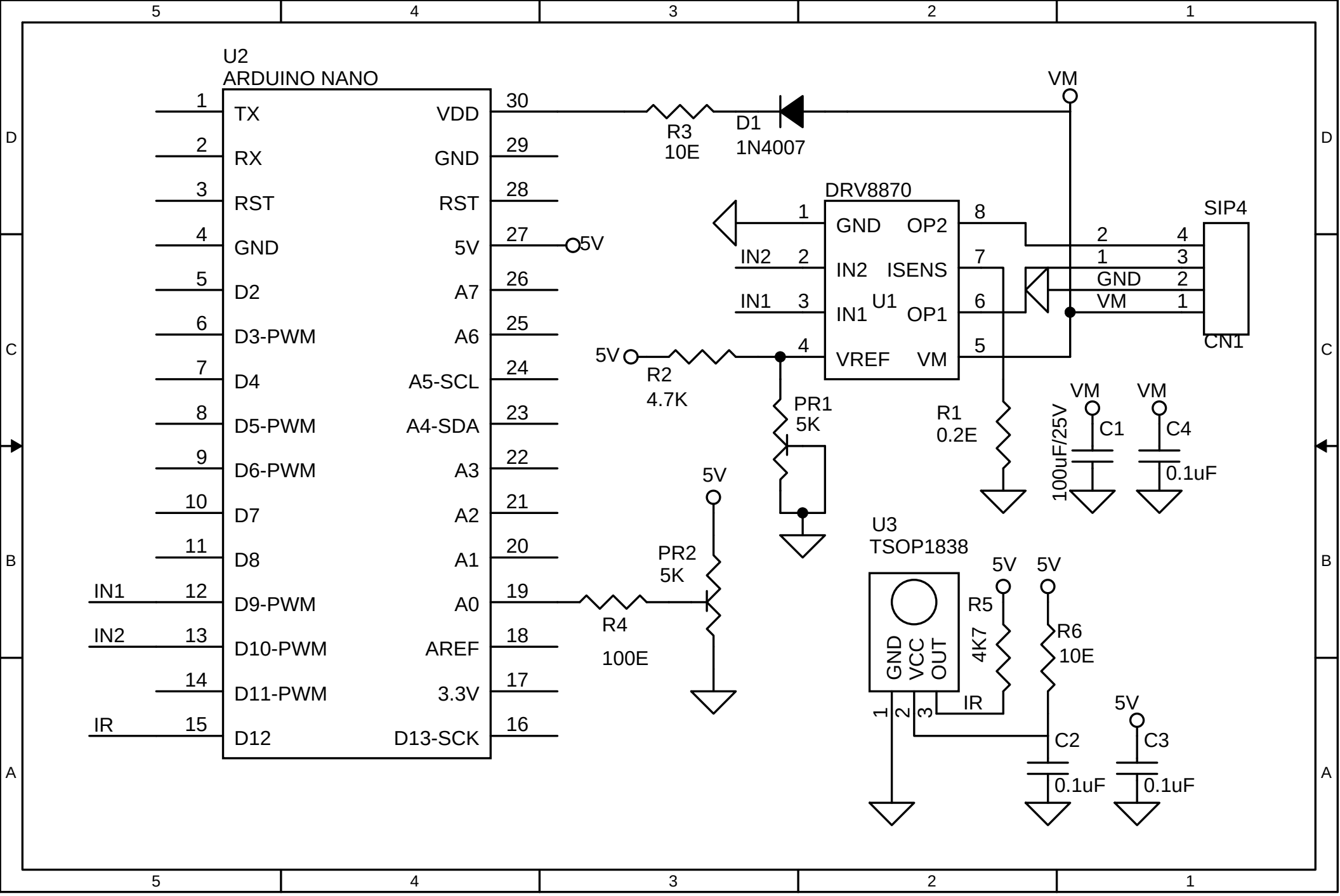
U2
ARDUINO NANO
TX
RX
RST
GND
D2
D3-PWM
D4
D5-PWM
D6-PWM
D7
D8
D9-PWM
D10-PWM
D11-PWM
D12
VDD
GND
RST
5V
A7
A6
A5-SCL
A4-SDA
A3
A2
A1
A0
AREF
3.3V
D13-SCK
IN1
IN2
IR
5V
R3
10E
D1
1N4007
VM
DRV8870
U1
GND
IN2
IN1
VREF
OP2
ISENS
OP1
VM
SIP4
CN1
GND
VM
R2
4.7K
PR1
5K
R1
0.2E
C1
100uF/25V
C4
0.1uF
PR2
5K
R4
100E
U3
TSOP1838
GND
VCC
OUT
R5
4K7
R6
10E
C2
0.1uF
C3
0.1uF