

SparkFun Pro RF-LoRa 915MHz (SAMD21) (WRL-15836)

Key

Name	ADC
Power	Ext. Interrupt
GND	Serial
Control	SERCOM
Arduino	Timer
Port	PTC
Misc	

Note: Each I/O pin is accompanied by GND on the outside edges of the board as indicated by the white silkscreen.

		Micro B USB			
		Switch		Reset Button	
		Switch	SWITCH	CHG	LiPo
		RAW: 3.5V-6.0V	RAW	GND	GND
		3.3V Output	3V3	MISO	MISO
I2S/SD[0]	PTC:Y5	TCC1:1/0:3	SER0:3	MOSI	MOSI
		EXTINT7	AIN7	SCK	SCK
I2S/SD[1]	PTC:X0	TCC0:0/1:2	SER0:0/2:0	A4	A4
		NMI	AIN16	A3	A3
I2S/MCK[0]	PTC:X1	TCC0:1/1:3	SER0:1/2:1	A2	A2
		*EXTINT9	AIN17	A1	A1
		XIN	TC3:0/TCC0:4	PA09	D3 ~ D3
			SER2:2/4:2	EXTINT14	PA14
			*EXTINT14	PA14	D2
		XOUT	TC3:1/TCC0:5	SER2:3/4:3	EXTINT15
			EXTINT15	PA15	D5 ~ D5
				RESET	/RST
I2S/SCK[0]	PTC:X2	TCC1:0/0:2	SER0:2/2:2	TX	TX
		TX0	EXTINT10	AIN18	PA10
I2S/FS[0]	PTC:X3	TCC1:1/0:3	SER0:3/2:3	RXI	EXTINT11
			EXTINT11	AIN19	PA11
				D0	0/RX
				ANT	ANTENNA

Qwiic Enabled I²C

Power

RAW: 3.5V-6.0V
 VCC: 600mA @3.3V
 Each pin is 3.3V tolerant and can source/sink no more than 7mA/10mA
 Each cluster of I/O pins can source 46mA and sink 65mA:
 Cluster 1: D2, D5, D13, USB D-, USB D+, SCL, SDA, MISO, MOSI, SCK.
 Cluster 2: A1, A2, A3, A4, D9.
 Cluster 3: A0, A5, RX_LED.
 Cluster 3: TX_LED.

SAMD21G18

VCC: 1.62-3.63V
 Arm Cortex-M0 + (32-bit)
 Flash Memory: 256KB
 SRAM: 32KB
 ADC: 12-bit
 48MHz
 RTC
 USB 2.1 with USB host capability
 8-bit PWM pins marked with ~

LEDs

Power: Red
 D13 (PIN_LED_13): Blue
 TX (PIN_LED_TXL): Green
 RX (PIN_LED_RXL): Yellow
 CHG LED : Yellow

Serial

USB: SerialUSB
 Hardware Serial: Serial1

