

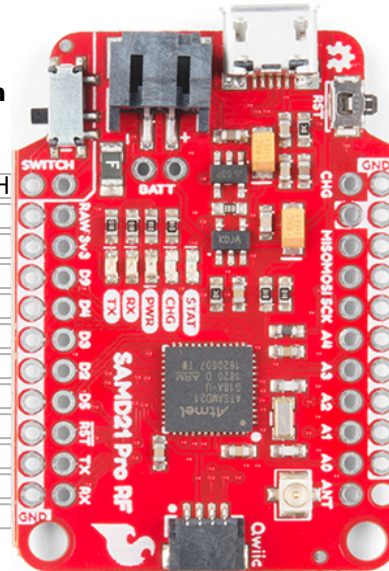
# SparkFun Pro RF-LoRa 915MHz(SamD21) (WRL-14916)

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

Micro B USB

Switch

Reset Button



Switch SWITCH

RAW: 3.5V-6.0V RAW

3.3V Output 3V3

GND GND

CHG LiPo

GND GND

MISO MISO

MOSI MOSI

SCK SCK

A4 A4 PA05 AIN5 EXTINT5 SER0:1 TC0:1 PTC:Y3

A3 A3 PA04 AIN4 EXTINT4 SER0:0 TC0:0 PTC:Y2

A2 A2 PB09 AIN3 EXTINT9 SER4:1 TC4:1 PTC:Y15

A1 A1 PB08 AIN2 EXTINT8 SER4:0 TC4:0 PTC:Y14

A0 A0 PA02 AIN0 EXTINT2 PTC:Y0 DAC

ANT ANTENNA

I2S/SD[0] PTC:Y5 TCC1:1/0:3 SER0:3 EXTINT7 AIN7 PA07 D9 ~ D9

I2S/SD[1] PTC:X0 TCC0:0/1:2 SER0:0/2:0\* NMI AIN16 PA08 D4 ~ D4

I2S/MCK[0] PTC:X1 TCC0:1/1:3 SER0:1/2:1\* EXTINT9 AIN17 PA09 D3 ~ D3

XIN TC3:0/TCC0:4 SER2:2/4:2\* EXTINT14 PA14 D2 D2

XOUT TC3:1/TCC0:5 SER2:3/4:3 EXTINT15 PA15 D5 ~ D5

RESET /RST

I2S/SCK[0] PTC:X2 TCC1:0/0:2 SER0:2/2:2 TX0 EXTINT10 AIN18 PA10 D1 1/TX

I2S/FS[0] PTC:X3 TCC1:1/0:3 SER0:3/2:3 RXI EXTINT11 AIN19 PA11 D0 0/RX

Qwiic Enabled I<sup>2</sup>C

## 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

