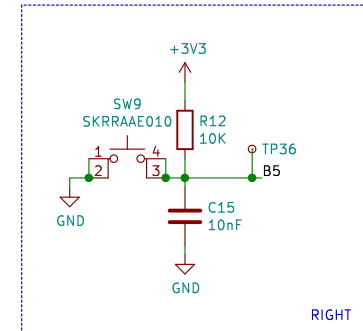
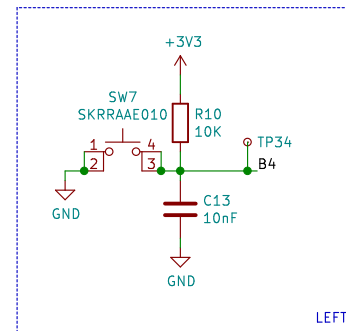
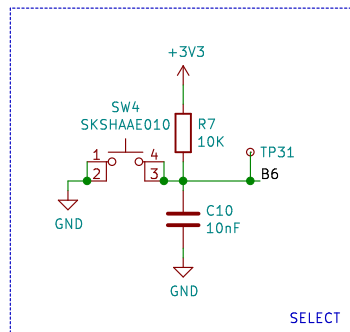
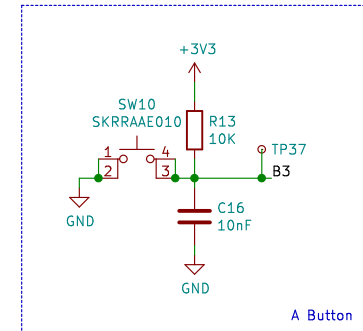
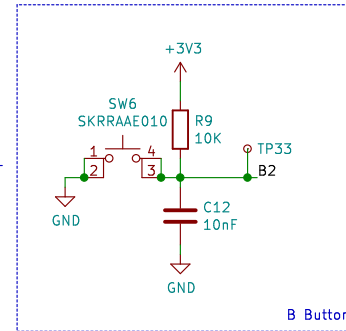


