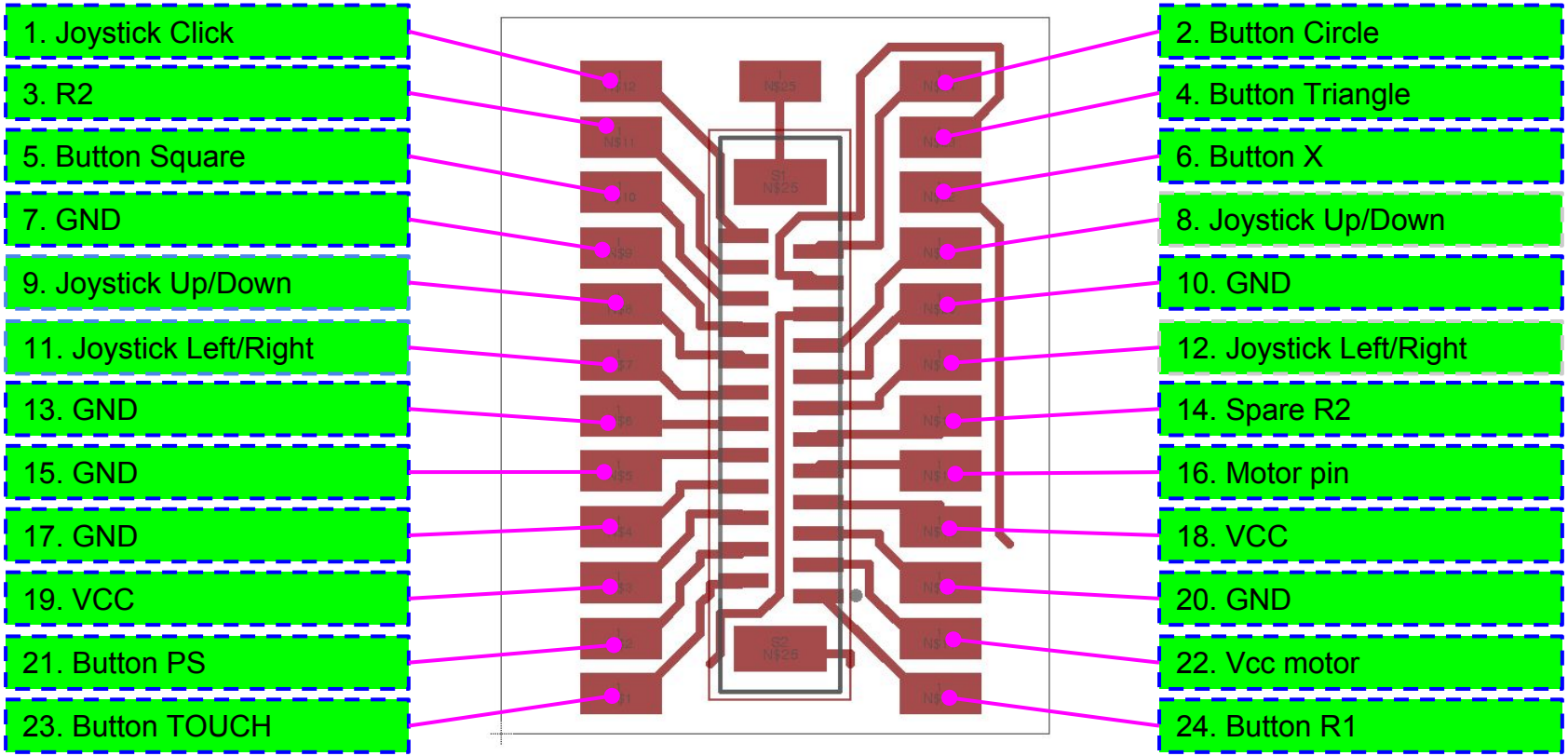
