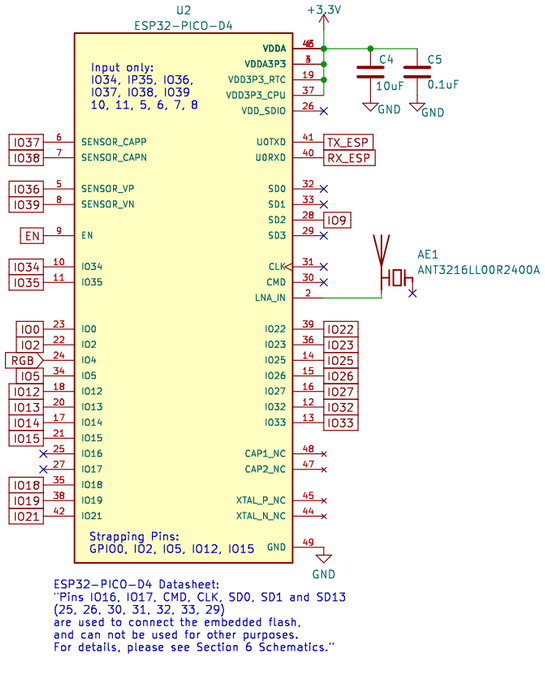
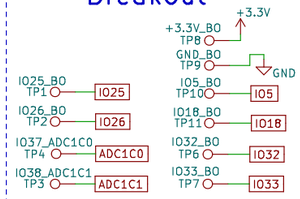
SOC



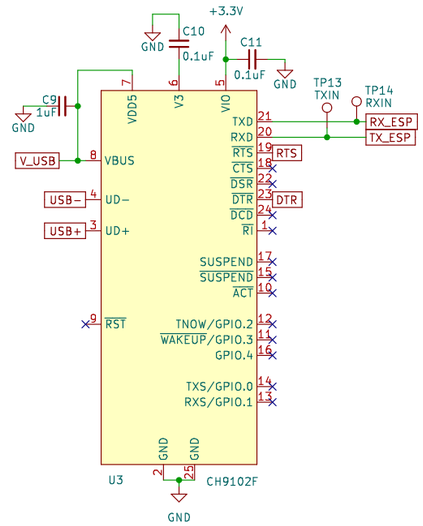
ESP32-PICO-D4 Datasheet:
"Pins IO16, IO17, CMD, CLK, SD0, SD1 and SD13
(25, 26, 30, 31, 32, 33, 29)
are used to connect the embedded flash,
and can not be used for other purposes.
For details, please see Section 6 Schematics."

Breakout

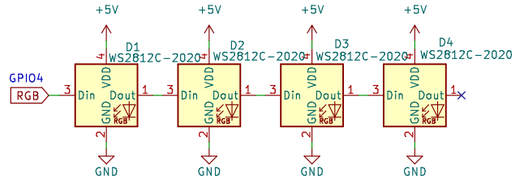
Breakout



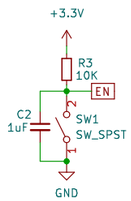
Programming



Visual Feedback RGB LEDs



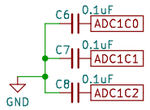
Reset



ADC

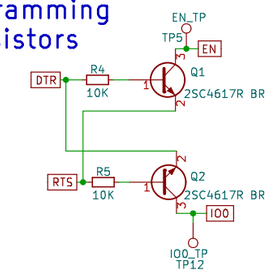
GPIO Assign

Filters

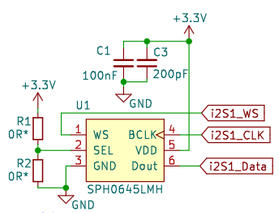


Filter Caps should
be placed close to MCU

Programming Transistors



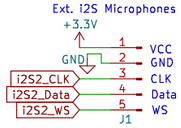
Microphone



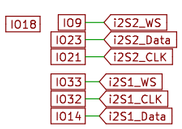
*Fit one resistor
to select Left
or Right Channel