B Button is used to change BOOT1



## GameGirl Project.

by Caca @ Master SIAME  
of University Paul Sabatier

Sheet: /Buttons/  
File: Buttons.sch

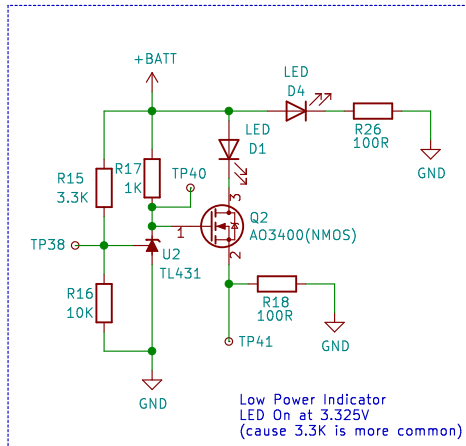
**Title:** GameGirl Project: Buttons

Size: A4 Date: 2021-12-22

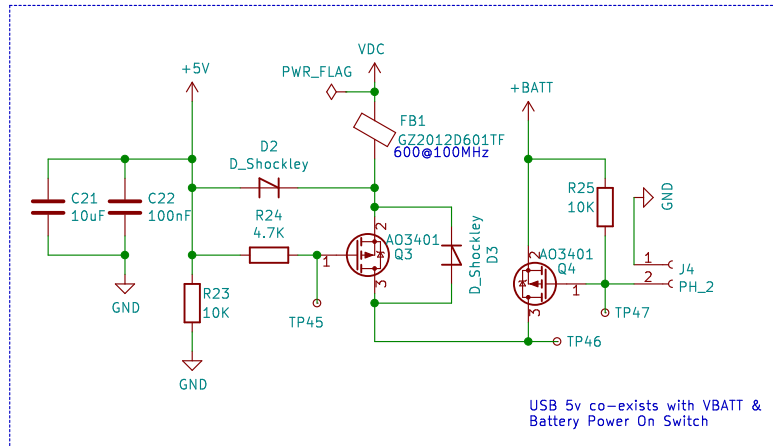
KiCad E.D.A. kicad (5.1.12)-1

**Rev:**

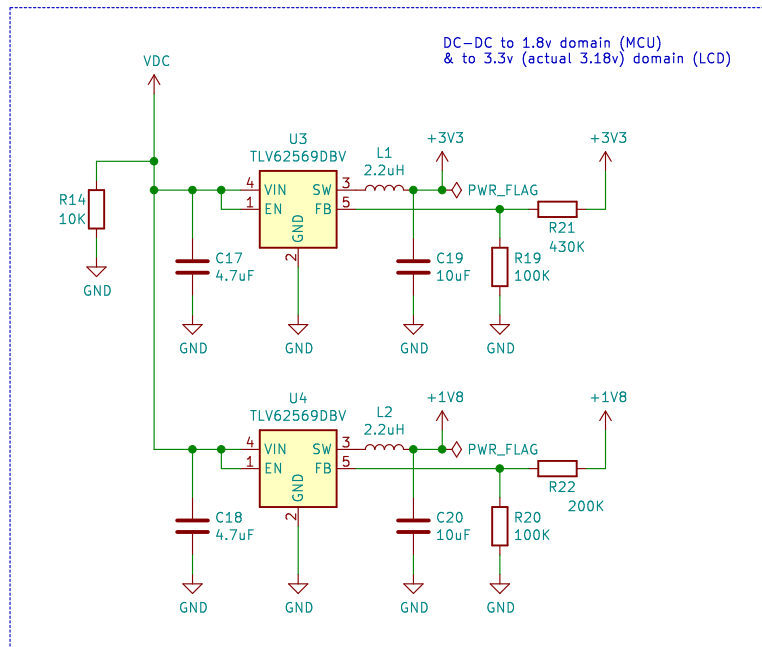
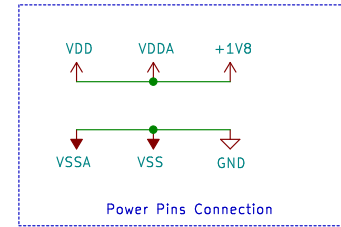
Id: 2/3



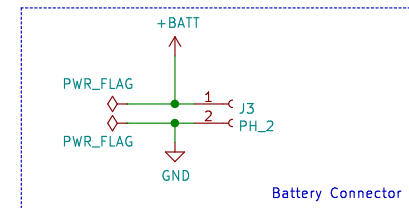
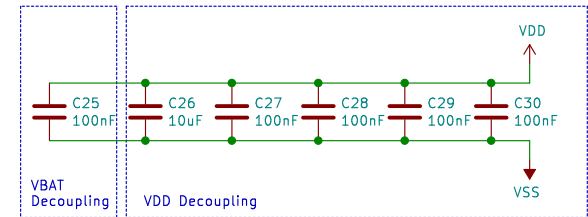
Low Power Indicator based on TL431  
LED is ON if VBAT < 3.3V.  
To be verified (in practice) if the output voltage is correct,  
and if the circuit is triggered correctly.



1. The power switch is not on the PCB
2. If USB is hot plugged when powered by the battery, the device should be able to switched to the USB power without interruption. However, this is a bit meaningless if the battery is not chargeable. And, i doubt a bit if it works perfectly as expected, so disconnect the battery before plug the USB cable.



2x Buck DCDC.  
3.3V domain is actual 3.18V  
considering the discharging curve of 18650 Li-ion battery



## GameGirl Project.

by Caca @ Master SIAME  
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Sheet: /Power/  
File: Power.sch

**Title:** GameGirl Project: Power

Size: A4 Date: 2021-12-22

KiCad E.D.A. kicad (5.1.12)-1

**Rev:**

Id: 3/3