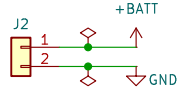
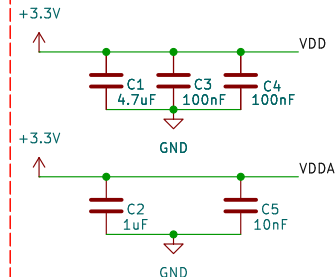


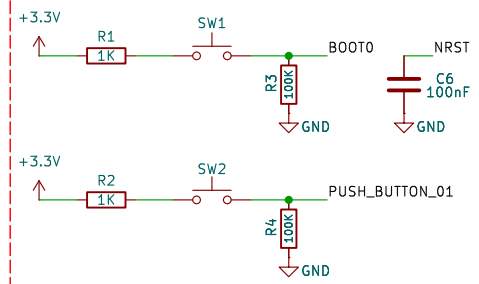
MIKROE-1120
Lithium Ion Polymer (LiPo) Battery
2000mAh



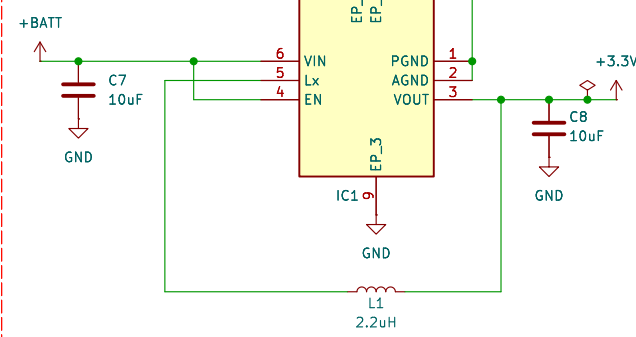
Decoupling Capacitors
VDD => n x 100nF + 1 x 4.7uF
VDDA => 1 x 10nF + 1 x 1uF



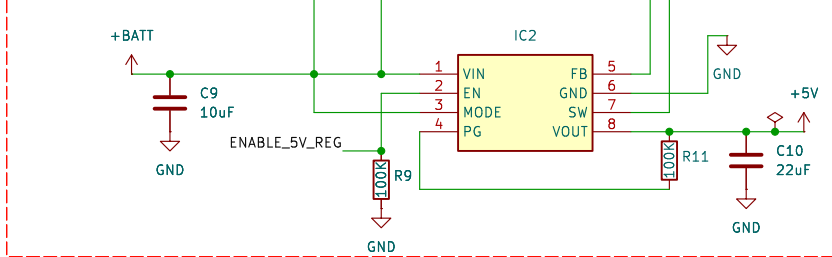
BOOT0 | NRST | PB_01



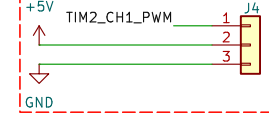
XC9288A33CER-G
Step-Down Buck Switching Regulator
Vin => 2.5V ~ 5.5V
Vout => 3.3V
Iout => 1.5A



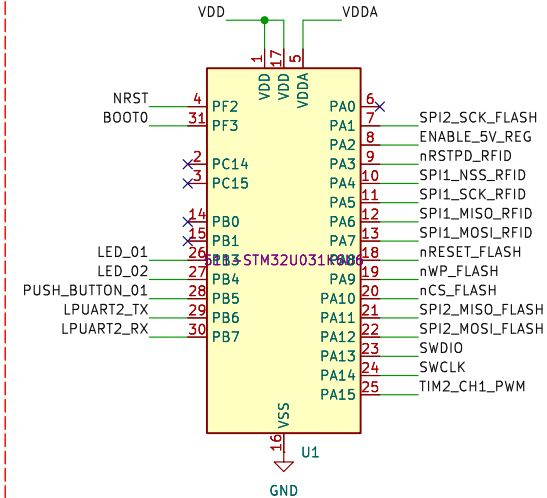
TPS61033DRLR
Step-Up Boost Switching Regulator
Vin => 1.8V ~ 5.5V
FOR FIXED VOUT = 5V
- FB CONNECTED TO VIN
- PWM MODE ACTIVATED
- NO RESISTOR DIVIDER NEEDED
MODE : HIGH -> PWM MODE
LOW -> PFM MODE



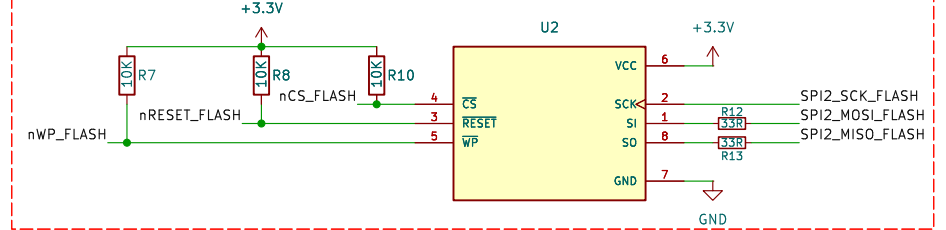
Servo Motor



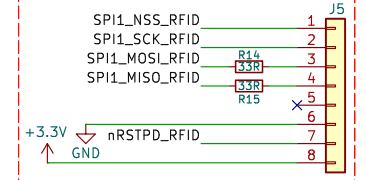
STM32U031K6Ux



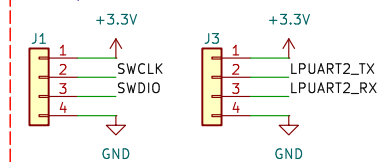
AT45DB021E-SHN-T
2Mbit FLASH



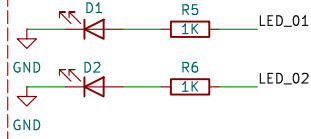
RFID Module - MFRC522



DEBUG | LPUART



LED's



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Date: 2025-03-28

KiCad E.D.A. 9.0.0

Rev:

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