- LCD Display

Data pins: P3.0 to P3.7

Control pins: P4.5 and P4.6

- PS/2 keyboard and battery monitor

BATT+

P2.7

GND

P5/2

5V

C3

10nF

SCK — P1.3
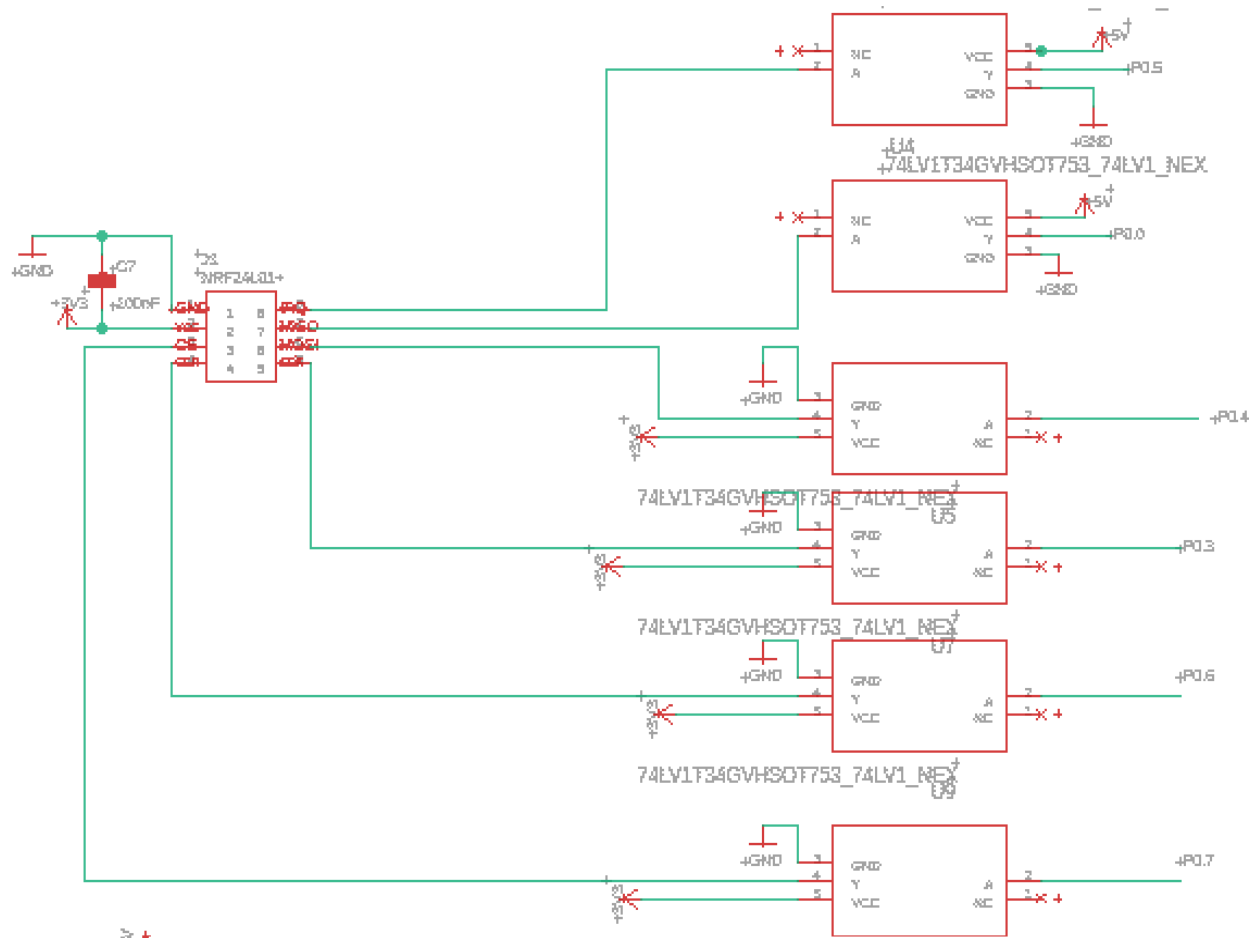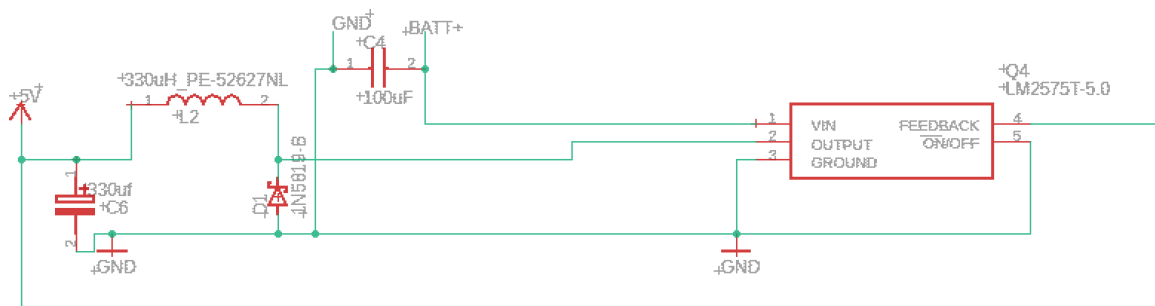GND
DATA — P1.4

