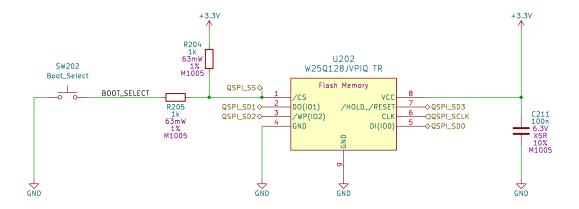


Flash and Boot Select



Quad-SPI Flash memory for MicroPython code storage. Boot Select switch: Hold during power on to enter USB Mass Storage mode. Allows the user to transfer Micro Python code to the device.

Goblin Hardwerks

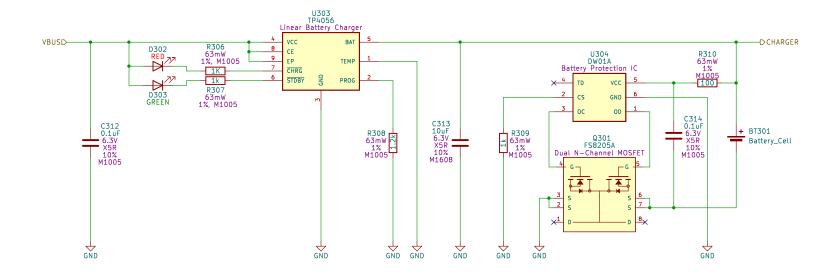
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 Size: USLetter
 Date: 2023-12-21
 Rev: 0.2

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Battery Charger



TP4056 Linear Lithium—Ion Battery Charging IC.
DW01A Over Charge, Over Discharge, and Over Current protection IC.
FS8205A Dual N—Channel MOSFET.

Manages the safe charging and discharging of the attached Lithium battery. Includes a Red charging indicator LED, and a Green standby indicator LED.

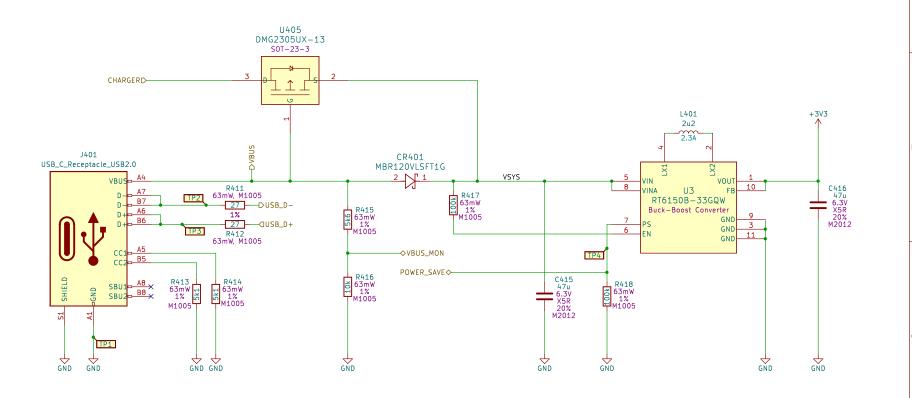
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Power and Data



USB 2.0 Data and Power over USB-C. P-Channel MOSFET for switching between internal and external power. Buck-Boost Converter for 3.3V power.

