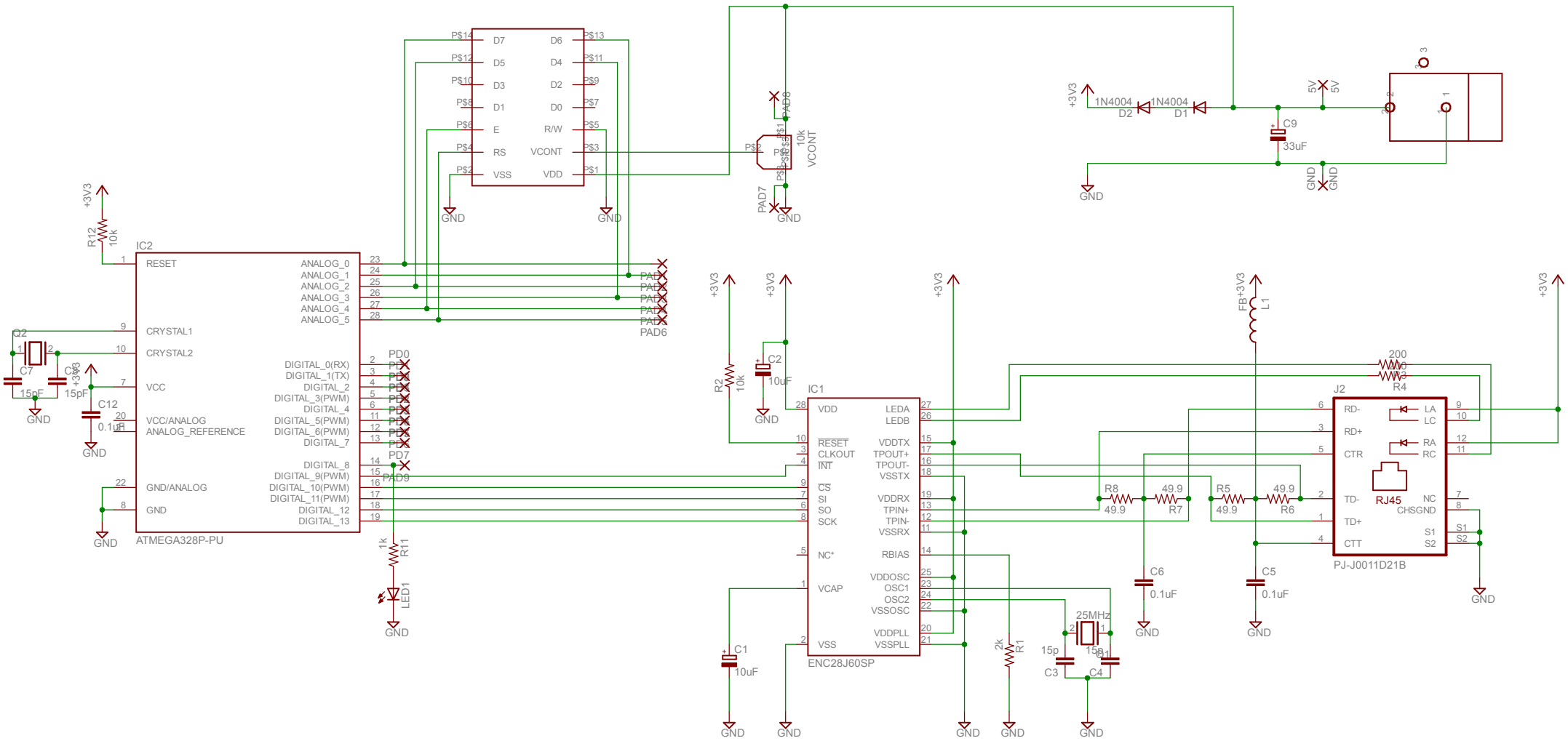

IC2
ATMEGA328P-PU
RESET
CRYSTAL1
CRYSTAL2
VCC
VCC/ANALOG
ANALOG_REFERENCE
GND/ANALOG
GND
ANALOG_0
ANALOG_1
ANALOG_2
ANALOG_3
ANALOG_4
ANALOG_5
DIGITAL_0(RX)
DIGITAL_1(TX)
DIGITAL_2
DIGITAL_3(PWM)
DIGITAL_4
DIGITAL_5(PWM)
DIGITAL_6(PWM)
DIGITAL_7
DIGITAL_8
DIGITAL_9(PWM)
DIGITAL_10(PWM)
DIGITAL_11(PWM)
DIGITAL_12
DIGITAL_13
PD0
PD7
PAD9
PAD6
PAD7
PAD8
R12
10k
Q2
C7
15pF
C12
0.1uF
R11
1k
LED1
D7
D5
D3
D1
E
RS
VSS
D6
D4
D2
D0
R/W
VCONT
VDD
VCONT
10k
GND
+3V3
IC1
ENC28J60SP
VDD
RESET
CLKOUT
INT
CS
SI
SO
SCK
NC*
VCAP
VSS
LEDA
LEDB
VDDTX
TPOUT+
TPOUT-
VSSTX
VDDRX
TPIN+
TPIN-
VSSRX
RBIAS
VDDOSC
OSC1
OSC2
VSSOSC
VDDPLL
VSSPLL
R2
10k
C2
10uF
C1
10uF
R1
2k
25MHz
15p
C3
C4
C6
0.1uF
C5
0.1uF
R8
49.9
R7
R5
R6
FB
L1
J2
PJ-J0011D21B
RD-
RD+
CTR
TD-
TD+
CTT
LA
LC
RA
RC
NC
CHSGND
S1
S2
RJ45
200
R4
1N4004
D2
D1
C9
33uF
5V