RGB Station v1.2 pins

GND
5V in
micro B USB

5V in/out **5V**
GND
Up to 100mA out, or 3.3V in **3.3V**

RB13		A0	0
RA10 ★	LED		1
RA7 ★			2
RB14	SCK	A1	3
RB15		A2	4
RA0	SS	A3	5
RA1		A4	6
RB0		A5	7
RB1		A6	8
RB2		A7	9
RB3		A8	10
RC0		A9	11
RC1		A10	12
RC2		A11	13
RA2	OSC1		14
RA3	OSC2		15
RA8 ★	PRG		16

5V in/out **5V**
GND
Up to 100mA out, or 3.3V in **3.3V**

MCLR ★			
32		D-	RB11
31		D+	RB10
30			RC9 ★
29			RC8 ★
28			RC7 ★
27			RC6 ★
26	SDA1	TX2	RB9 ★
25	SCL1	RX2	RB8 ★
24			RB7 ★
23		USBID	RB5 ★
22			RC5 ★
21			RC4 ★
20	A12		RC3
19	MISO		RA9 ★
18	MOSI	RX1	RA4
17		TX1	RB4

5V power to LED strip **5V**
ADA102 (DotStar) Clock **3**
WS2810 (NeoPixel) and ADA102 (DotStar) Data **18**
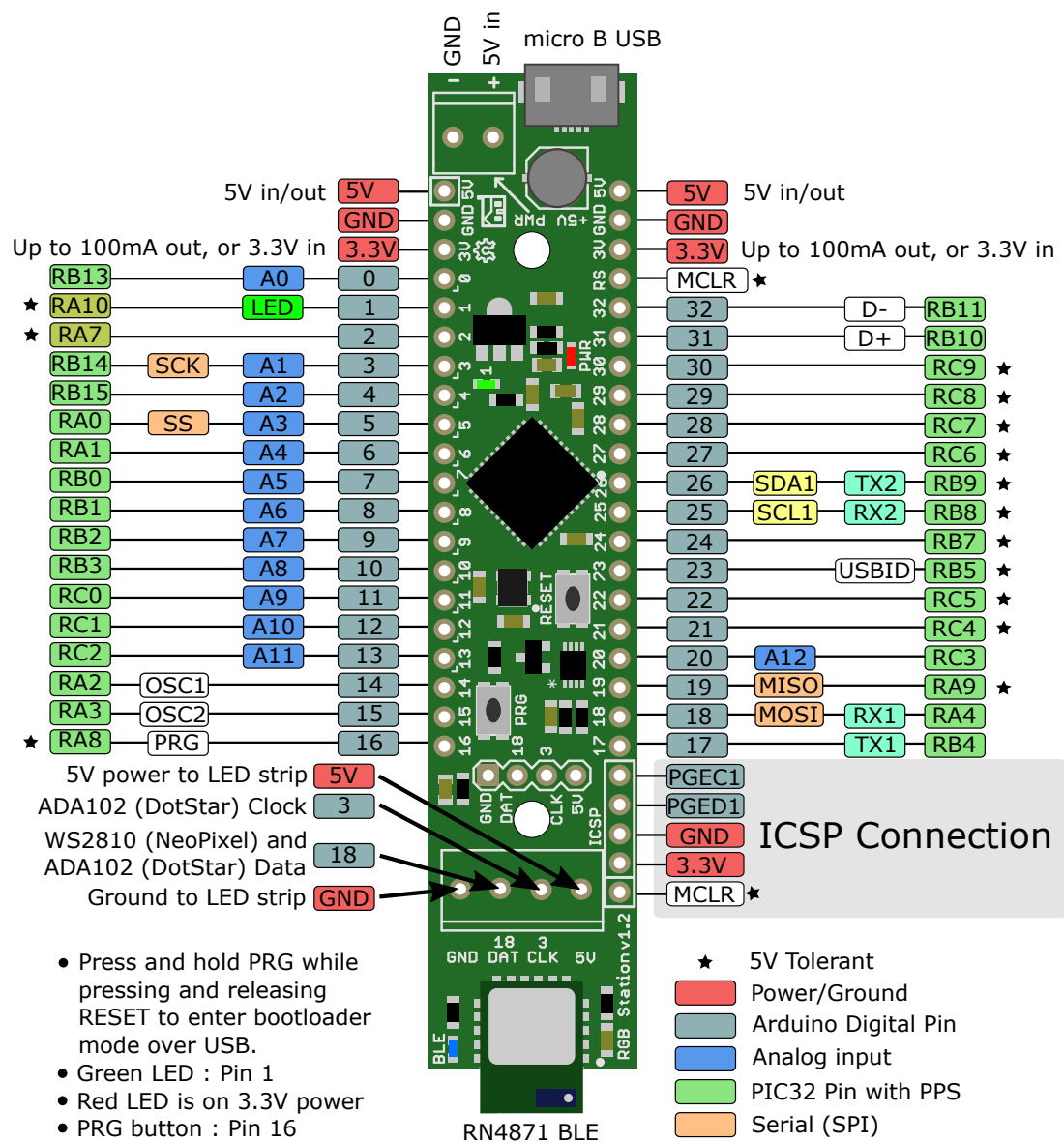Ground to LED strip **GND**

18 3
GND DAT CLK 5V

RGB Station v1.2

BLE

RN4871 BLE

- Press and hold PRG while pressing and releasing RESET to enter bootloader mode over USB.
- Green LED : Pin 1
- Red LED is on 3.3V power
- PRG button : Pin 16
- USB : `Serial`
- TX1/RX1 : `Serial0`
  TX2/RX2 : `Serial1`
- PPS = Peripheral Pin Select
  This includes SPI/UART/INT/OC/PWM/etc.
  Note that each periperhal can not be mapped to any PPS pin, but only 8 of the possible 31.
- Power input through USB, 5V, or 3.3V pins

PGEC1	
PGED1	
GND	ICSP Connection
3.3V	
MCLR ★	

★ 5V Tolerant
Power/Ground
Arduino Digital Pin
Analog input
PIC32 Pin with PPS
Serial (SPI)
Serial (I2C)
Serial (UART)
PIC32 Pin no PPS
Default configuration uses these pins (for USB, crystal, PRG button, etc.) and they are not available for general purpose GPIO unless the confuguration is changed.