

# GlowCore v3.0 Pinout

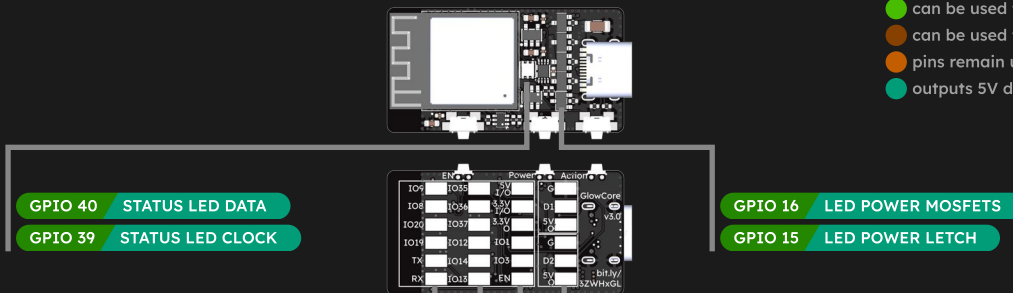
Learn how to connect additional components to your GlowCore.

[glowcore.glowingkitty.com](https://glowcore.glowingkitty.com)



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- 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



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.

