ASP1
4 SCK
3 MOSI
2 MISO
1 RESET

JP1
3 SDA
2 SDL
1
GND

ACT
R2 1k8
LED1 green
GND

VCC
R1 10k
RESET
ATMEGA328P
29 PC6(/RESET) PC0(ADC0) 23 ADC0
PC1(ADC1) 24
18 AVCC PC2(ADC2) 25
4 VCC PC3(ADC3) 26
6 VCC PC4(ADC4/SDA) 27 SDA
PC5(ADC5/SCL) 28 SDL
C2 0.1uF
C3 0.1uF
20 AREF ADC6 19
ADC7 22
GND GND
PD0(RXD) 30
PB6(XTAL1/TOSC1) PD1(TXD) 31
7 PD2(INT0) 32 WIRED
8 PB7(XTAL2/TOSC2) PD3(INT1) 1 RFM_IRQ
U3 PD4(XCK/T0) 2 RFM_RST
PD5(T1) 9
RESONATOR_16MHZ PD6(AIN0) 10
GND PD7(AIN1) 11
PB0(ICP) 12
PB1(OC1A) 13 ACT
21 AGND PB2(SS/OC1B) 14 SEL
3 GND PB3(MOSI/OC2) 15 MOSI
5 GND PB4(MISO) 16 MISO
PB5(SCK) 17 SCK
GND U1

VCC
JP2
3
2 WIRED
1
GND
4k7 R3

VCC
JP3
3
2 ADC0
1
GND
4k7 R4

VCC
VCC
U$1_SUPPLY
GND_1 GND_2 GND_3
GND
C1 0.1uF
GND

VCC
J2 VCC@1*3 VCC

J1 GND@1*3 GND

GND

U$1_ANT
ANT

M01PTH
ANT

ANT trace should
be 0.4mm wide and
have a ground plane
beneath it.

U$1_CHIP
MISO MISO DIO0 RFM_IRQ
MOSI MOSI DIO1
SCK SCK DIO2
DIO3
SEL NSS DIO4
RFM_RST RESET DIO5

An AA size RF Arduino clone
aaduino-v4
2016-06-09 19:51 Dariusz Mazur
Sheet: 1/1 Rev:1

2016-10-12 11:40 C:\EAGLE\projects\aaduino\aaduino-v4.sch (Sheet: 1/1)