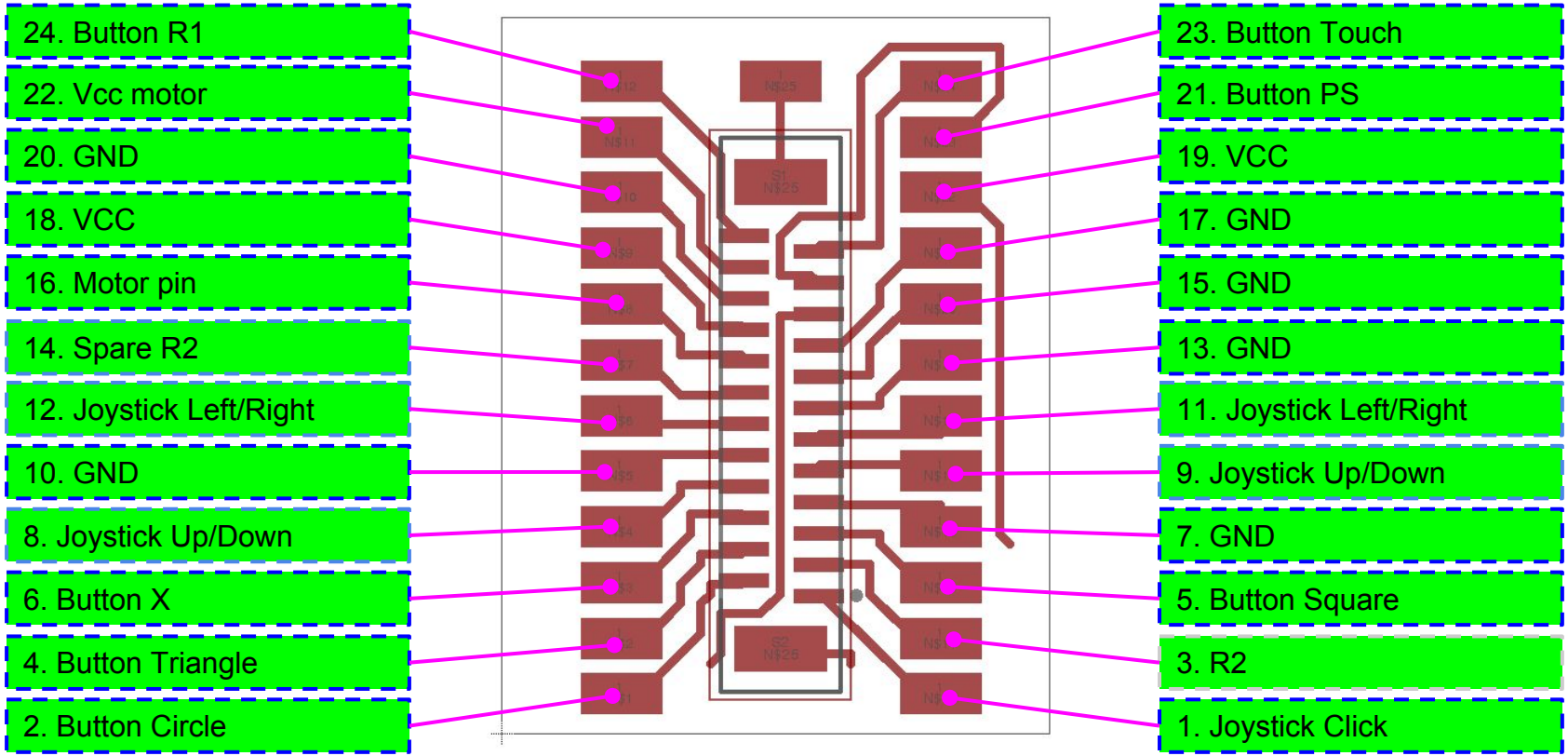
Playstation Aim Controller

