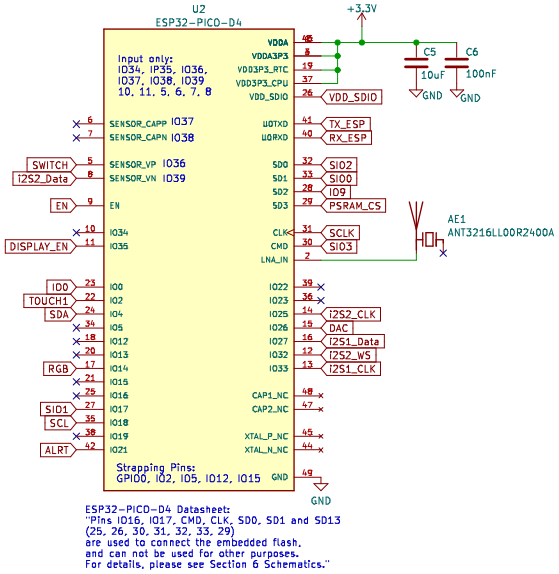
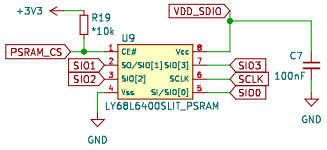
SOC



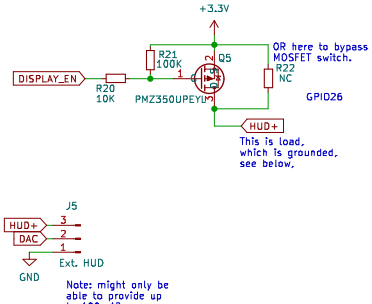
ESP32-PICO-D4 Datasheet:
"Pins IO16, IO17, CMD, CLK, SD0, SD1 and SD13
(25, 26, 30, 31, 32, 33, 29)
are used to connect the embedded flash,
and can not be used for other purposes.
For details, please see Section 6 Schematics."

PSRAM

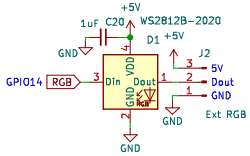


HUD

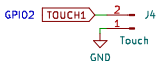
Display Power MOSFET Switch



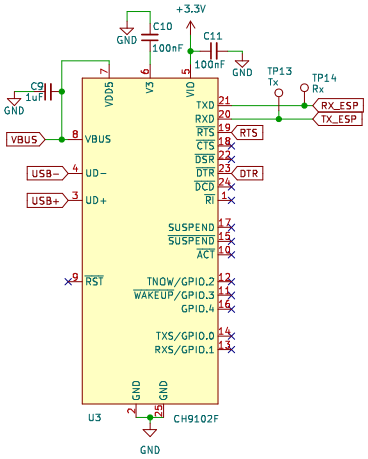
Visual Feedback RGB LEDs



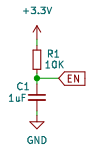
Touch



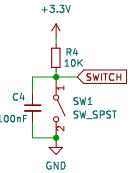
Programming



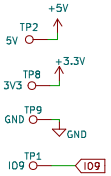
Reset



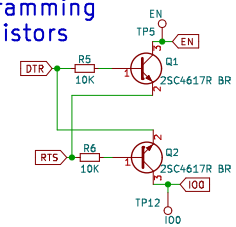
User Switch



ADC + Breakouts

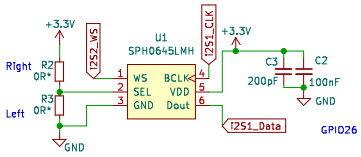


Programming Transistors



Microphones

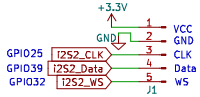
Internal I2S Microphone



*Fit one resistor to select Left or Right Channel

Compatible I2S Microphones:
* SPH0645
* ICS-43434

Ext. I2S Microphone



Power

Power

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MIT License

2P Battery Version – with SPRAM + Display

Team Open Smart Glasses

Sheet: /

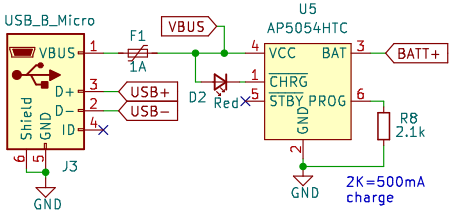
File: OSSG_v0p5.kicad_sch

Title: Team OpenSource Smartglasses

Size: A3	Date: 2022-10-18	**Rev: V0.5**
KiCad E.D.A. kicad 6.0.9-8da3e8f707-117-ubuntu22.04.1		Id: 1/2

USB In

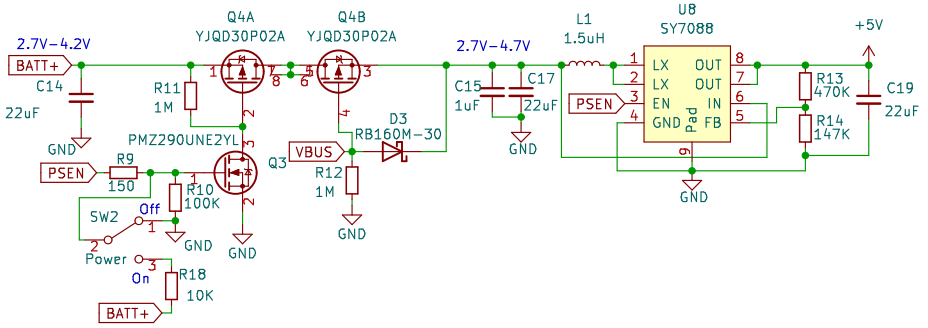
500mA LiPo Battery Charger



Power On/Off + Low Battery Isolation

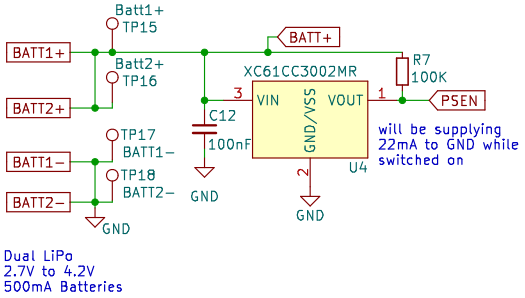
Battery Bypass

2.7V–4.7V to 5V Boost

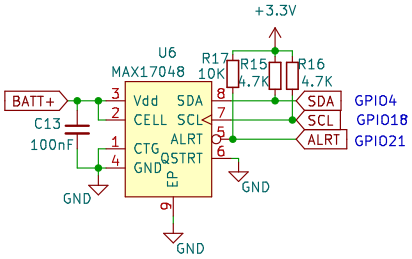


Battery Terminals

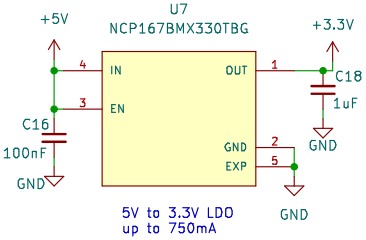
Voltage Supervisor



Battery Fuel Gauge



5V to 3.3V LDO



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2P Battery Version – with SPRAM + Display

Sheet: /Power/
File: Power.kicad_sch

Title: Team OpenSource Smartglasses

Size: A4	Date: 2022-10-18	**Rev: V0.5**
KiCad E.D.A. kicad 6.0.9-8da3e8f707~117~ubuntu22.04.1		Id: 2/2