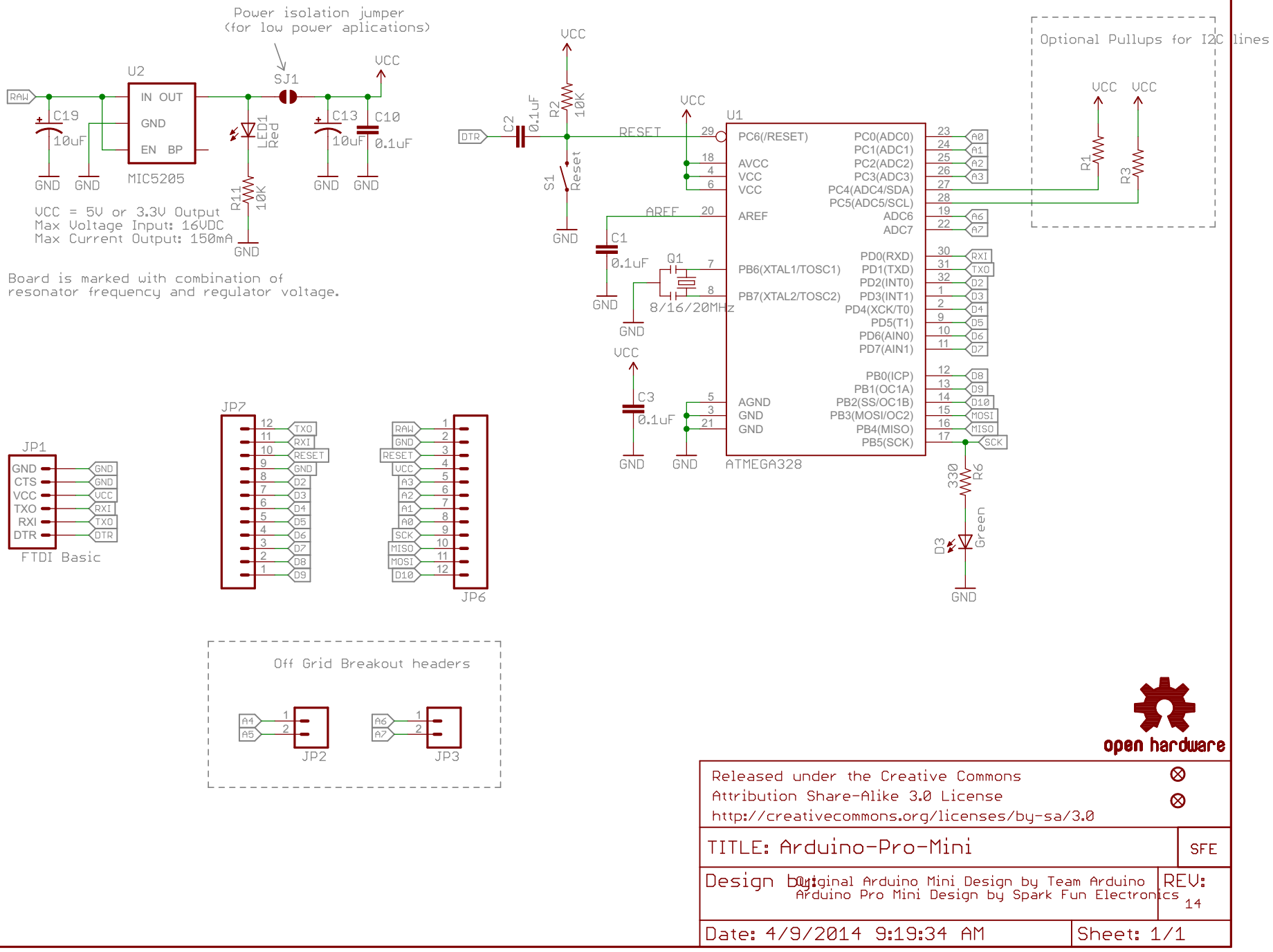
Power isolation jumper
(for low power aplications)
SJ1
VCC
U2
RAW
C19
10uF
IN OUT
GND
EN BP
MIC5205
GND GND
LED1
Red
R11
10K
C13
10uF
C10
0.1uF
GND GND
GND
VCC = 5V or 3.3V Output
Max Voltage Input: 16VDC
Max Current Output: 150mA
Board is marked with combination of
resonator frequency and regulator voltage.
VCC
C2
0.1uF
R2
10K
DTR
RESET
S1
Reset
GND
VCC
U1
29
PC6(/RESET)
18
AVCC
4
VCC
6
VCC
AREF
20
AREF
C1
0.1uF
GND
Q1
7
PB6(XTAL1/TOSC1)
8
PB7(XTAL2/TOSC2)
8/16/20MHz
GND
VCC
C3
0.1uF
GND
5
AGND
3
GND
21
GND
GND
ATMEGA328
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)
23 A0
24 A1
25 A2
26 A3
27
28
19 A6
22 A7
30 RXI
31 TXO
32 D2
1 D3
2 D4
9 D5
10 D6
11 D7
12 D8
13 D9
14 D10
15 MOSI
16 MISO
17 SCK
330
R6
D3
Green
GND
Optional Pullups for I2C lines
VCC VCC
R1
R3
JP1
GND
CTS
VCC
TXO
RXI
DTR
FTDI Basic
JP7
12 TXO
11 RXI
10 RESET
9 GND
8 D2
7 D3
6 D4
5 D5
4 D6
3 D7
2 D8
1 D9
JP6
RAW 1
GND 2
RESET 3
VCC 4
A3 5
A2 6
A1 7
A0 8
SCK 9
MISO 10
MOSI 11
D10 12
Off Grid Breakout headers
A4 1
A5 2
JP2
A6 1
A7 2
JP3
open hardware
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TITLE: Arduino-Pro-Mini
SFE
Design by: Original Arduino Mini Design by Team Arduino
Arduino Pro Mini Design by Spark Fun Electronics
REV: 14
Date: 4/9/2014 9:19:34 AM
Sheet: 1/1