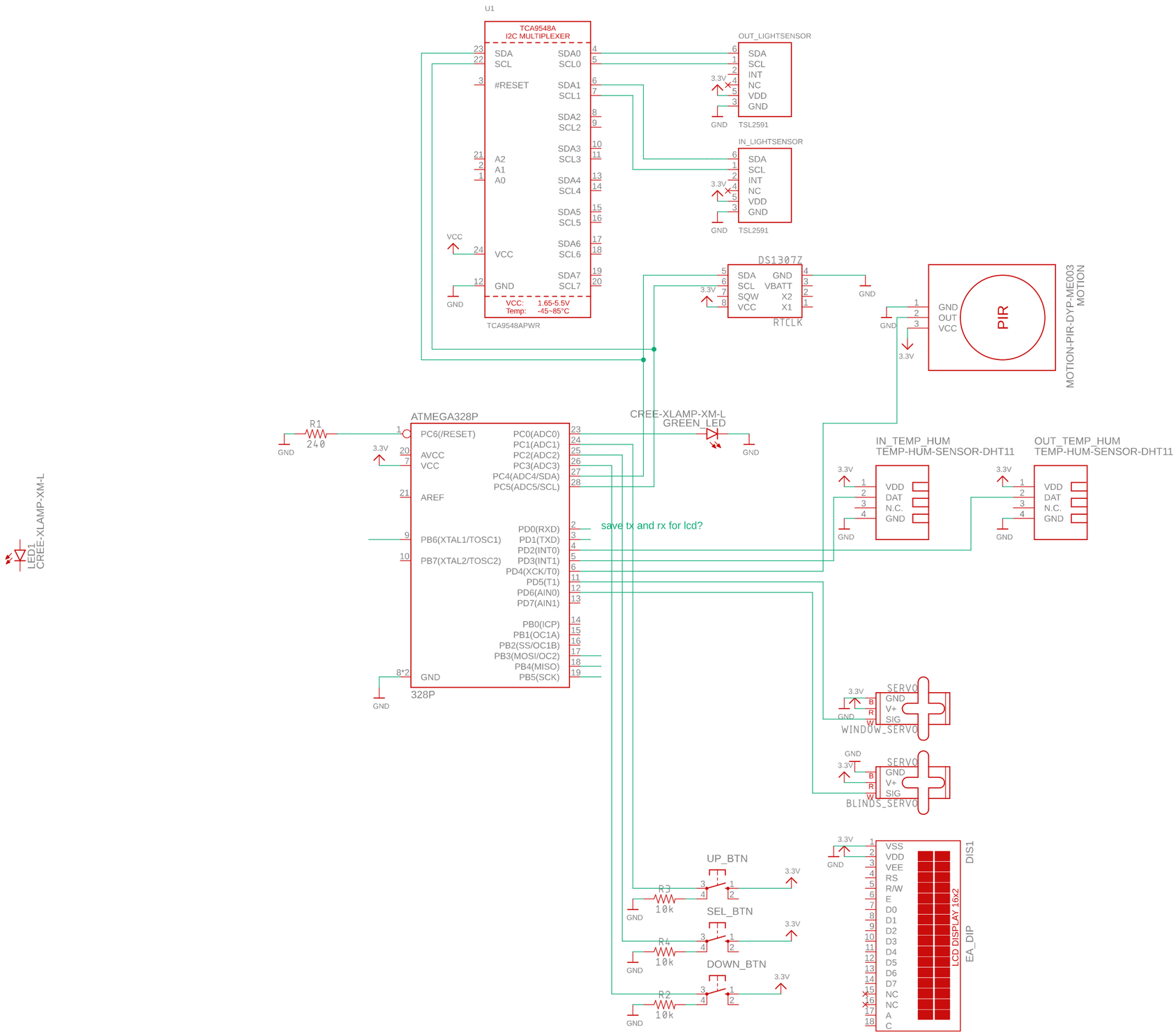
U1
TCA9548A
I2C MULTIPLEXER
SDA
SCL
#RESET
A2
A1
A0
VCC
GND
SDA0
SCL0
SDA1
SCL1
SDA2
SCL2
SDA3
SCL3
SDA4
SCL4
SDA5
SCL5
SDA6
SCL6
SDA7
SCL7
VCC: 1.65-5.5V
Temp: -45~85°C
TCA9548APWR
OUT_LIGHTSENSOR
SDA
SCL
INT
NC
VDD
GND
TSL2591
IN_LIGHTSENSOR
DS1307Z
SDA
SCL
SQW
VCC
GND
VBATT
X2
X1
RTCLK
PIR
GND
OUT
VCC
MOTION-PIR-DYP-ME003
MOTION
R1
240
ATMEGA328P
PC6(/RESET)
AVCC
VCC
AREF
PB6(XTAL1/TOSC1)
PB7(XTAL2/TOSC2)
GND
PC0(ADC0)
PC1(ADC1)
PC2(ADC2)
PC3(ADC3)
PC4(ADC4/SDA)
PC5(ADC5/SCL)
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)
328P
CREE-XLAMP-XM-L
GREEN_LED
save tx and rx for lcd?
IN_TEMP_HUM
TEMP-HUM-SENSOR-DHT11
OUT_TEMP_HUM
TEMP-HUM-SENSOR-DHT11
VDD
DAT
N.C.
GND
SERVO
GND
V+
SIG
WINDOW_SERVO
BLINDS_SERVO
UP_BTN
SEL_BTN
DOWN_BTN
R3
10k
R4
10k
R2
10k
3.3V
GND
VSS
VDD
VEE
RS
R/W
E
D0
D1
D2
D3
D4
D5
D6
D7
NC
NC
A
C
DIS1
LCD DISPLAY 16x2
EA_DIP
LED1
CREE-XLAMP-XM-L