GlowCore
v2.0

Pinout
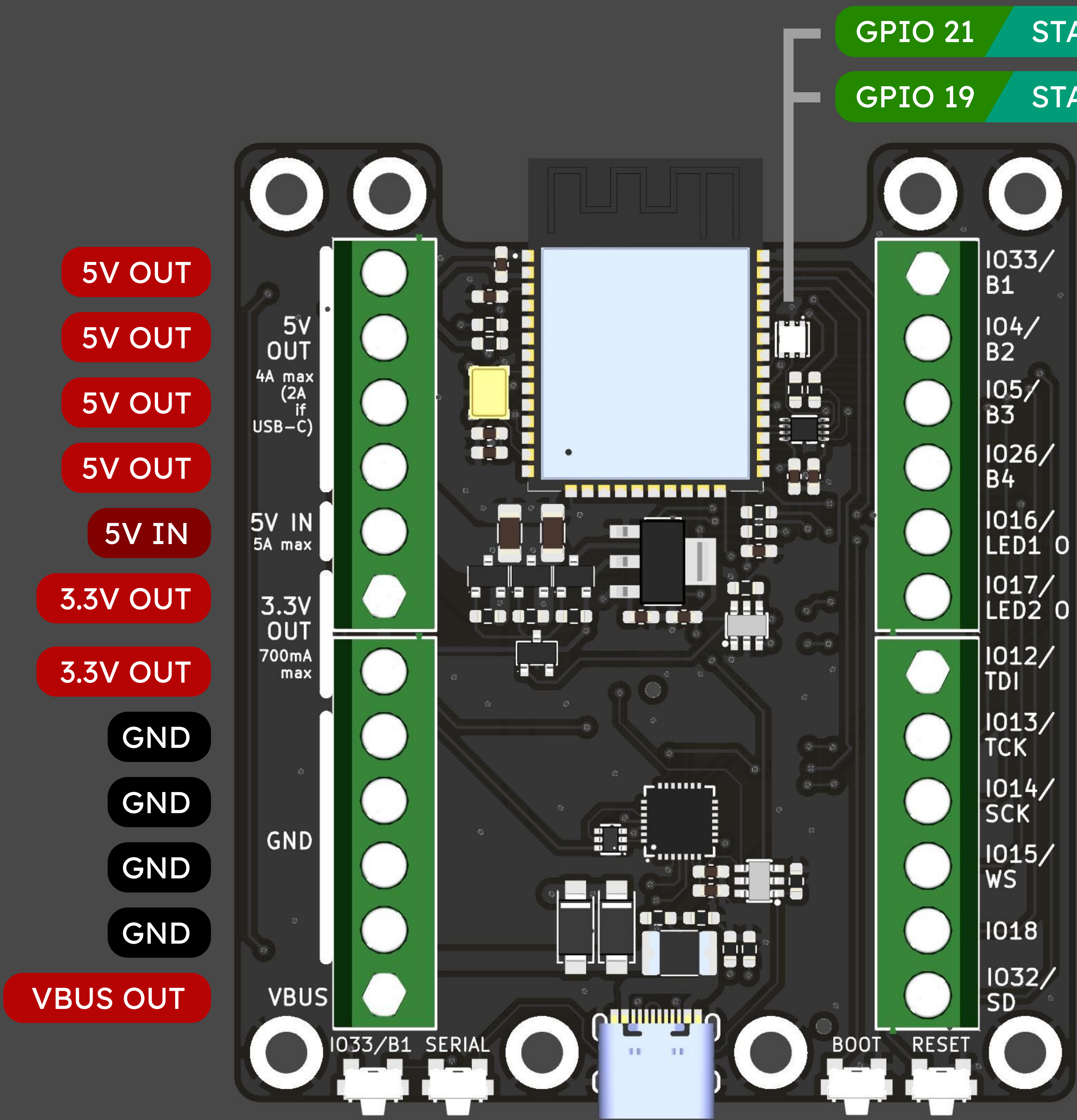
used for internal hardware
can be used for JTAG debugging hardware
can be used for SPI
can be used for analog signals
can be used for touch inputs
pins remain usable in deep sleep
recommended for I2C

GPIO 21 — STATUS LED DATA
GPIO 19 — STATUS LED CLOCK

5V OUT
5V OUT
5V OUT
5V OUT
5V IN
3.3V OUT
3.3V OUT
GND
GND
GND
GND
VBUS OUT

5V OUT 4A max (2A if USB-C)
5V IN 5A max
3.3V OUT 700mA max
GND
VBUS

IO33/B1 SERIAL   BOOT   RESET

IO33/B1
IO4/B2
IO5/B3
IO26/B4
IO16/LED1 O
IO17/LED2 O
IO12/TDI
IO13/TCK
IO14/SCK
IO15/WS
IO18
IO32/SD

GPIO 33 — Button 1 — ADC1 — TOUCH8 — RTC GPIO8
GPIO 4 — Button 2 — ADC2 — TOUCH0 — RTC GPIO10
GPIO 5 — Button 3
GPIO 26 — Button 4 — ADC2 — RTC GPIO7
GPIO 16 — LED 1 DATA OUT
GPIO 17 — LED 2 DATA OUT
GPIO 12 — MTDI — ADC2 — TOUCH5 — RTC GPIO15 — HSPI MISO
GPIO 13 — MTCK — ADC2 — TOUCH4 — RTC GPIO14 — HSPI MOSI — I2C SDA
GPIO 14 — MTMS — ADC2 — TOUCH6 — RTC GPIO16 — HSPI SCLK — MICROPHONE SCK
GPIO 15 — MTMO — ADC2 — TOUCH3 — RTC GPIO13 — HSPI CS — MICROPHONE WS
GPIO 18 — I2C SCL
GPIO 32 — ADC1 — RTC GPIO9 — MICROPHONE SD

GlowCore
Dev Board PCB v2.0

designed by
glowing kitty

Status LED:
DATA: IO21
CLK: IO19

5V OUT always on

Serial always on

Microphone on

IO2
IO22/LED LETCH EN
IO23/POWERMOSFETS
IO25/VBUS
IO27
SENSOR VP
SENSOR VN

TOUCH2 — ADC2 — GPIO 2
LED POWER RELAY ALLOW UPDATE — GPIO 22
LED POWER RELAY — GPIO 23
DETECT USB-C PRESENT — GPIO 25
RTC GPIO17 — TOUCH7 — ADC2 — GPIO 27
SENSOR VP
SENSOR VN

IO33/B1
IO4/B2
5V OUT 4A max (2A if USB-C)
5V IN 5A max
3.3V OUT 700mA max
GND
VBUS

IO15/WS
IO18
IO32/SD

open source hardware

PCB files:
https://bit.ly/35dx8zK

Download PDF:
bit.ly/3P3ZSO1

glowcore.glowingkitty.com