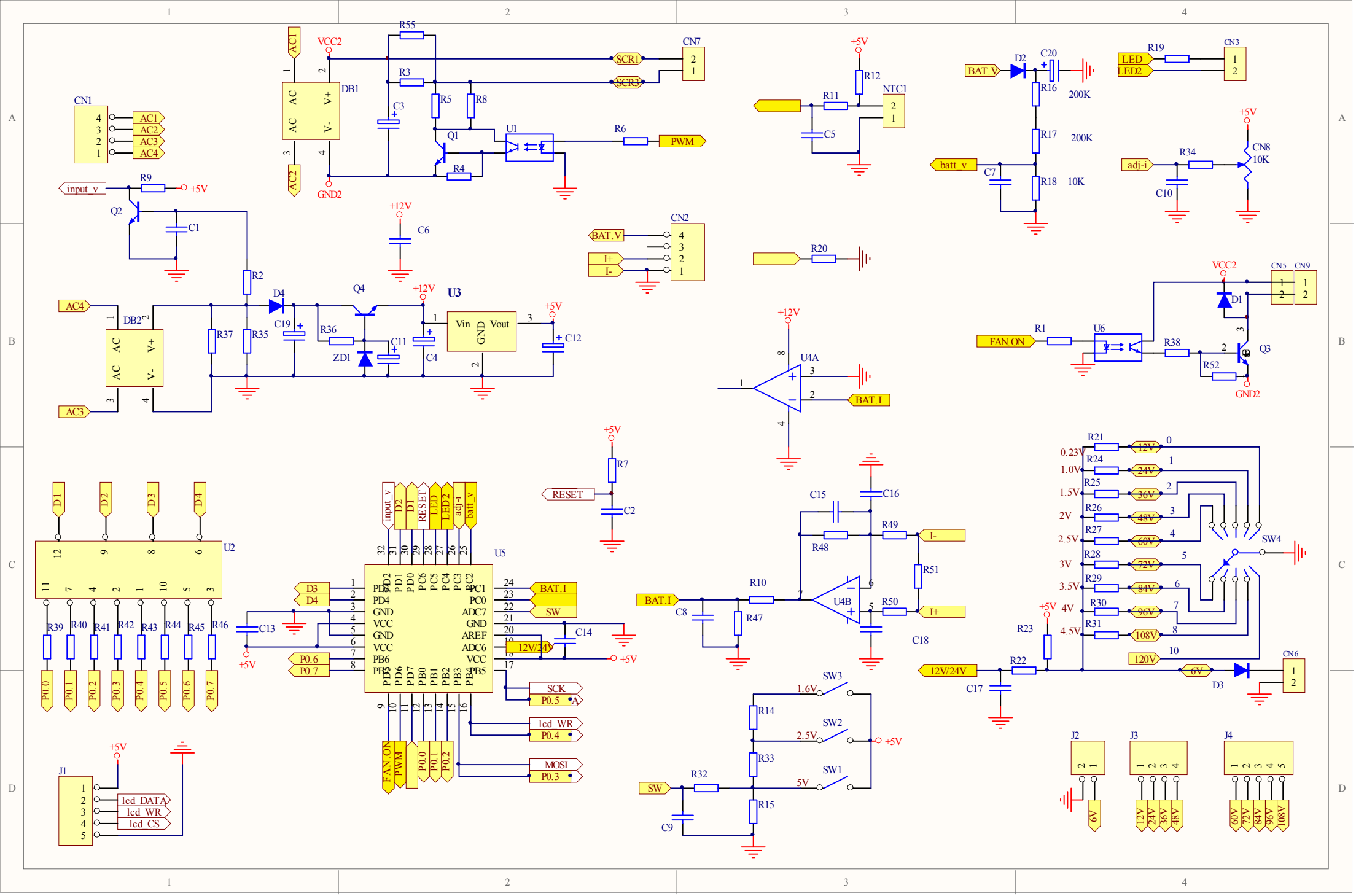

CN1
AC1
AC2
AC3
AC4
input_v
R9
+5V
Q2
C1
R2
DB2
AC4
AC3
R37
R35
D4
C19
R36
ZD1
C11
Q4
+12V
U3
Vin
Vout
GND
C4
C12
C6
DB1
VCC2
GND2
R55
R3
C3
R5
R8
Q1
R4
U1
R6
PWM
SCR1
SCR3
CN7
CN2
BAT.V
I+
I-
R12
NTC1
R11
C5
R20
BAT.V
D2
C20
R16
200K
R17
200K
R18
10K
batt_v
C7
R19
LED
LED2
CN3
CN8
10K
R34
adj-i
C10
VCC2
CN5
CN9
D1
FAN.ON
R1
U6
R38
Q3
R52
GND2
U4A
BAT.I
R7
RESET
C2
U2
D1
D2
D3
D4
R39
R40
R41
R42
R43
R44
R45
R46
P0.0
P0.1
P0.2
P0.3
P0.4
P0.5
P0.6
P0.7
U5
input_v
D2
D1
RESET
LED
LED2
adj-i
batt_v
PD2
PD1
PD0
PC6
PC5
PC4
PC3
PC2
PD3
PD4
GND
VCC
GND
VCC
PB6
PB7
PC1
PC0
ADC7
GND
AREF
ADC6
VCC
PB5
PD5
PD6
PD7
PB0
PB1
PB2
PB3
PB4
BAT.I
SW
12V/24V
C13
C14
SCK
P0.5
lcd_WR
P0.4
MOSI
P0.3
FAN.ON
PWM
P0.0
P0.1
P0.2
J1
lcd_DATA
lcd_WR
lcd_CS
C15
C16
R48
R49
I-
R51
R10
U4B
R50
I+
C8
R47
C18
SW3
1.6V
SW2
2.5V
SW1
5V
R14
R33
R15
R32
SW
C9
R21
R24
R25
R26
R27
R28
R29
R30
R31
0.23V
1.0V
1.5V
2V
2.5V
3V
3.5V
4V
4.5V
12V
24V
36V
48V
60V
72V
84V
96V
108V
120V
6V
SW4
R23
R22
12V/24V
C17
D3
CN6
J2
J3
J4
6V
12V
24V
36V
48V
60V
72V
84V
96V
108V