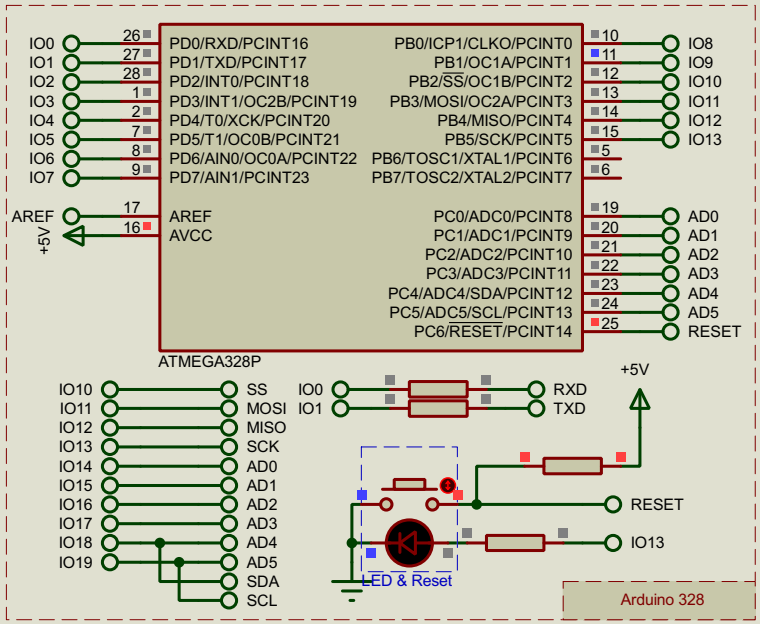
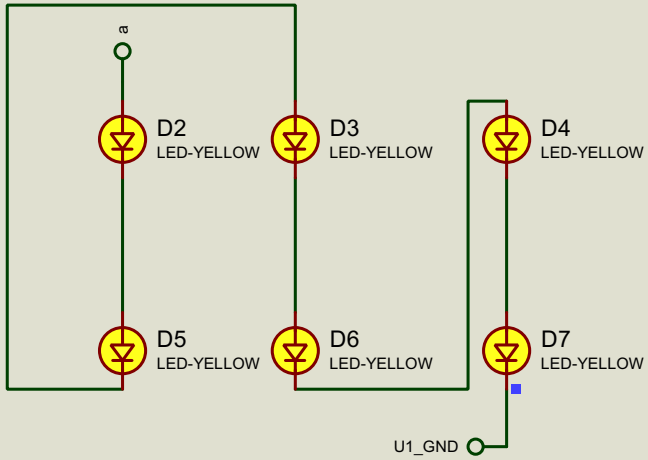
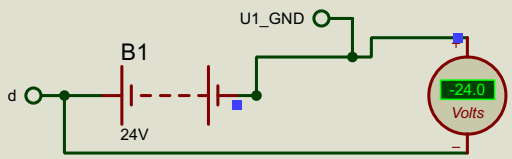
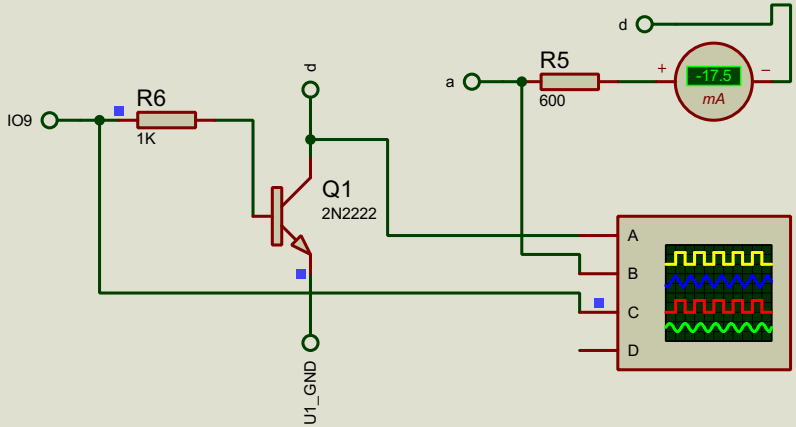

IO0
IO1
IO2
IO3
IO4
IO5
IO6
IO7
AREF
+5V
PD0/RXD/PCINT16
PD1/TXD/PCINT17
PD2/INT0/PCINT18
PD3/INT1/OC2B/PCINT19
PD4/T0/XCK/PCINT20
PD5/T1/OC0B/PCINT21
PD6/AIN0/OC0A/PCINT22
PD7/AIN1/PCINT23
AREF
AVCC
PB0/ICP1/CLKO/PCINT0
PB1/OC1A/PCINT1
PB2/SS/OC1B/PCINT2
PB3/MOSI/OC2A/PCINT3
PB4/MISO/PCINT4
PB5/SCK/PCINT5
PB6/TOSC1/XTAL1/PCINT6
PB7/TOSC2/XTAL2/PCINT7
PC0/ADC0/PCINT8
PC1/ADC1/PCINT9
PC2/ADC2/PCINT10
PC3/ADC3/PCINT11
PC4/ADC4/SDA/PCINT12
PC5/ADC5/SCL/PCINT13
PC6/RESET/PCINT14
IO8
IO9
IO10
IO11
IO12
IO13
AD0
AD1
AD2
AD3
AD4
AD5
RESET
ATMEGA328P
IO10
IO11
IO12
IO13
IO14
IO15
IO16
IO17
IO18
IO19
SS
MOSI
MISO
SCK
AD0
AD1
AD2
AD3
AD4
AD5
SDA
SCL
IO0
IO1
RXD
TXD
+5V
RESET
IO13
LED & Reset
Arduino 328


a
D2
LED-YELLOW
D3
LED-YELLOW
D4
LED-YELLOW
D5
LED-YELLOW
D6
LED-YELLOW
D7
LED-YELLOW
U1_GND


U1_GND
B1
d
24V
-24.0
Volts


d
a
R5
600
-17.5
mA
IO9
R6
1K
d
Q1
2N2222
A
B
C
D
U1_GND