Reverse engineering

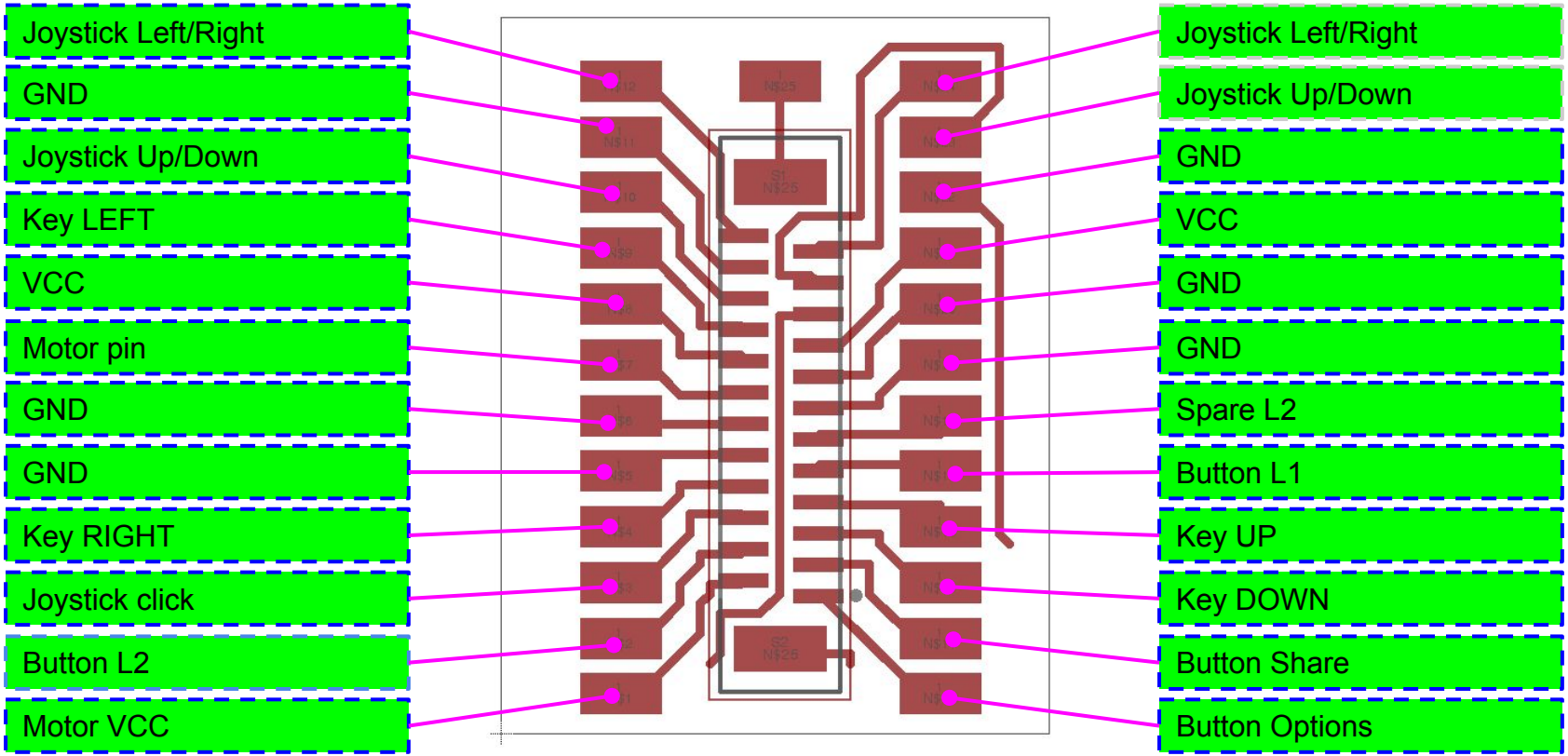
Main board to PCB



