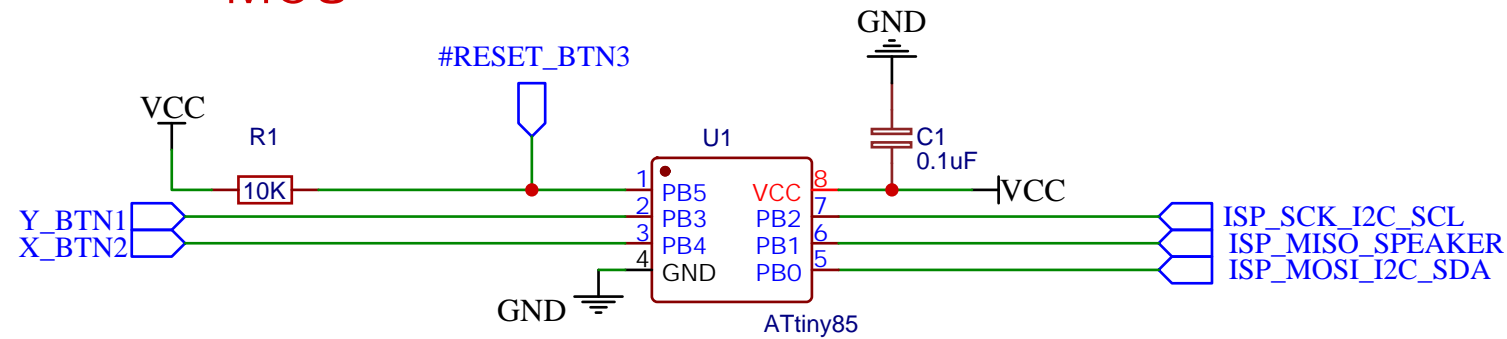
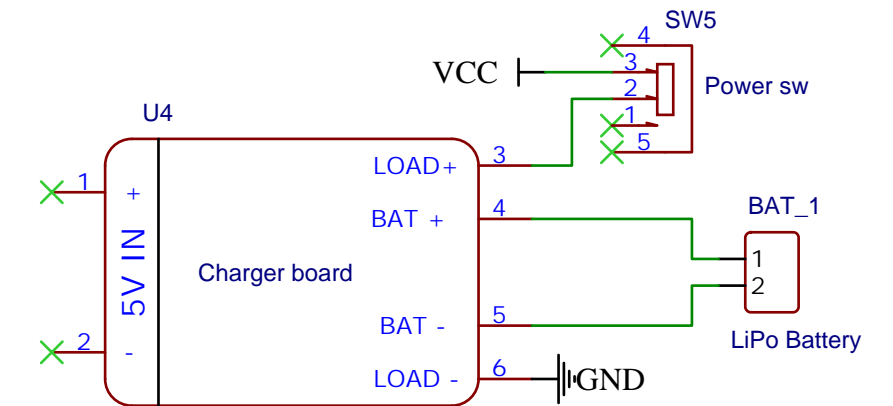


