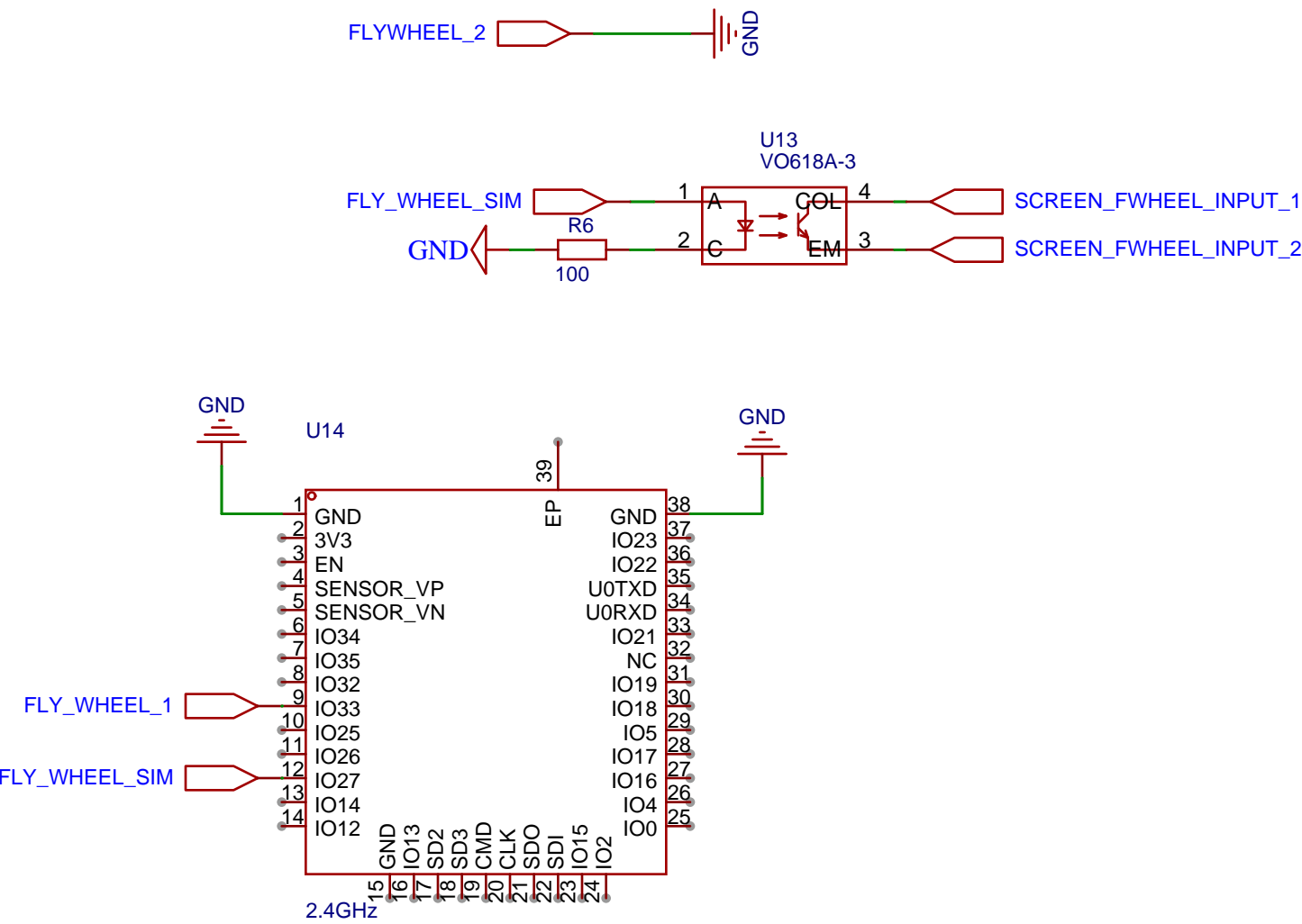FLY_WHEEL_[1|2] are the wires going to/coming from the fly wheel. Presumably there is just a reed switch at the end of these wires.

SCREEN_FWHEEL_INPUT[1|2] are the points where FLY_WHEEL_[1|2] originally connected to the screen's PCB.

FLY_WHEEL_SIM is the simulated fly wheel output from the esp32 so that the screen still works.

Note: R6 is probably a bit under spec'd at 100 ohms. It drives the opto hard, and really puts a hurtin on the output pin. 200 would probably be better

FLYWHEEL_2

GND

U13
VO618A-3

FLY_WHEEL_SIM   1   A   COL   4   SCREEN_FWHEEL_INPUT_1
                  R6
GND   2   C   EM   3   SCREEN_FWHEEL_INPUT_2
                  100

GND   GND

U14

39
EP

1   GND   GND   38
2   3V3   IO23 37
3   EN   IO22 36
4   SENSOR_VP   U0TXD 35
5   SENSOR_VN   U0RXD 34
6   IO34   IO21 33
7   IO35   NC   32
8   IO32   IO19 31
FLY_WHEEL_1   9   IO33   IO18 30
10 IO25   IO5   29
11 IO26   IO17 28
FLY_WHEEL_SIM 12 IO27   IO16 27
13 IO14   IO4   26
14 IO12   IO0   25

GND IO13 SD2 SD3 CMD CLK SDO SDI IO15 IO2
15 16 17 18 19 20 21 22 23 24

2.4GHz

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