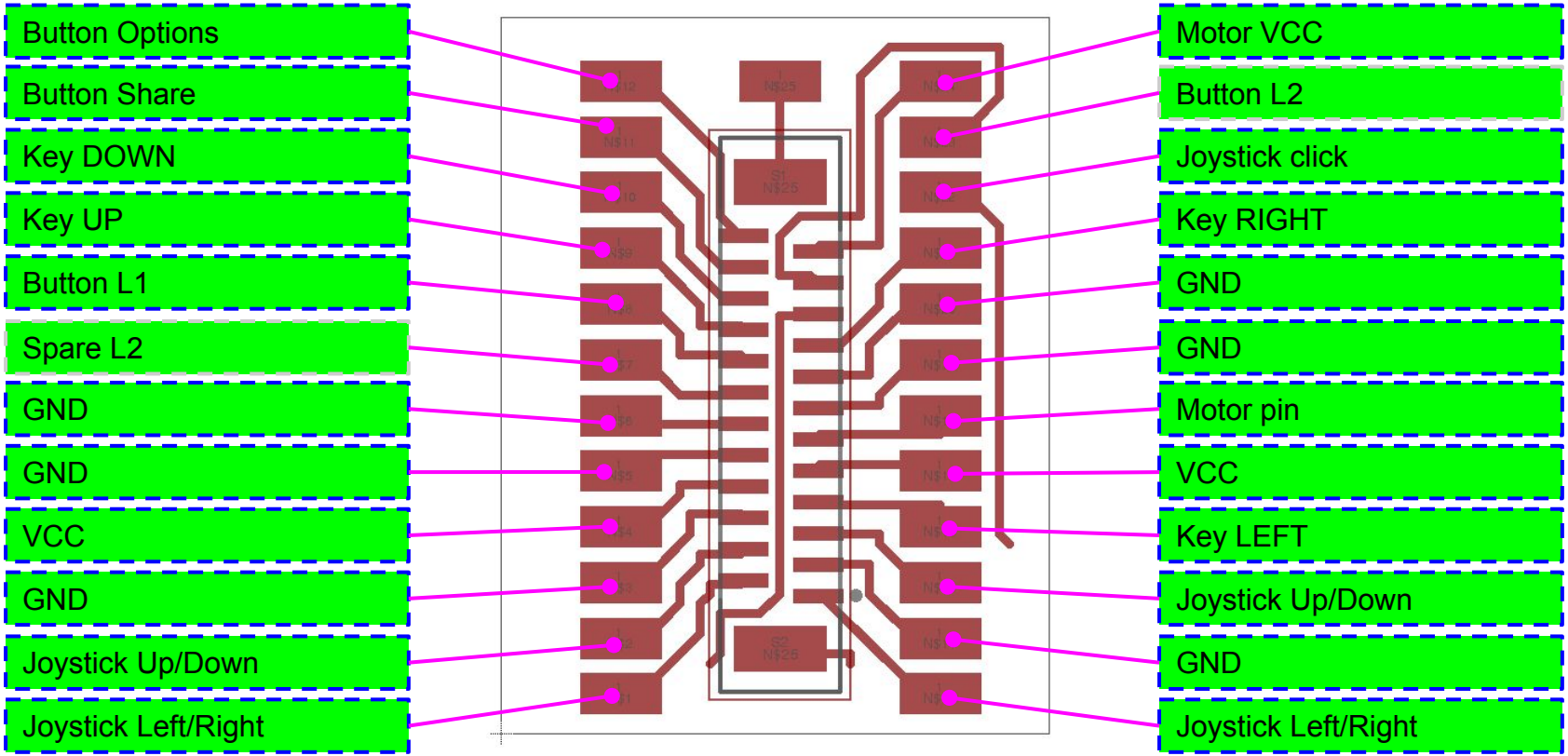
PCB to Trigger Controller (Back)



