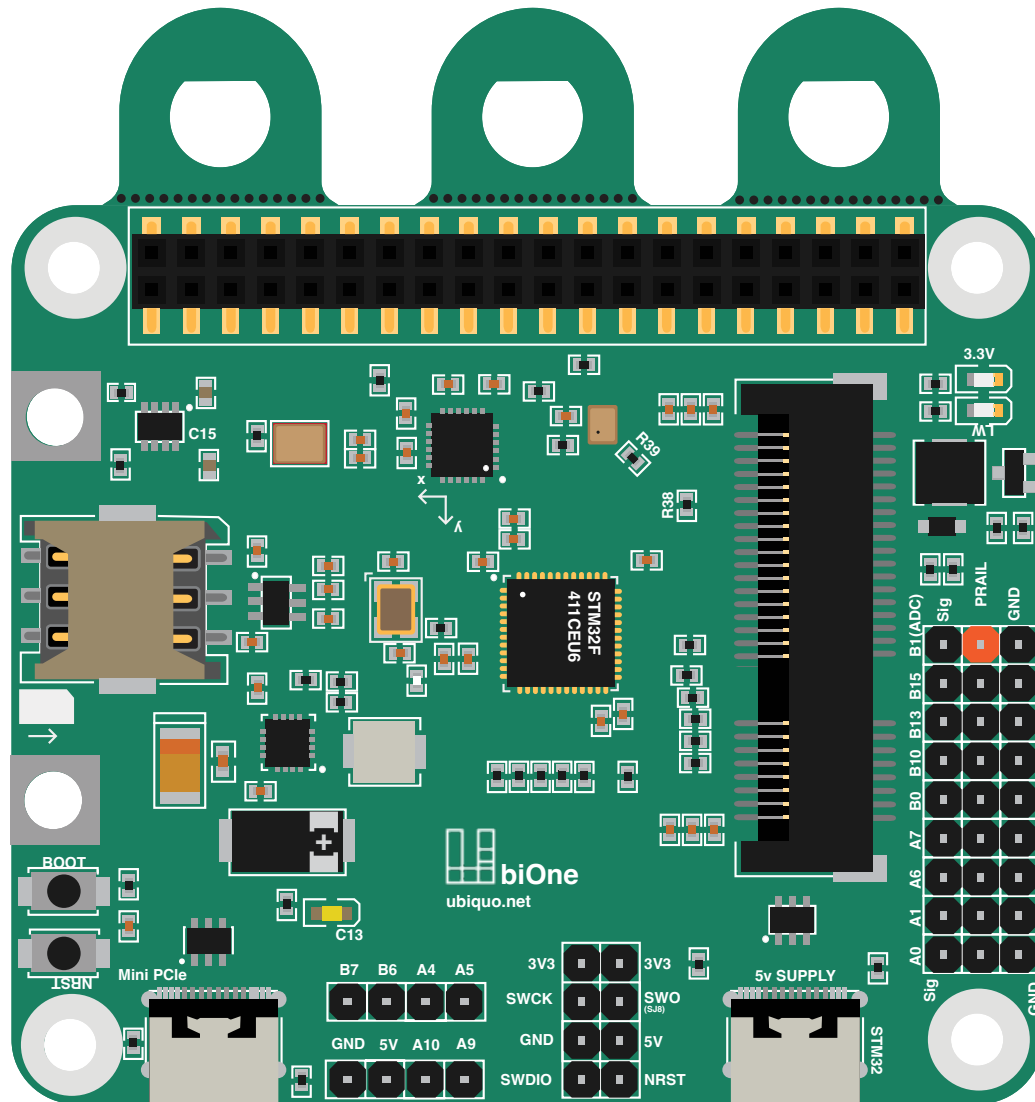# UbiOne

RPI HAT with STM32 + 5G/4G Mini-PCIe + Sensors

MCU - **STM32F411**

IMU - **ICM-20689**

Pressure - **SPL06-001**

MIC - **SPH0645**

Buzzer - **KLJ-4020**

STM32	RPI
PB9	GPIO2/SDA (SJ1)
PB8	GPIO3/SCL (SJ2)
PA3	GPIO14/TX
PA2	GPIO15/RX

STM32/SPI3	IMU
PB4	MISO
PB5	MOSI
PB3	SCK
PB12	CS
PC14	INT

STM32	mPCIe
PA10	TX
PA9	RX
PA8	RI
PA15	DTR
PA4 (SJ3)	WAKE
PA5 (S47)	W_DISABLE

STM32	BARO
PB9	SDA
PB8	SCL

STM32	PERIPHERAL
PB14	BUZZER
PC13	LED
PC15	RPI_5V_EN

RPI	MICROPHONE
GPIO18	BCLK
GPIO19	WS
GPIO20	DATA

BIQUO