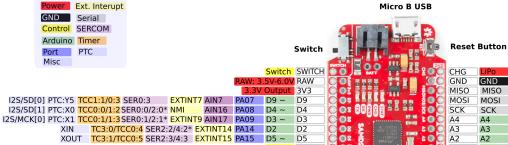
# SparkFun Pro RF-LoRa 915MHz (SAMD21) (WRL-14916)



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



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

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	ANTEN	NA					

Qwiic Enabled | |2C

#### 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: TX\_LED.
Cluster 3: TX\_LED.

## SAMD21G18

RESET /RST

1/TX

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

GND

USB: SerialUSB Hardware Serial: Serial1