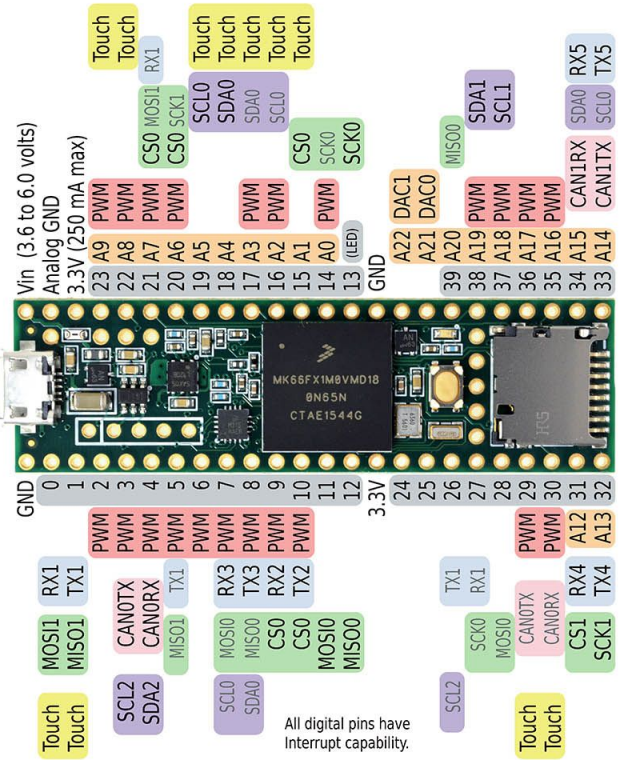
PCB to Front Controller

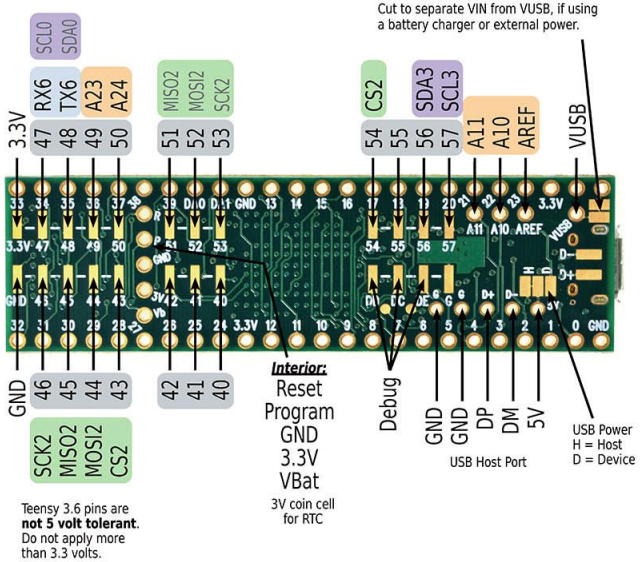


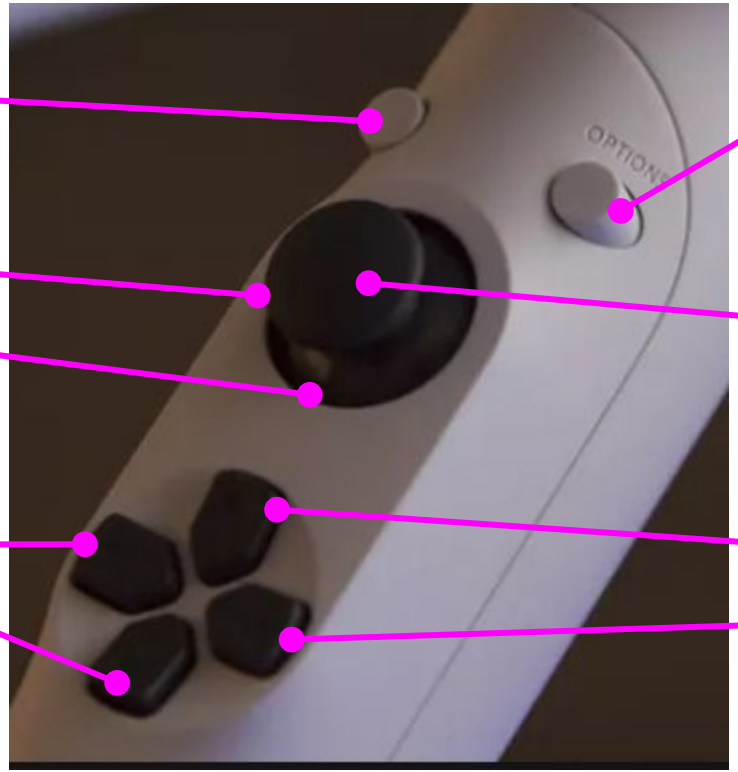
Main board to PCB



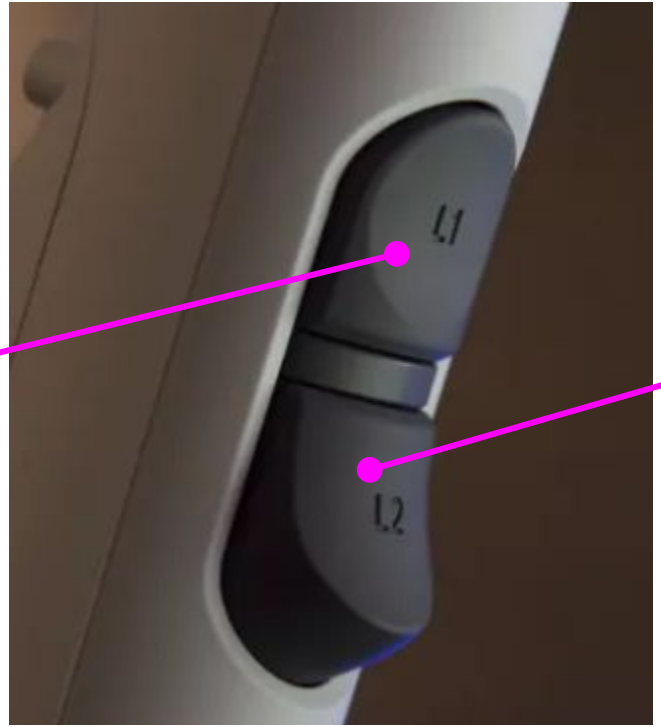
Teensy 3.6 pin outs






Share | Direct
Left/Right | In: 20 Out: MCP 38
Up/Down | In: 21 Out: MCP 38
Left | In: 3 Out: 4
Down | In: 5 Out: 6
Options | Direct
Click | In: 42 Out: 43
Up | In: 9 Out: 10
Right | In: 7 Out: 8