Compatible i2S Microphones:
* SPH0645
* ICS-43434

Ext. i2S Microphones



Breakout



Power

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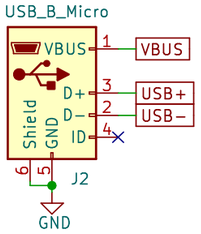
License: MIT
2P Battery Version
Team Open Smart Glasses
Sheet: /
File: OSSG_v0p4.kicad_sch

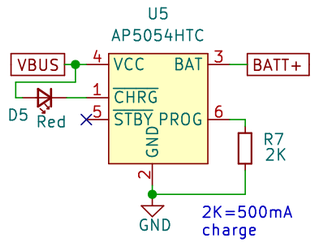
Title: Team OpenSource Smartglasses

Size: A3	Date: 2022-09-16	**Rev: V0.4b2**
KiCad E.D.A. kicad 6.0.7-f9a2dced07~116~ubuntu22.04.1		Id: 1/2

USB In



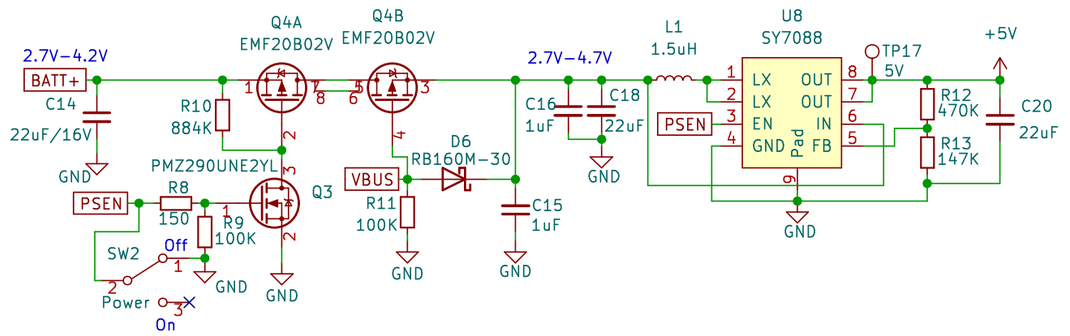
500mA LiPo Battery Charger



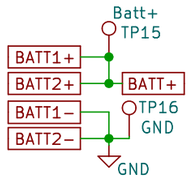
Power On/Off + Low Battery Isolation

Battery Bypass

2.7V–4.7V to 5V Boost

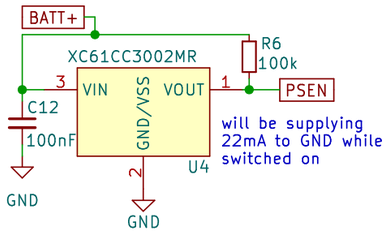


Battery Terminals

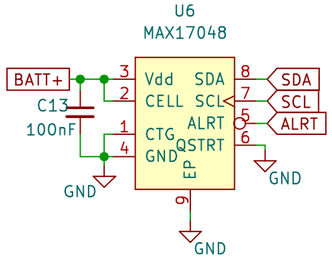


Dual LiPo
2.7V to 4.2V
500mA Batteries

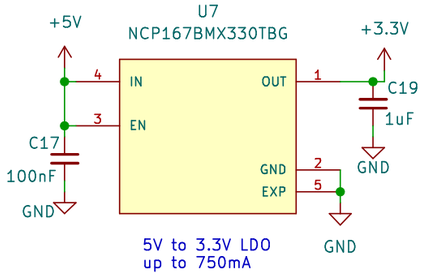
Voltage Supervisor



Battery Fuel Gauge



5V to 3.3V LDO



2P Battery Version

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File: Power.kicad_sch

Title: Team OpenSource Smartglasses

Size: A4	Date: 2022-09-16	**Rev: V0.4b2**
KiCad E.D.A. kicad 6.0.7-f9a2dced07~116~ubuntu22.04.1		Id: 2/2