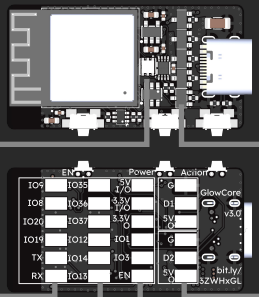
GlowCore
v3.0

Pinout

- recommended for SPI **
- recommended for I2C **
- recommended for I2S **
- can be used for analog input signals
- can be used for touch inputs
- can be used for USB Serial, USB OTG, JTAG
- can be used for UART
- pins remain usable in deep sleep
- outputs 5V data signal



Status LED (SK9822):

- GPIO 40 — STATUS LED DATA
- GPIO 39 — STATUS LED CLOCK

- GPIO 16 — LED POWER MOSFETS
- GPIO 15 — LED POWER LETCH

- GPIO 9 — SCL / ADC1 / TOUCH 9 / RTC GPIO 9
- GPIO 8 — SDA / ADC1 / TOUCH 8 / RTC GPIO 8
- GPIO 20 — USB D+ / ADC2 / RTC GPIO 20
- GPIO 19 — USB D- / ADC2 / RTC GPIO 19
- GPIO 43 — TX
- GPIO 44 — RX

- GPIO 35 — MOSI
- GPIO 36 — SCK
- GPIO 37 — MISO
- GPIO 12 — WS / ADC2 / TOUCH 12 / RTC GPIO 12
- GPIO 14 — SD / ADC2 / TOUCH 14 / RTC GPIO 14
- GPIO 13 — SCK / ADC2 / TOUCH 13 / RTC GPIO 13

- 5V IN/OUT
- 3.3V IN/OUT
- 3.3V OUT
- GPIO 1 — POWER BUTTON
- GPIO 3 — ACTION BUTTON
- EN/RESET

- GND
- GPIO 42 — LED 1 DATA OUT
- 5V OUT
- GND
- GPIO 41 — LED 2 DATA OUT
- 5V OUT

GPIO 1 — POWER BUTTON ***

Press

- Standby Mode *

Press **Press**

- Turn off/on WiFi

GPIO 3 — ACTION BUTTON ***

Press

- Next LED preset

Press **Hold**

- Change brightness

While holding the button, the brightness first decreases and once the minimum is reached, it increases again.

* To turn on again, press the **POWER BUTTON** once.
** Every GPIO pin can be used for: I2C, SPI, I2S
*** Pull to GND, to trigger button (For your code, keep in mind: LOW signal will be inverted to HIGH on GlowCore)

Button presets require GlowOS 0.15 or newer installed on GlowCore.

open source hardware

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