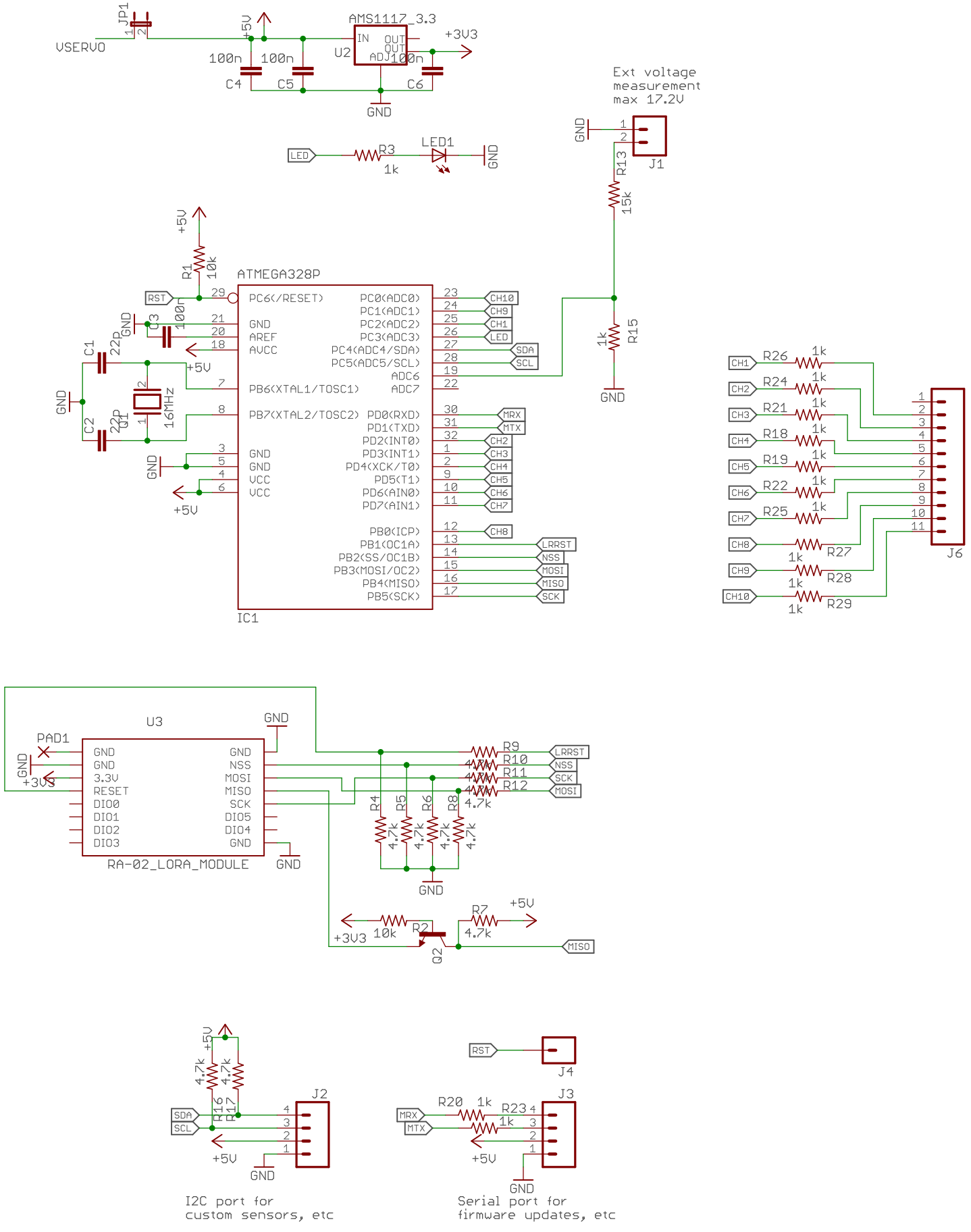
JP1
VSERVO
+5V
100n
C4
C5
AMS1117_3.3
IN
OUT
OUT
ADJ
U2
+3V3
C6
GND
LED
R3
1k
LED1
Ext voltage measurement max 17.2V
J1
R13
15k
R15
1k
ATMEGA328P
R1
10k
RST
C3
100n
C1
22P
C2
22P
Q1
16MHz
PC6(/RESET)
GND
AREF
AVCC
PB6(XTAL1/TOSC1)
PB7(XTAL2/TOSC2)
GND
GND
VCC
VCC
PC0(ADC0)
PC1(ADC1)
PC2(ADC2)
PC3(ADC3)
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)
CH10
CH9
CH1
LED
SDA
SCL
MRX
MTX
CH2
CH3
CH4
CH5
CH6
CH7
CH8
LRRST
NSS
MOSI
MISO
SCK
IC1
R26
R24
R21
R18
R19
R22
R25
R27
R28
R29
J6
U3
PAD1
GND
3.3V
RESET
DIO0
DIO1
DIO2
DIO3
NSS
MOSI
MISO
SCK
DIO5
DIO4
RA-02_LORA_MODULE
R9
R10
R11
R12
R4
R5
R6
R8
4.7k
R7
R2
10k
Q2
+3V3
MISO
R16
R17
J2
I2C port for custom sensors, etc
J4
R20
R23
J3
Serial port for firmware updates, etc