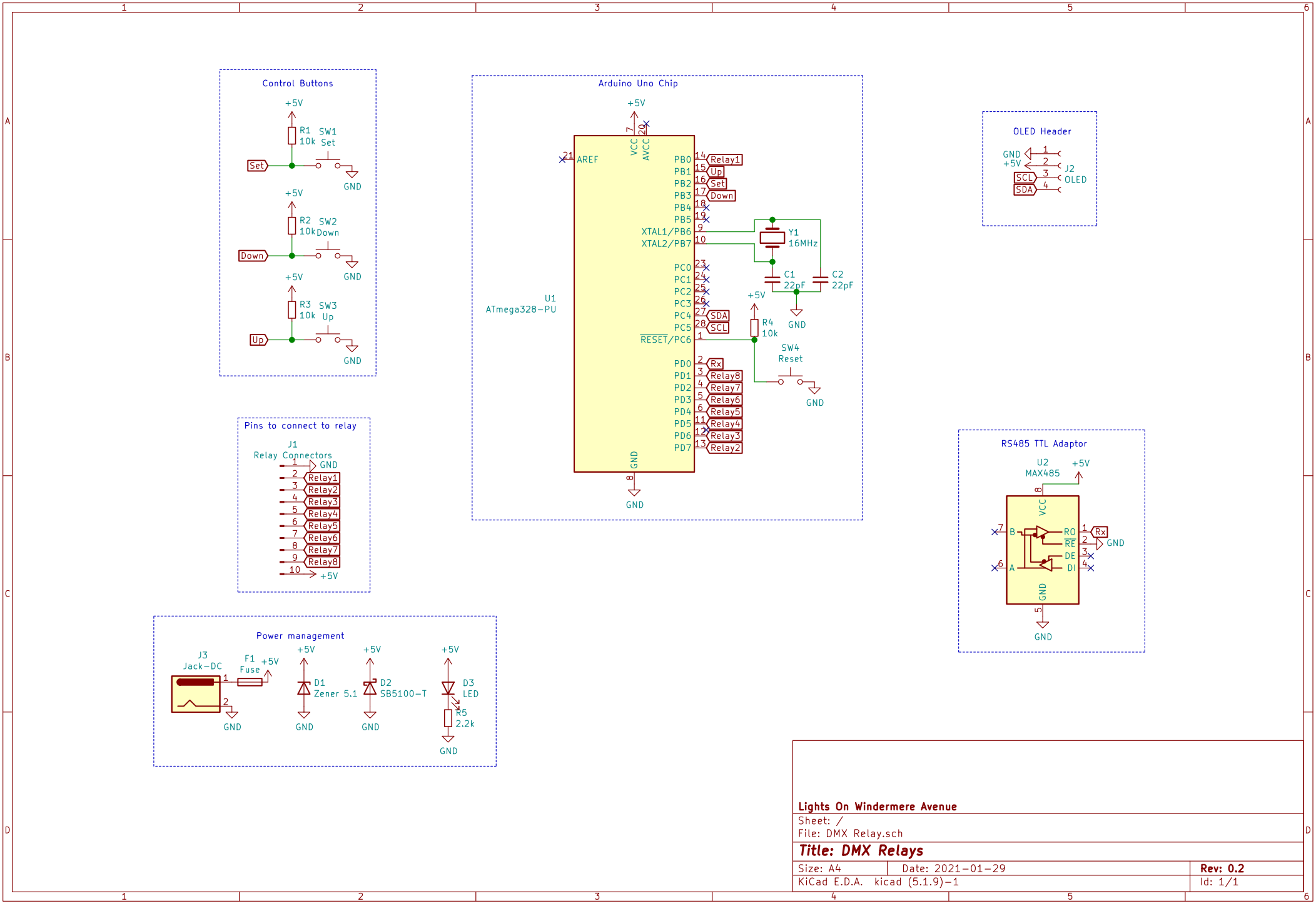
Control Buttons
+5V
R1 10k
SW1 Set
Set
GND
R2 10k
SW2 Down
Down
R3 10k
SW3 Up
Up
Arduino Uno Chip
U1
ATmega328-PU
AREF
VCC
AVCC
PB0 Relay1
PB1 Up
PB2 Set
PB3 Down
PB4
PB5
XTAL1/PB6
XTAL2/PB7
Y1 16MHz
C1 22pF
C2 22pF
PC0
PC1
PC2
PC3
PC4 SDA
PC5 SCL
RESET/PC6
R4 10k
SW4 Reset
PD0 Rx
PD1 Relay8
PD2 Relay7
PD3 Relay6
PD4 Relay5
PD5 Relay4
PD6 Relay3
PD7 Relay2
OLED Header
GND
+5V
SCL
SDA
J2 OLED
Pins to connect to relay
J1
Relay Connectors
GND
Relay1
Relay2
Relay3
Relay4
Relay5
Relay6
Relay7
Relay8
+5V
RS485 TTL Adaptor
U2
MAX485
VCC
B
A
RO
RE
DE
DI
GND
Rx
Power management
J3
Jack-DC
F1
Fuse
D1
Zener 5.1
D2
SB5100-T
D3
LED
R5
2.2k
Lights On Windermere Avenue
Sheet: /
File: DMX Relay.sch
Title: DMX Relays
Size: A4
Date: 2021-01-29
Rev: 0.2
KiCad E.D.A. kicad (5.1.9)-1
Id: 1/1