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

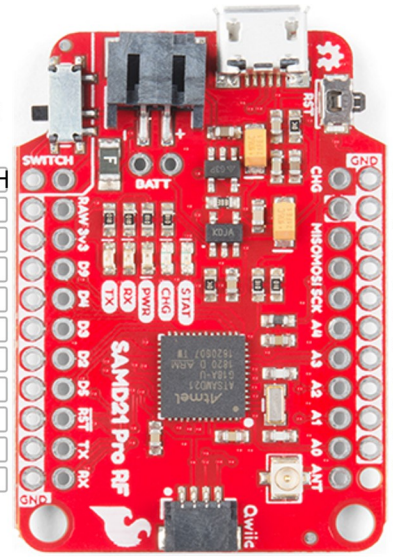
Key

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

Micro B USB

Switch

Reset Button



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

								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								

										CHG	LiPo						
										GND	GND						
										MISO	MISO						
										MOSI	MOSI						
										SCK	SCK						
										A4	A4	PA05	AIN5	EXTIN5	SER0:1		
										A3	A3	PA04	AIN4	EXTINT4	SER0:0		
										A2	A2	PB09	AIN3	EXTINT9	SER4:1		
										A1	A1	PB08	AIN2	EXTINT8	SER4:0		
										A0	A0	PA02	AIN0	EXTINT2	PTC:Y0		
										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