L1 | In: 40 Out: 41



L2 | In: 39 Out: MCP 36

PS | Direct

Triangle | In: 30 Out: 31

Left/Right | In: 23 Out: MCP 37

Up/Down | In: 22 Out: MCP 37

Square | In: 26 Out: 27

Touch | In: 44 Out: 45

Click | In: 32 Out: 33

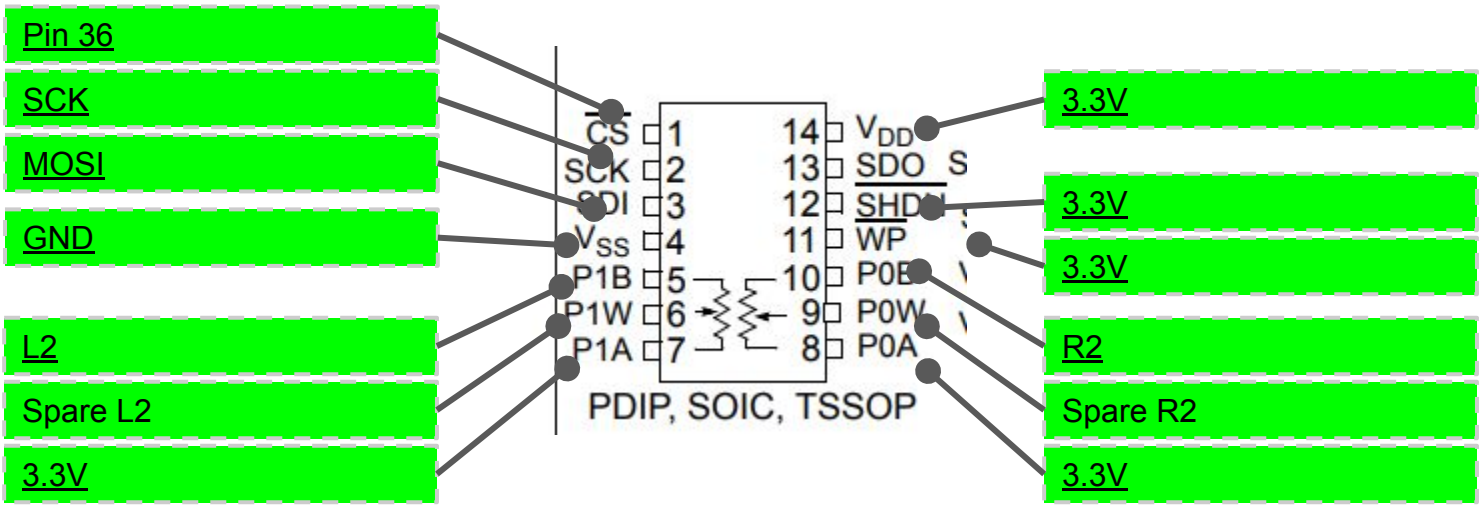
Circle | In: 28 Out: 29

