SparkFun Pro RF-LoRa 915MHz (SAMD21)
(WRL-14916)

Key

Name	ADC
Power	Ext. Interupt
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

Qwiic Enabled I²C

Left side pins (top to bottom):

				Switch	SWITCH			
				RAW: 3.5V-6.0V	RAW			
				3.3V Output	3V3			
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

Right side pins (top to bottom):

CHG	LiPo						
GND	GND						
MISO	MISO						
MOSI	MOSI						
SCK	SCK						
A4	A4	PA05	AIN5	EXTIN5	SER0:1	TC0:1	PTC:Y3
A3	A3	PA04	AIN4	EXTINT4	SER0:0	TCC0:0	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						

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