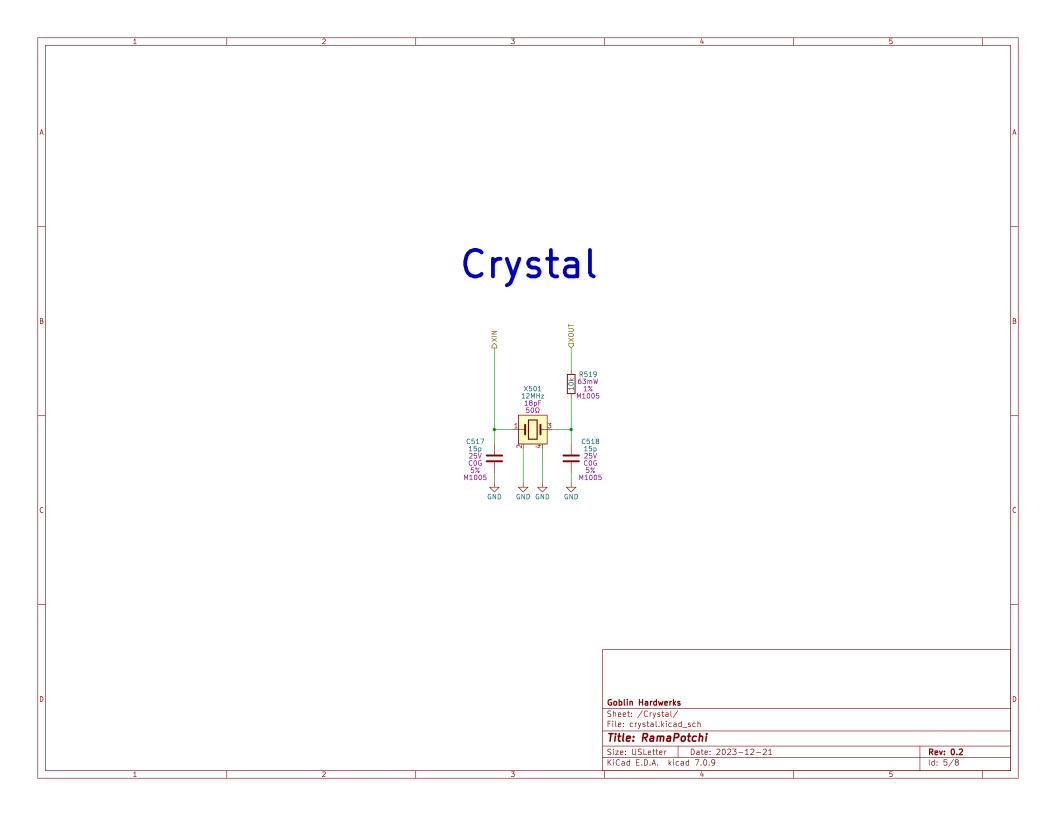
Goblin Hardwerks

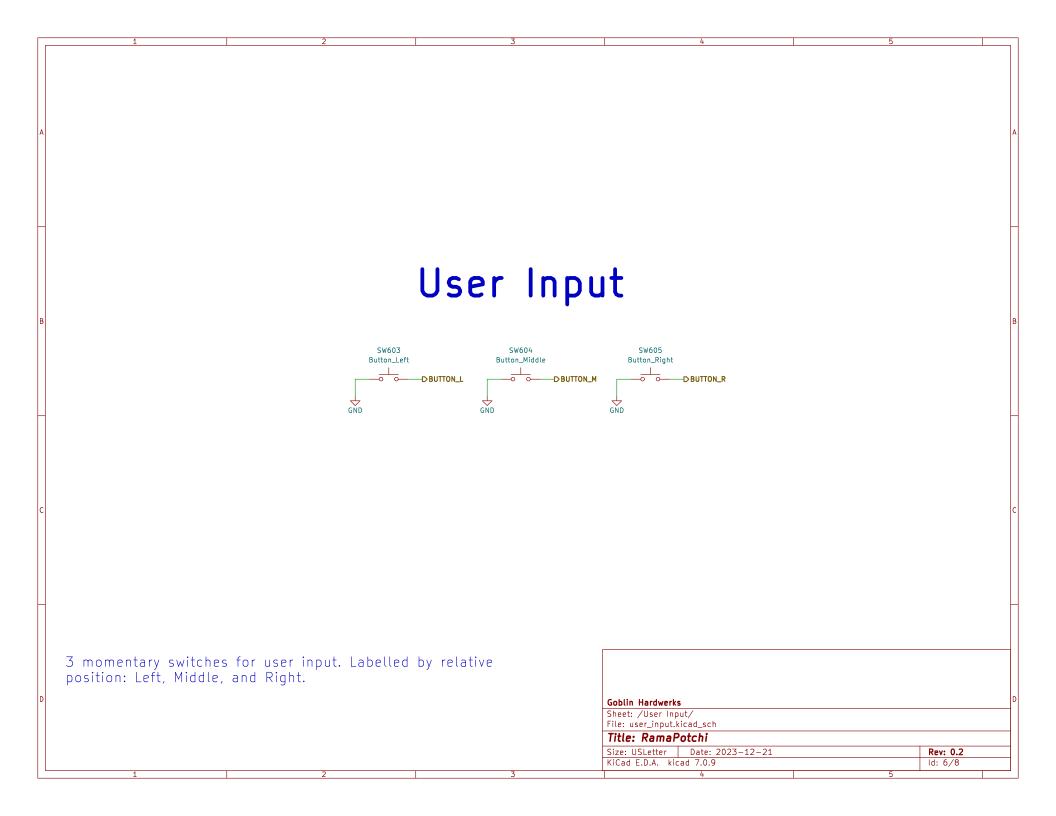
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| Title: RamaPotchi

 Size: USLetter
 Date: 2023-12-21
 Rev: 0.2

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 Id: 4/8





Screen +3V3 SDA SCL VCC I2C_SDA♦ Brd701 SSD1306 I2C_SCL♦ 1 GND 0.96" 128x64 resolution monochrome OLED display, driven by a SSD1306 IC. I2C interface. 3.3V power. Goblin Hardwerks Sheet: /Screen/ File: screen.kicad_sch Title: RamaPotchi Size: USLetter Date: 2023-12-21 Rev: 0.2 KiCad E.D.A. kicad 7.0.9 ld: 7/8