GND

- NRF24L01+ module with 5x 74LV1t3GV Voltage Translator

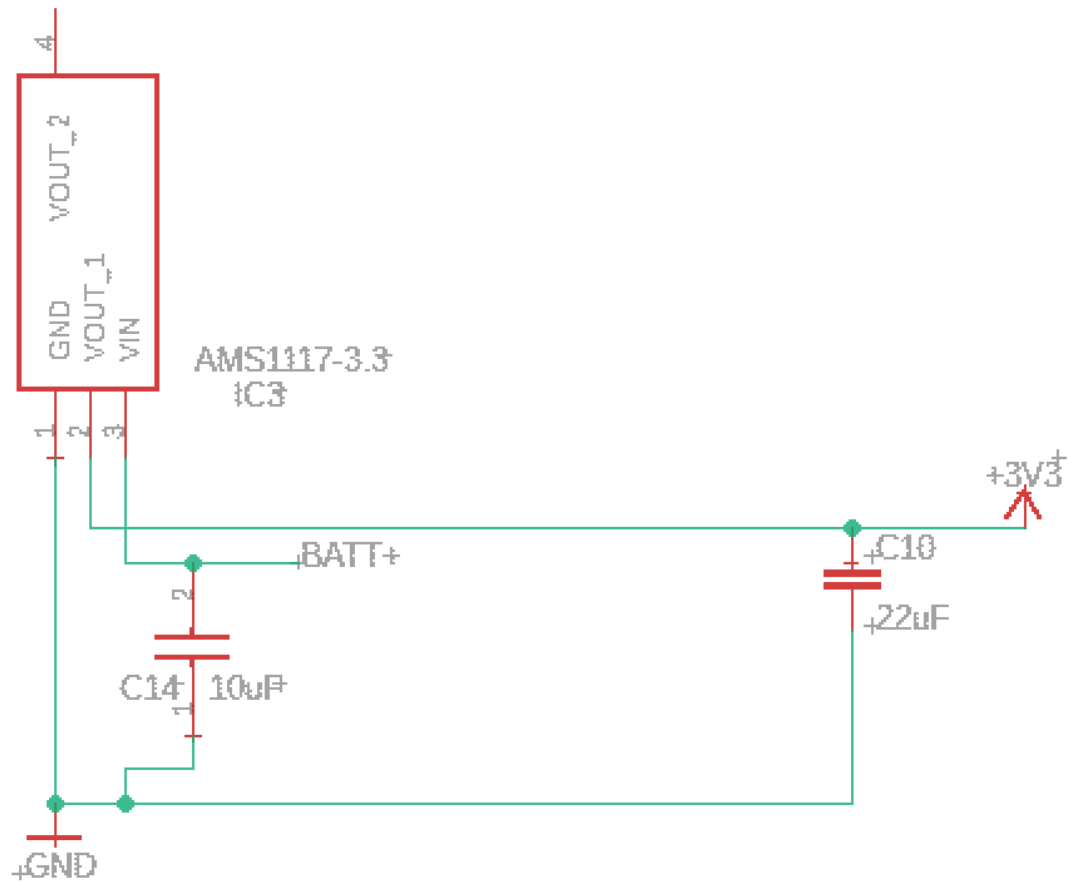Pins: Port 0

CE= P0.7   OUTPUT

CSN= P0.6   OUTPUT

IRQ= P05   INPUT

MOSI= P0.4   OUTPUT

SCK= P0.3   OUTPUT
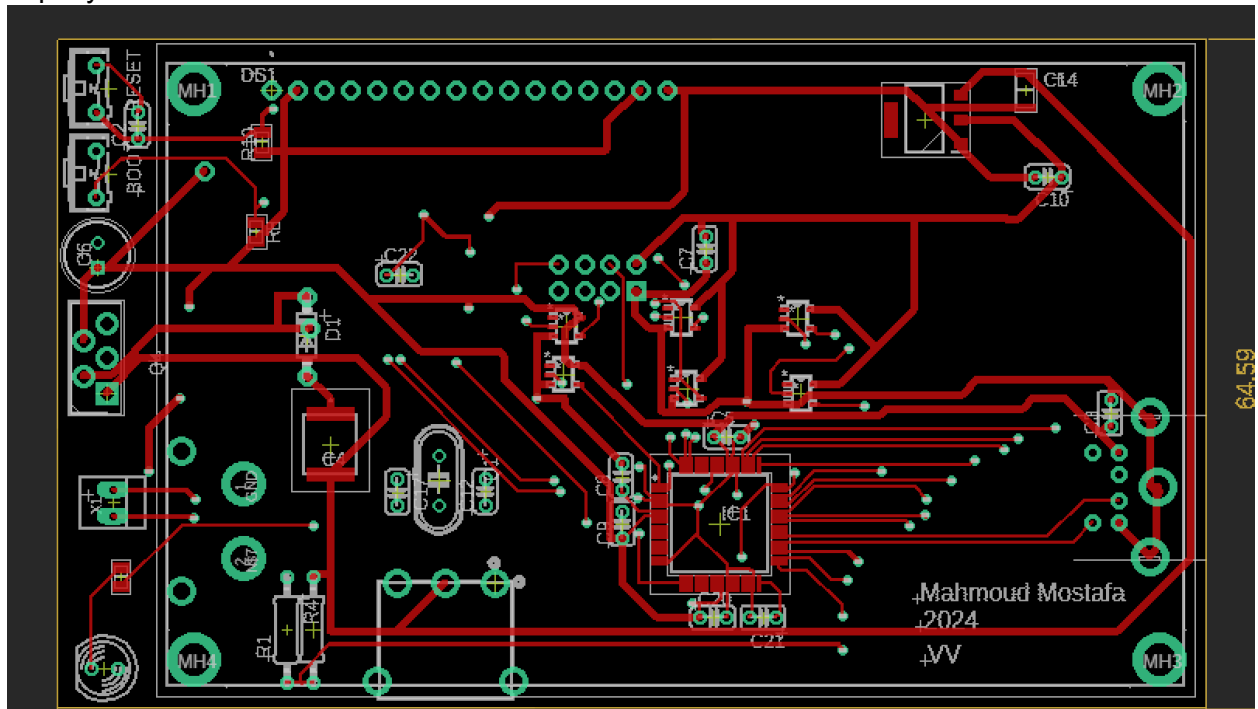
MISO= p0.0   INPUT

- LM2575 5V-1A Voltage Regulator

- AMS1117-3.3V -1A voltage Regulator
  Note : dropdown voltage 1.1V

- 7.4V 6000mA Li-poly Battery with slide switch
  Note battery input is XT60

- PCB layout

Top layer:

Bottom layer: