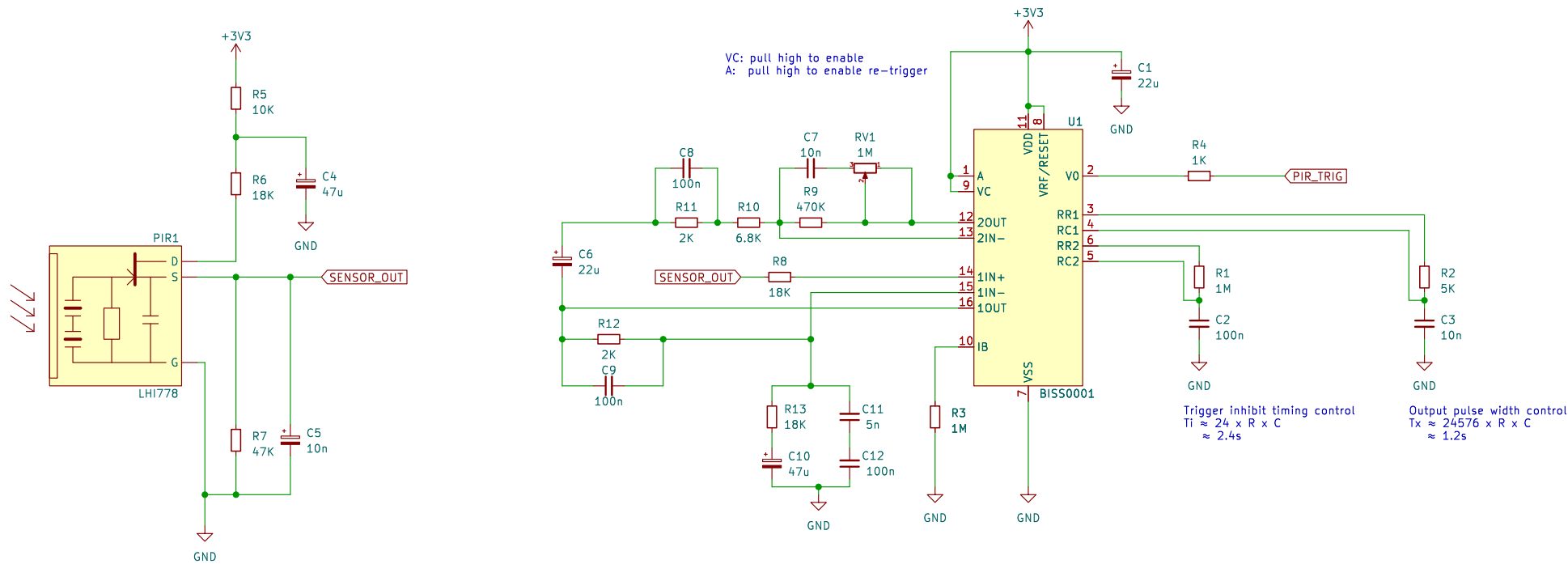


PIR Sensor Signal Conditioning

Power supply must be able to manage battery voltage 4.4 -> 6.6V
Must not supply any battery voltage to VBUS (USB port)



MCU CIRCUITRY

File: BlackPill.kicad_sch

BanksiaBytes

Sheet: /
File: PygmyPossumV2_Hardware.kicad_sch

Title: **PYGMY POSSUM**

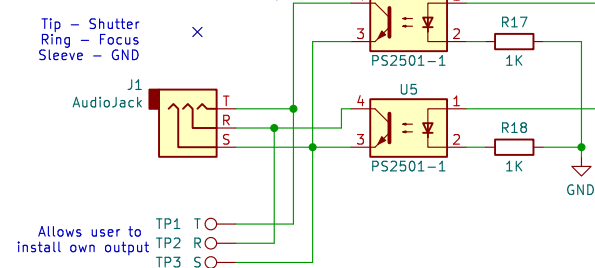
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Date: 2023-06-01

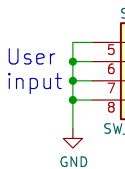
Rev: 2.0

Id: 1/2

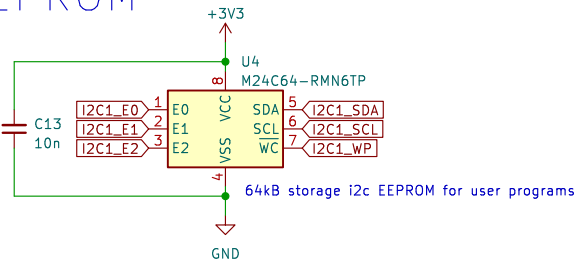
Camera Output



User input

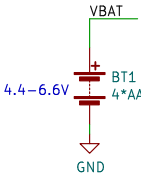


EEPROM

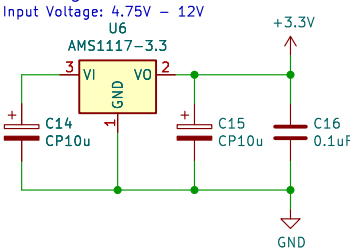


Power Supply

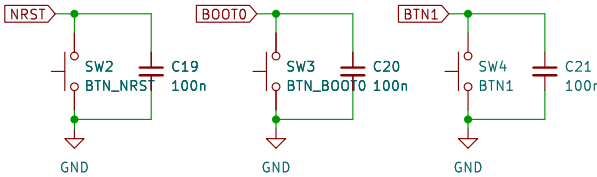
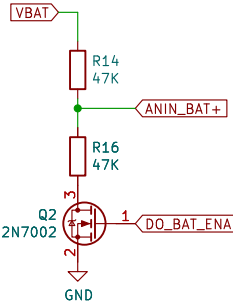
Power supply must be able to manage battery voltage 4.4 -> 6.6V
Must not supply any battery voltage to VBUS (USB port)



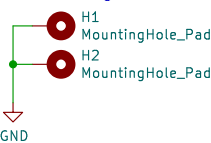
Regulation



Battery Voltage Monitoring



Mounting Holes



MCU Circuitry		
BanksiaBytes		
Sheet: /MCU CIRCUITRY/ File: BlackPill.kicad_sch		
Title: PYGMY POSSUM		
Size: A3	Date: 2023-06-01	Rev: 2.0
KiCad E.D.A. kicad 7.0.2		Id: 2/2