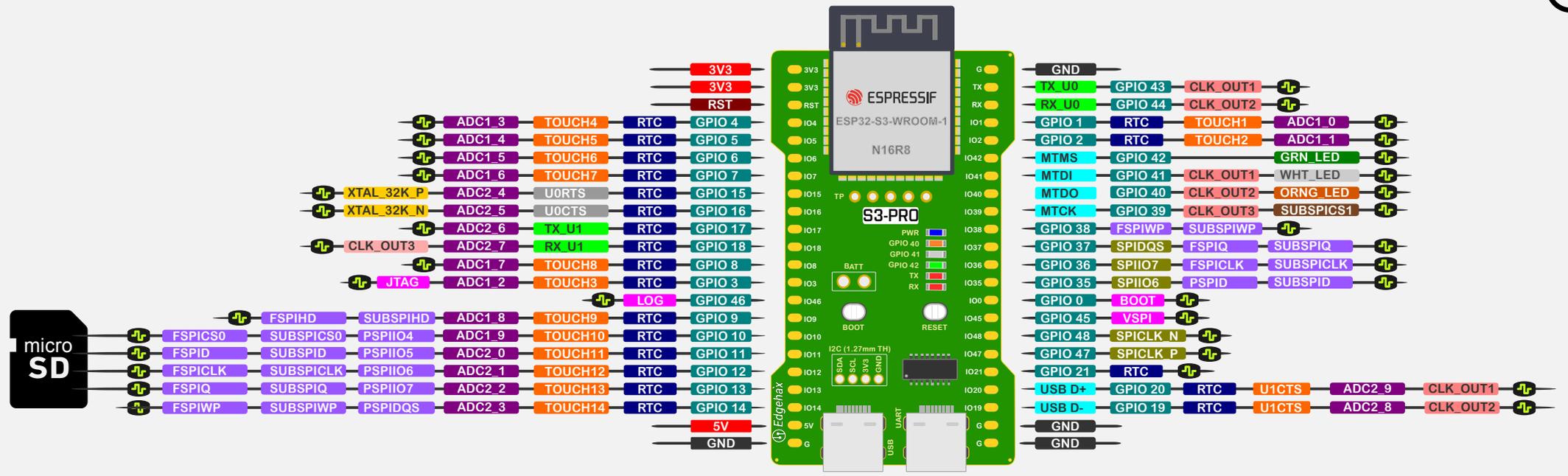


ESP32 S3 Pinout

ESP32 S3 WROOM N16R8 Dev Kit Pinout



ESP32-S3 Specs

- 32-bit Xtensa® dual-core @240MHz
- Wi-Fi IEEE 802.11 b/g/n 2.4GHz + BLE 5 Mesh
- 512 KB SRAM (16 KB SRAM in RTC)
- 384 KB ROM
- 45 GPIOs, 4x SPI, 3x UART, 2x I2C,

FLASH & PSRAM

- 16MB Flash
- 8MB PSRAM

POWER

- DC 5V USB Type-C
- Battery Connector on-board (2 pin - 1.27mm Pitch)

SENSOR CONNECT

- I2C on-board connector (4 pin - 1.27mm Pitch)

STORAGE

- microSD Card Slot on-board
- Upto 64GB (Class 10)

LEGEND

	Ground
	Power / VCC
	JTAG for debugging and USB
	GPIO Input / Output
	Analog to Digital Convertor
	Touch sensor input channel
	Serial for debug / programming
	Strapping pin functions
	RTC power domain
	Clock Output
	Miscellaneous/SPI
	Miscellaneous/SPI
	PWM capable pin