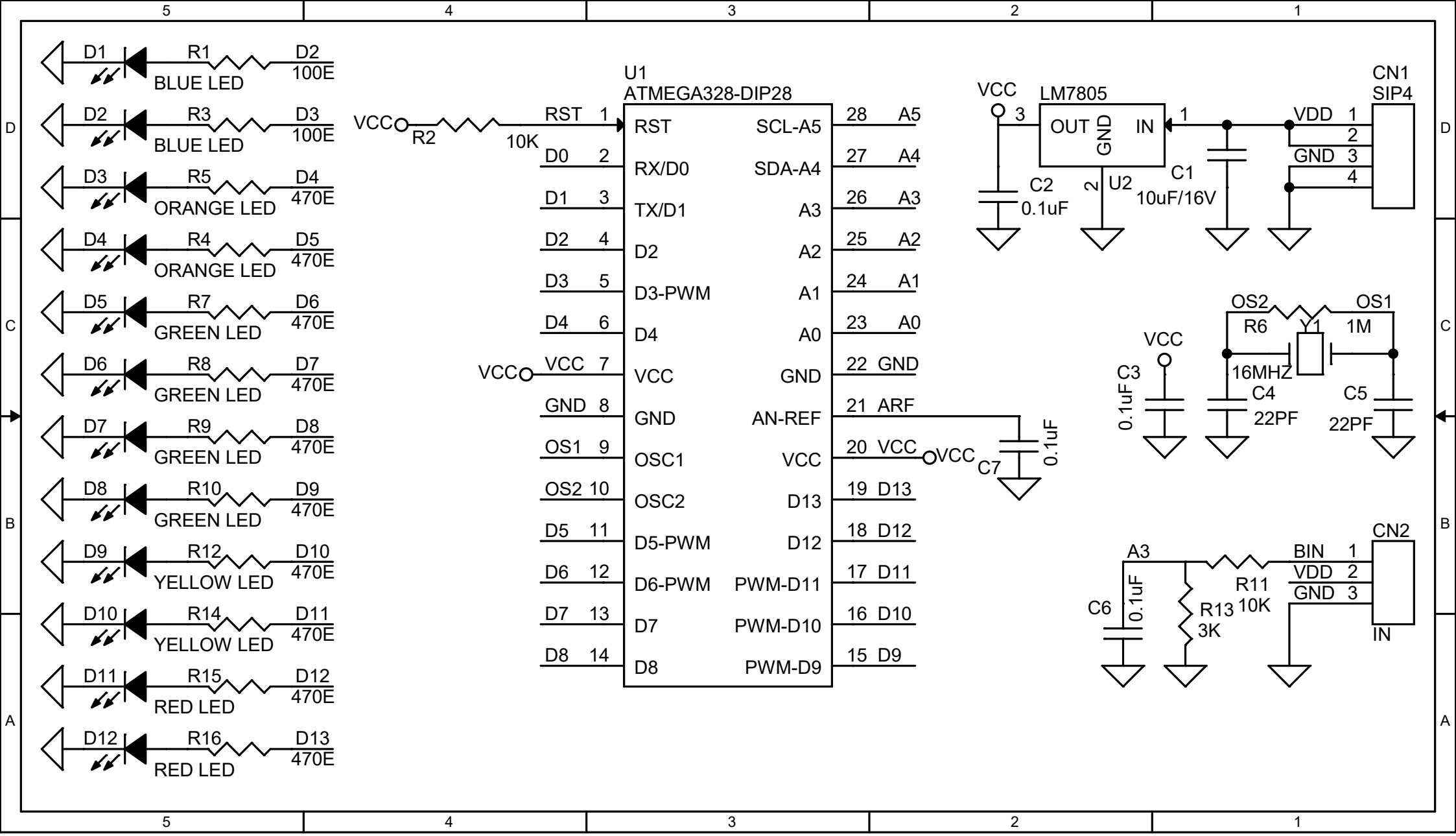
D1
R1
100E
BLUE LED
D2
R3
100E
BLUE LED
D3
R5
470E
ORANGE LED
D4
R4
470E
ORANGE LED
D5
R7
470E
GREEN LED
D6
R8
470E
GREEN LED
D7
R9
470E
GREEN LED
D8
R10
470E
GREEN LED
D9
R12
470E
YELLOW LED
D10
R14
470E
YELLOW LED
D11
R15
470E
RED LED
D12
R16
470E
RED LED
U1
ATMEGA328-DIP28
VCC
R2
10K
RST 1
D0 2
D1 3
D2 4
D3 5
D4 6
VCC 7
GND 8
OS1 9
OS2 10
D5 11
D6 12
D7 13
D8 14
RST
RX/D0
TX/D1
D2
D3-PWM
D4
VCC
GND
OSC1
OSC2
D5-PWM
D6-PWM
D7
D8
28 A5
27 A4
26 A3
25 A2
24 A1
23 A0
22 GND
21 ARF
20 VCC
19 D13
18 D12
17 D11
16 D10
15 D9
SCL-A5
SDA-A4
A3
A2
A1
A0
GND
AN-REF
VCC
D13
D12
PWM-D11
PWM-D10
PWM-D9
VCC
C7
0.1uF
VCC
LM7805
3
OUT
GND
IN
1
2
U2
C2
0.1uF
C1
10uF/16V
CN1
SIP4
VDD 1
2
GND 3
4
OS2
R6
OS1
Y1
1M
16MHZ
VCC
C3
0.1uF
C4
22PF
C5
22PF
CN2
A3
R11
10K
BIN 1
VDD 2
GND 3
IN
C6
0.1uF
R13
3K