X | In: 24 Out: 25

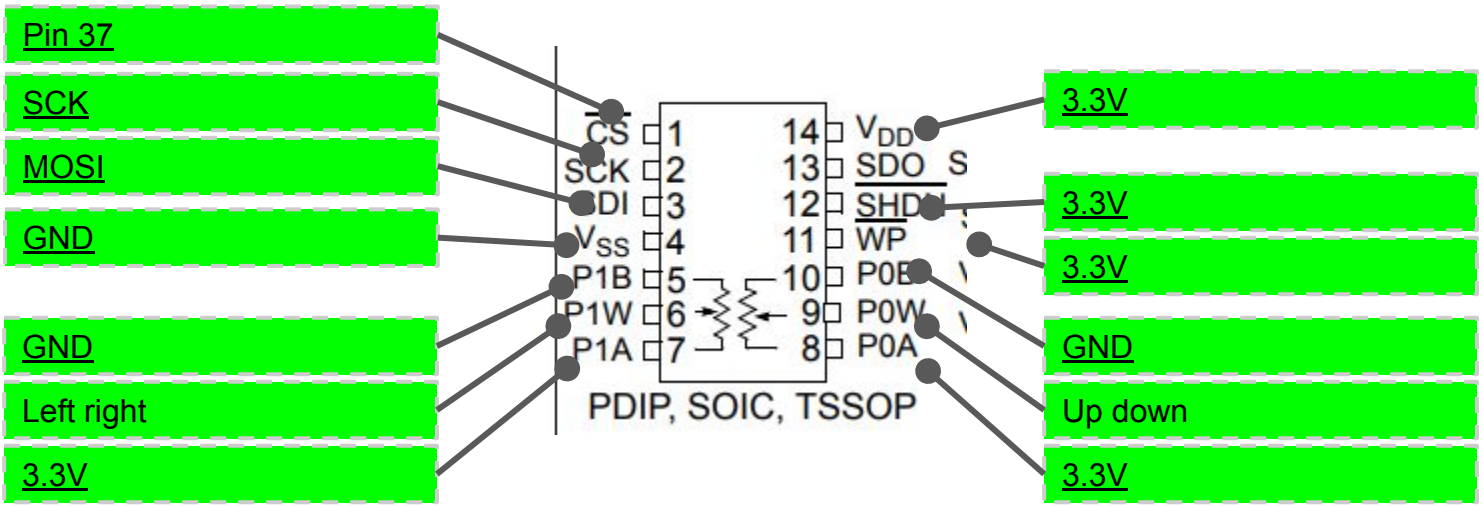
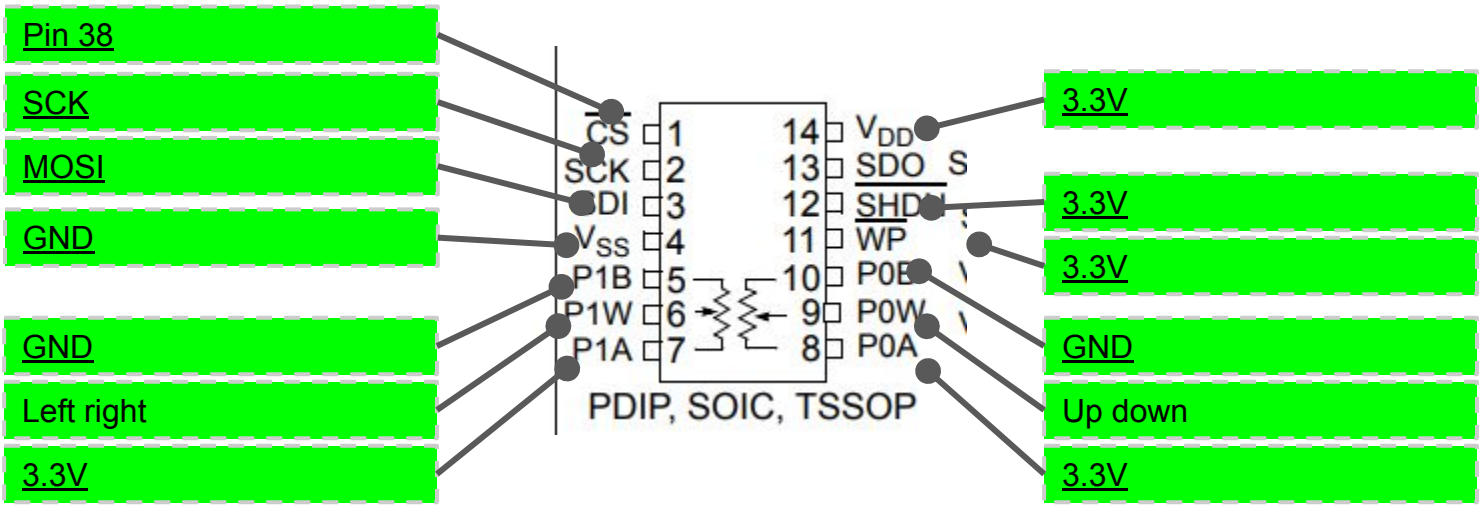
R1 | In: 34 Out: 35

R2 | In 14 Out: MCP 36

Digital potentiometer for R2 and L2



Digital potentiometer for Back Joystick



Digital potentiometer for Front Joystick