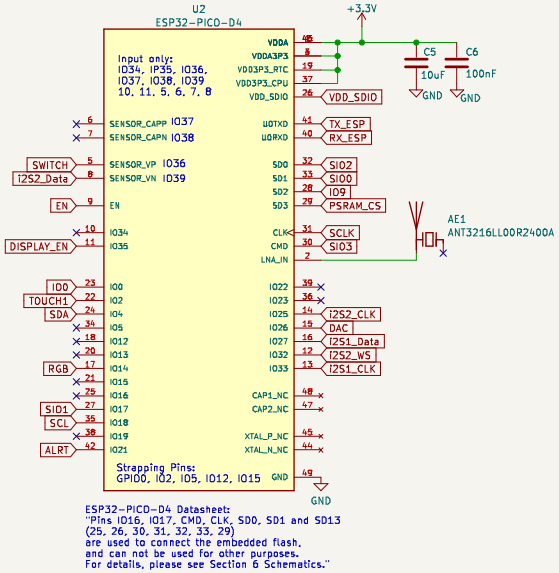
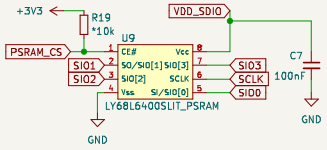
SOC



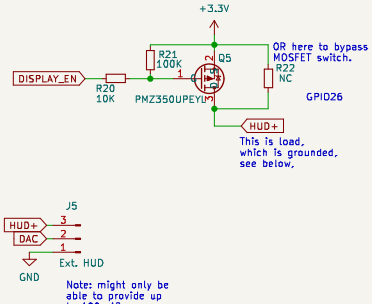
ESP32-PICO-D4 Datasheet:
"Pins IO16, IO17, CMD, CLK, SD0, SD1 and SD13
(25, 26, 30, 31, 32, 33, 29)
are used to connect the embedded flash,
and can not be used for other purposes.
For details, please see Section 6 Schematics."

PSRAM

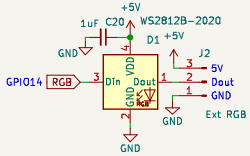


HUD

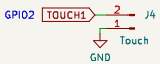
Display Power MOSFET Switch



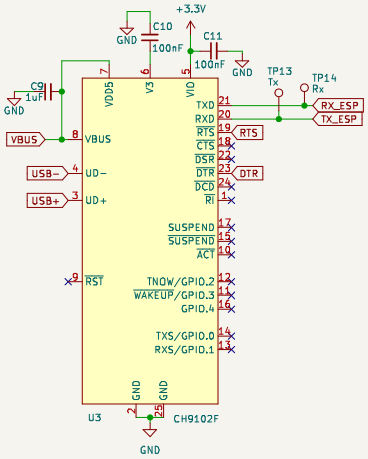
Visual Feedback RGB LEDs



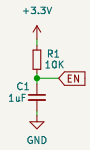
Touch



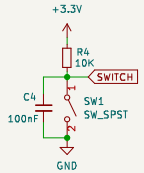
Programming



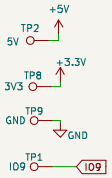
Reset



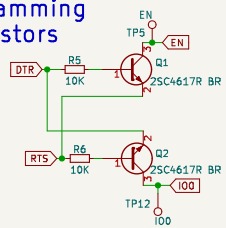
User Switch



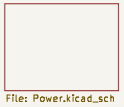
ADC + Breakouts



Programming Transistors

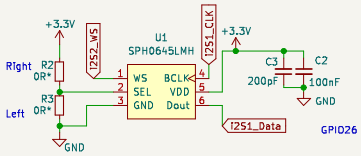


Power



Microphones

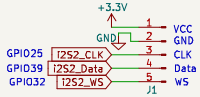
Internal I2S Microphone



*Fit one resistor to select Left or Right Channel

Compatible I2S Microphones:
* SPH0645
* ICS-43434

Ext. I2S Microphone



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Cayden Pierce, Paul Hamilton, Nicholas Gray

Team Open Smart Glasses

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Title: Open Source Smart Glasses

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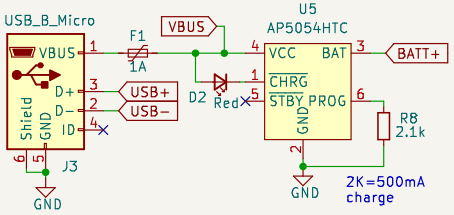
KiCad E.D.A. kicad 6.0.9-8da3e8f707-116-ubuntu22.04.1		Id: 1/2

USB In

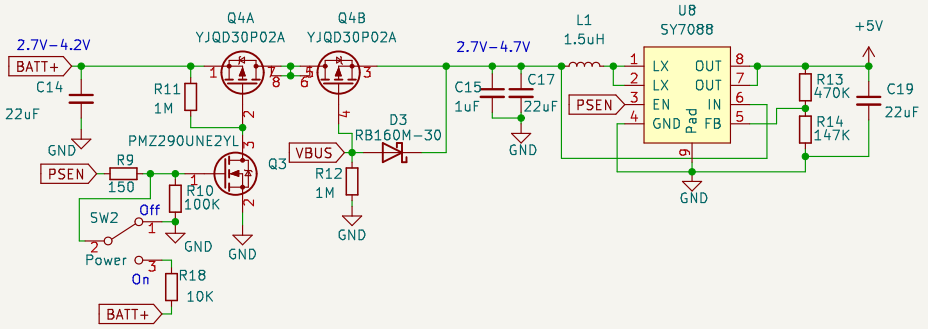
500mA LiPo Battery Charger



Power On/Off + Low Battery Isolation

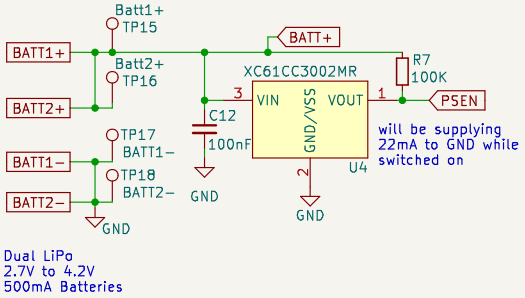
Battery Bypass

2.7V–4.7V to 5V Boost

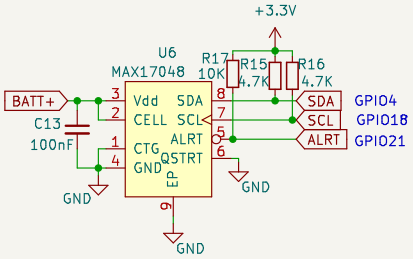


Battery Terminals

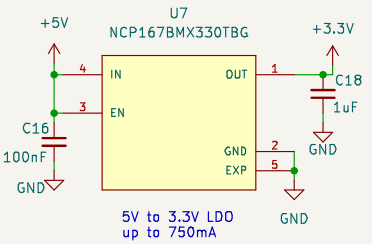
Voltage Supervisor



Battery Fuel Gauge



5V to 3.3V LDO



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Design: Paul Hamilton, Cayden Pierce

Team Open Smart Glasses

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File: Power.kicad_sch

Title: Open Source Smart Glasses

Size: A4	Date: 2022-10-14	**Rev: V0.4a**
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