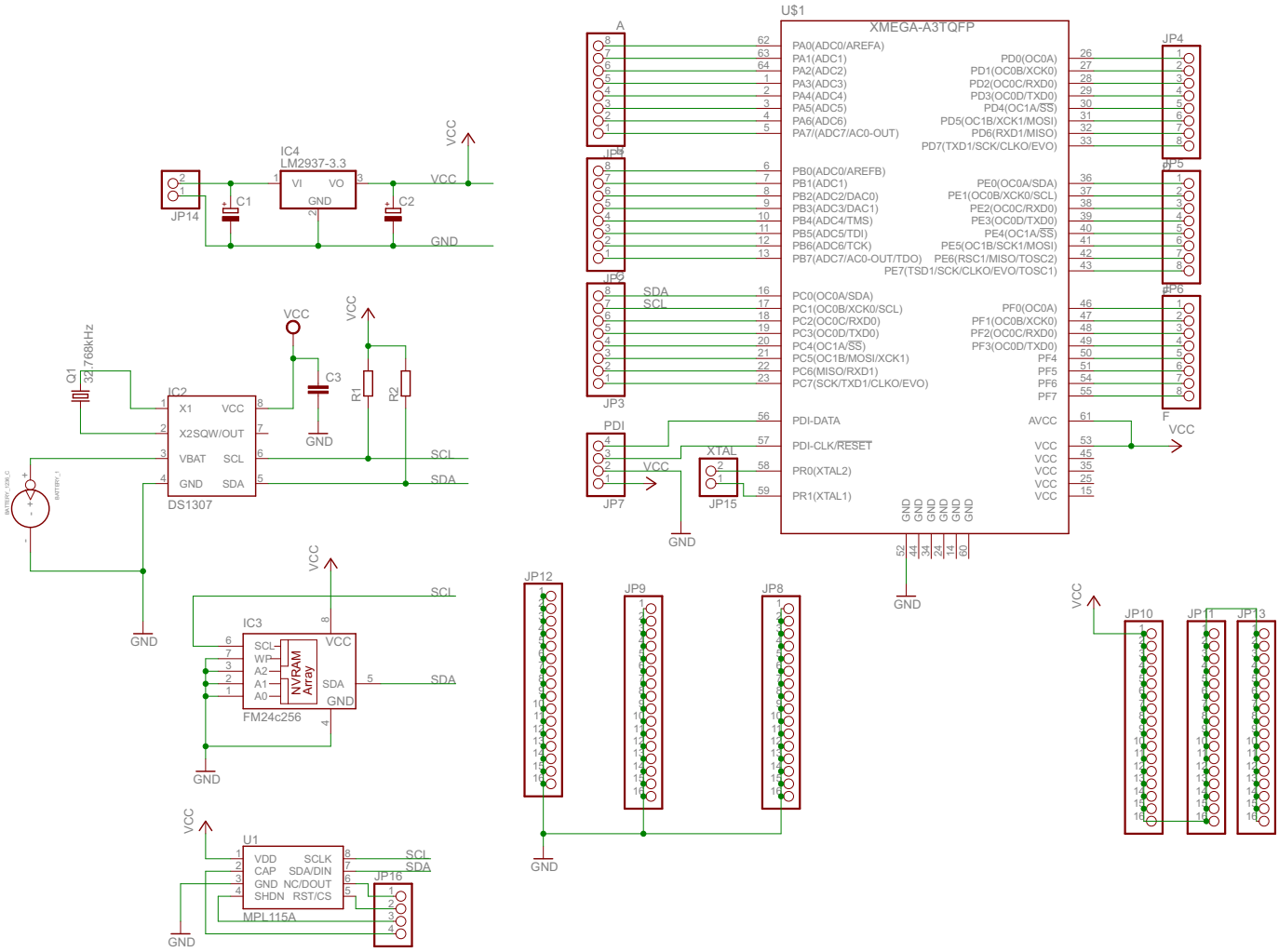

U$1
XMEGA-A3TQFP
PA0(ADC0/AREFA)
PA1(ADC1)
PA2(ADC2)
PA3(ADC3)
PA4(ADC4)
PA5(ADC5)
PA6(ADC6)
PA7(ADC7/AC0-OUT)
PB0(ADC0/AREFB)
PB1(ADC1)
PB2(ADC2/DAC0)
PB3(ADC3/DAC1)
PB4(ADC4/TMS)
PB5(ADC5/TDI)
PB6(ADC6/TCK)
PB7(ADC7/AC0-OUT/TDO)
PC0(OC0A/SDA)
PC1(OC0B/XCK0/SCL)
PC2(OC0C/RXD0)
PC3(OC0D/TXD0)
PC4(OC1A/SS)
PC5(OC1B/MOSI/XCK1)
PC6(MISO/RXD1)
PC7(SCK/TXD1/CLKO/EVO)
PDI-DATA
PDI-CLK/RESET
PR0(XTAL2)
PR1(XTAL1)
PD0(OC0A)
PD1(OC0B/XCK0)
PD2(OC0C/RXD0)
PD3(OC0D/TXD0)
PD4(OC1A/SS)
PD5(OC1B/XCK1/MOSI)
PD6(RXD1/MISO)
PD7(TXD1/SCK/CLKO/EVO)
PE0(OC0A/SDA)
PE1(OC0B/XCK0/SCL)
PE2(OC0C/RXD0)
PE3(OC0D/TXD0)
PE4(OC1A/SS)
PE5(OC1B/SCK1/MOSI)
PE6(RSC1/MISO/TOSC2)
PE7(TSD1/SCK/CLKO/EVO/TOSC1)
PF0(OC0A)
PF1(OC0B/XCK0)
PF2(OC0C/RXD0)
PF3(OC0D/TXD0)
PF4
PF5
PF6
PF7
AVCC
VCC
GND
A
JP4
JP5
JP6
F
JP3
PDI
JP7
XTAL
JP15
IC4
LM2937-3.3
VI
VO
GND
C1
C2
JP14
Q1
32.768kHz
IC2
X1
X2SQW/OUT
VBAT
SCL
SDA
DS1307
C3
R1
R2
IC3
SCL
WP
A2
A1
A0
NVRAM Array
FM24c256
U1
VDD
CAP
GND
SHDN
SCLK
SDA/DIN
NC/DOUT
RST/CS
MPL115A
JP16
JP12
JP9
JP8
JP10
JP11
JP13