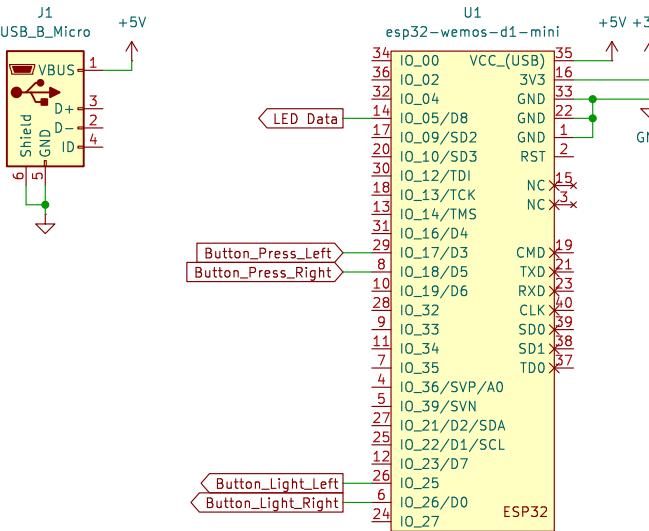


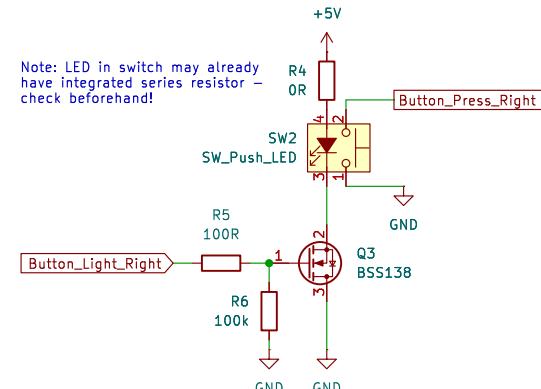
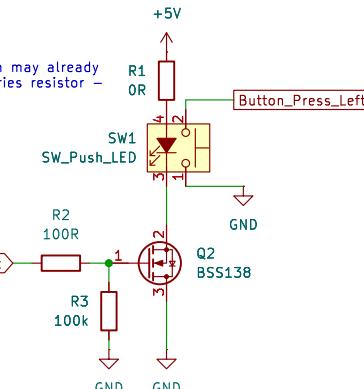
### ESP32 board (here: WEMOS D1 compatible layout)

Important Note:  
Please check the pin layout of your ESP board!  
Several versions are available with different pin layouts



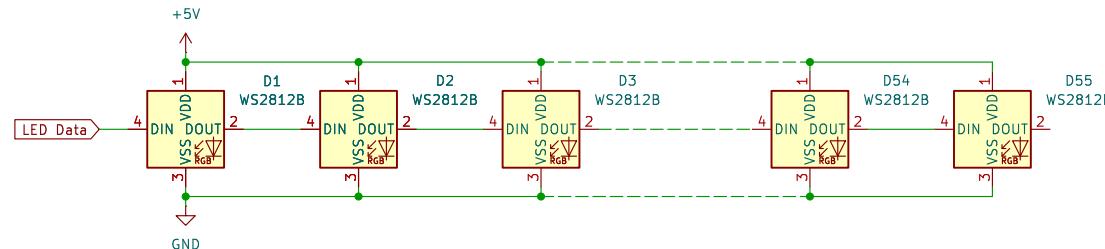
### Arcade style Game Buttons with integrated LED (2x)

Note: In order to light the LED in the switch (which is pre configured for 5V in my arcade buttons) we need to use an N-Channel MOSFET. BSS138 is a cheap jelly-bean option – but you can pick pretty much any similar MOSFET. Dimming is done via PWM.



### LED Strip (WS2818B)

Note: Please make sure to have a proper power supply that can provide sufficient current. Adding a fuse might be recommended – especially when powering from a battery!



as seen at 39C3

Sheet: /  
File: 1d-pong.kicad\_sch

**Title: 1D-Pong Game**

Size: A4 Date: 2026-01-11  
KiCad E.D.A. 9.0.6

Rev: 0.9.1  
Id: 1/1