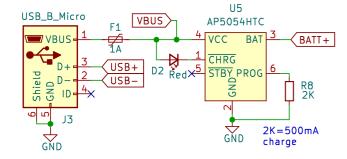
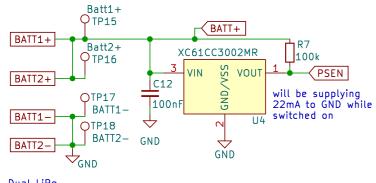
SOC Input only: 1034, IP35, 1036, 1037, 1038, 1039 10, 11, 5, 6, 7, 8 VDD3P3_CPU × 6 SENSOR_CAPP 1037 × 7 SENSOR_CAPN 1038 SWITCH 5 SENSOR_VP 1036 SENSOR_VN 1039 SD2 28 × SD3 29 × EN 9 AE1 HUH_ANT3216LL00R2400A SPARE 11 1035 100 23 100 102 102 102 104 104 104 1023 36 X 1025 14 Programming Visual Feedback RGB LEDs RGB 17 1uF C20 WS2812C-2020 D1 +5V GND D1 +5V CAP2_NC SCL 35 1018 38 1019 ALRT 42 1021 C9 1uF Touch GPI014 RGB XTAL_N_NC 44 × GND Ext RO Strapping Pins: GP100, 102, 105, 1012, 1015 GND Ext RGB VBUS VBUS ESP32-PICO-D4 Datasheet: "Pins 1016, 1017, 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." USB- 4 UD-GPI02 TOUCH1 USB+ 3 UD+ Touch TXS/GPI0.0 14 RXS/GPI0.1 13 Programming ADC + Reset User Switch EN_TP TP5 EN Transistors **Breakouts** +3.3V CH9102F TP2 1 2SC4617R BR GND SWITCH SW1 SW_SPST GND GND 2SC4617R BR 100 TP12 | 100 DAC GPI026 Microphone Ext. i2S Microphones +3.3V MP23DB01HPTR GP1033 R2 GPIUJJ OR* Ti2S1_CLK Ŭ GND MIT License i2S1_Data GPI026 2P Battery Version Team Open Smart Glasses *Fit one resistor to select Left or Right Channel File: Power.kicad_sch Sheet: / File: OSSG_v0p4.kicad_sch Compatible PDM Microphones: * MP23DB01HPCT Digikey: 497-MP23BB01HPCT-ND A\$2.75/10 * MP23DB01HPTR Mouser: 511-MP23DB01HPTR A\$2.62/10 * GMA3526H10-B26 LCSC: C498192 A\$1.33/10 Compatible i2S Microphones: * SPH0645 * ICS-43434 Title: Team OpenSource Smartglasses Size: A3 Date: 2022-09-18 KiCad E.D.A. kicad 6.0.7-f9a2dced07-116-ubuntu22.04.1 Rev: V0.4b4

USB In Sattery Charger



Battery Voltage Terminals Supervisor

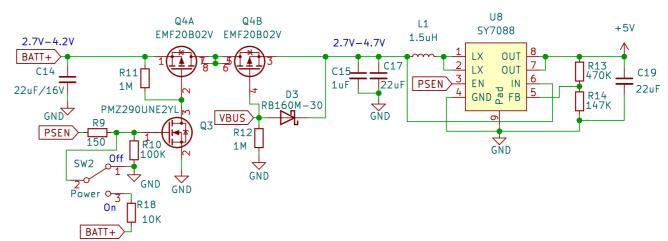


Dual LiPo 2.7V to 4.2V 500mA Batteries

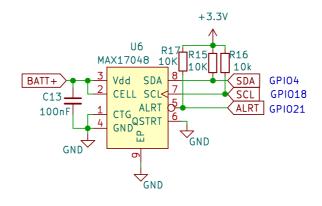
Power On/Off + Low Battery Isolation

Battery Bypass

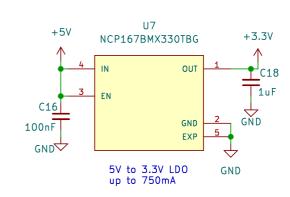
2.7V-4.7V to 5V Boost



Battery Fuel Gauge



5V to 3.3V LDO



MIT License 2P Battery Version

Sheet: /Power/ File: Power.kicad_sch

Title: Team OpenSource Smartglasses

 Size: A4
 Date: 2022-09-18
 Rev: V0.4b4

 KiCad E.D.A. kicad 6.0.7-f9a2dced07~116~ubuntu22.04.1
 Id: 2/2