MCU

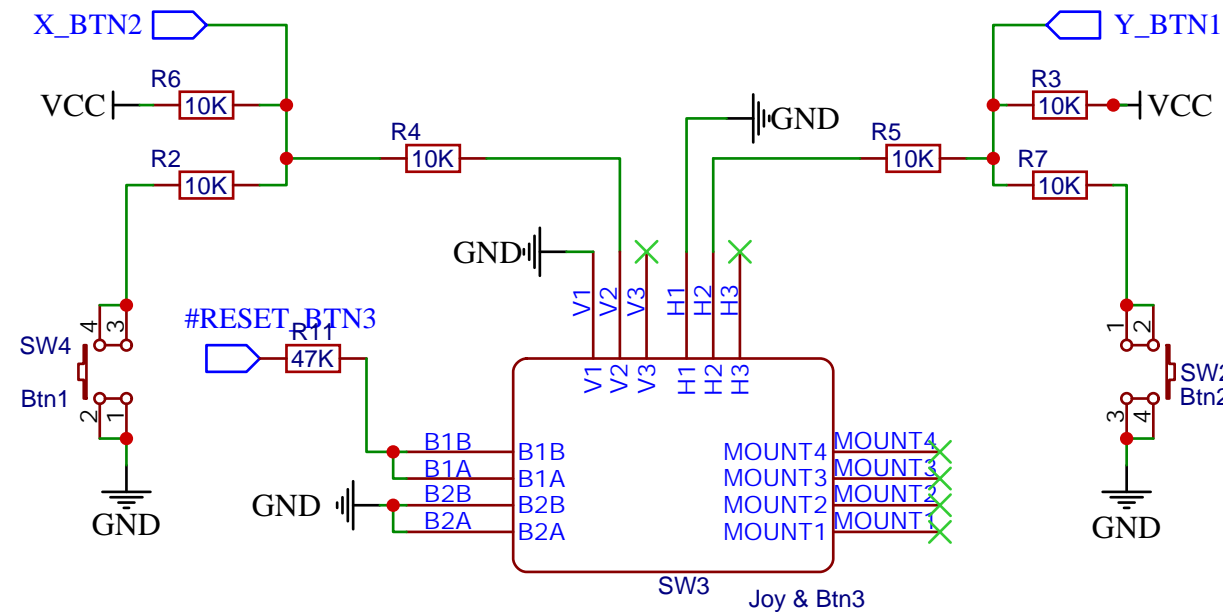


LIPO BATTERY & CHARGER



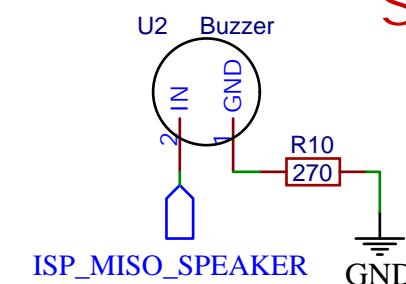
Always turn-off the power before connecting the ISP programmer or the USB charger!

BUTTONS & JOYSTICK



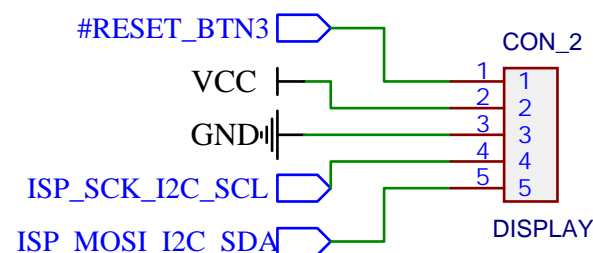
The joystick has an extra button, we connect it to the #RESET PIN using a larger resistor so we don't bring the #RESET line down fully.

SPEAKER



Adding a small resistor to the speaker protects the ISP_MISO line during programming and makes the sound more quiet.

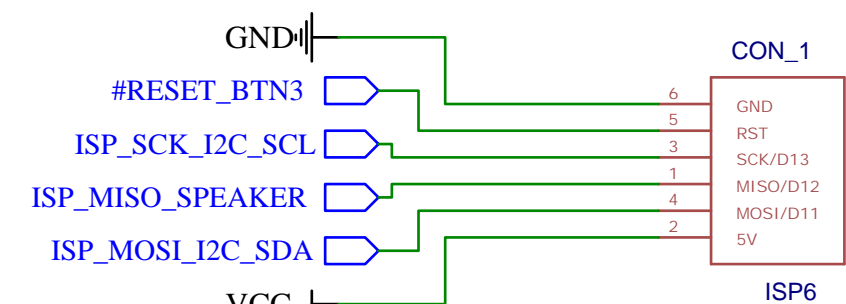
DISPLAY CONNECTOR



The display must not drive the ISP lines during programming. The programmer will pull down the #RESET line, so we can use this to disable the display when the programmer is active.

Standard I2C OLED modules usually have 4 PINs only and don't have a #RESET PIN, but the #RESET of the display controller is connected to GND with a small capacitor. You should remove the capacitor (to make the ISP programmer more stable) and then manually connect the #RESET PIN of the display controller with the #RESET line on the board.

ISP PROGRAMMER CONNECTOR



TITLE: Tiny-Gameboy		REV: 1.0
Company: N/A		Sheet: 1/1
Date: 2022-01-27		Drawn By: Máté Szalay-Bek