

Legend :

Power

Power Input

Power Output

Ground

GPIO Digital External

Analog External

Main Part

Internal Component

Other Pins (Reset, System Contrl, Debugging)

I2C

SPI

Default

Default

LED

i CIP0/COPI have previously been referred ot as MISO/MOSI



NANO **ESP32**
BOARD

SKU code: ABX00083
Full Pinout - Page 1 of 4
Last update: 6 Jul, 2023

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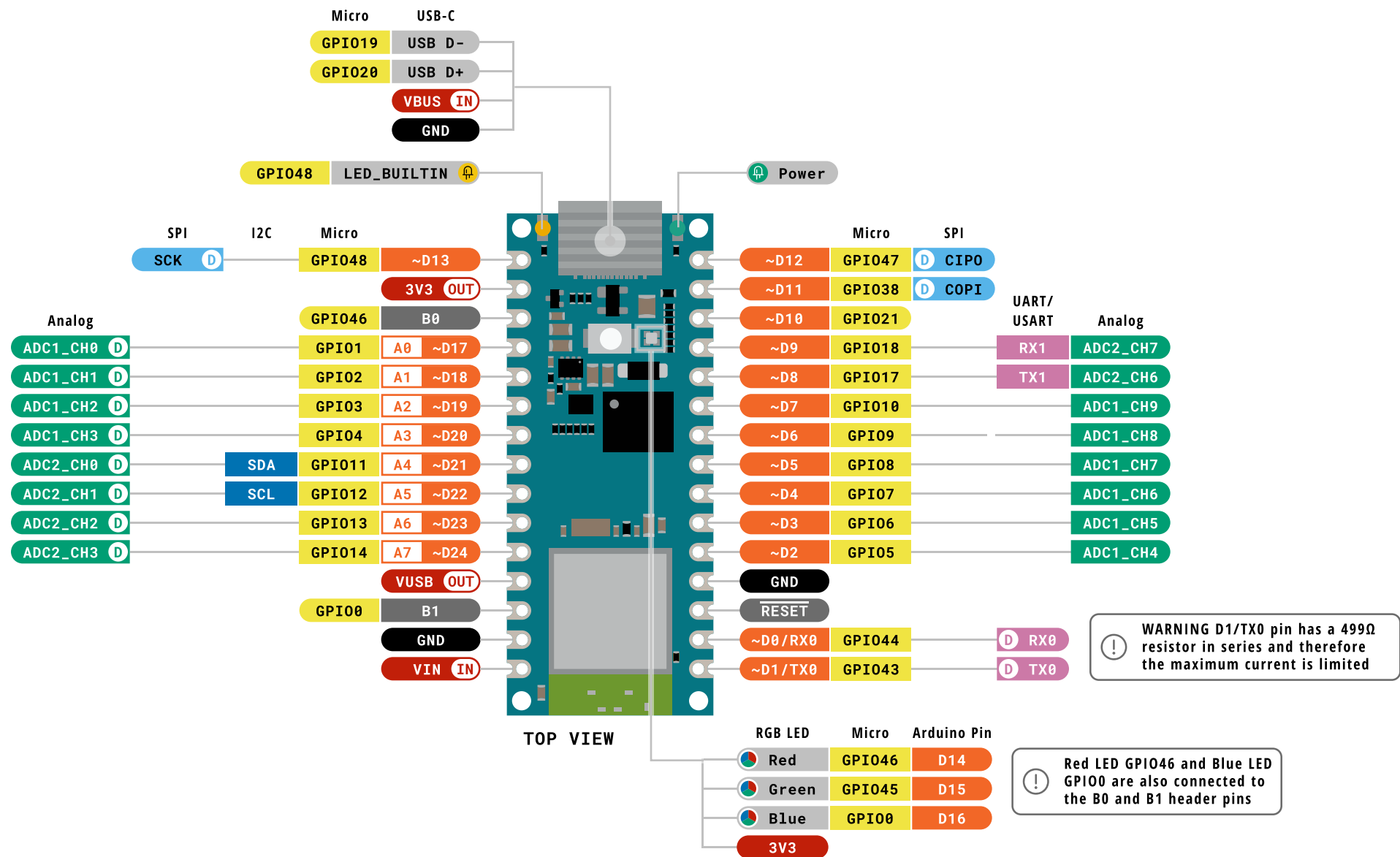
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WARNING!

Advanced Section

The following information is for advanced use only and
may not be officially supported by Arduino software





Legend :

Power	Power Input	GPIO Digital External	I2C	Default	LED
Ground	Power Output	Analog External	SPI	Default	
		Main Part	UART/USART	Default	
		Internal Component	Other SERIAL Communication		
		Other Pins (Reset, System Contrl, Debugging)	Analog	Default	

GPIO48 LED_BUILTIN

Power

Micro USB-C

GPIO19 USB D-

GPIO20 USB D+

VBUS IN

GND

SPI SCK

I2C

Micro

GPIO48 ~D13

3V3 OUT

GPIO46 B0

GPIO1 A0 ~D17

GPIO2 A1 ~D18

GPIO3 A2 ~D19

GPIO4 A3 ~D20

GPIO11 A4 ~D21

GPIO12 A5 ~D22

GPIO13 A6 ~D23

GPIO14 A7 ~D24

VUSB OUT

GPIO0 B1

GND

VIN IN

Micro

GPIO47 CIP0

GPIO38 COPI

GPIO21

GPIO18

GPIO17

GPIO10

GPIO9

GPIO8

GPIO7

GPIO6

GPIO5

GND

RESET

~D0/RX0 GPIO44

~D1/TX0 GPIO43

UART/USART

RX1

TX1

Analog

ADC2_CH7

ADC2_CH6

ADC1_CH9

ADC1_CH8

ADC1_CH7

ADC1_CH6

ADC1_CH5

ADC1_CH4

Warning: D1/TX0 pin has a 499Ω resistor in series and therefore the maximum current is limited

Red LED GPIO46 and Blue LED GPIO00 are also connected to the B0 and B1 header pins

RGB LED

Red GPIO46 D14

Green GPIO45 D15

Blue GPIO00 D16

3V3

GPIO48 LED_BUILTIN

Power

Micro USB-C

GPIO19 USB D-

GPIO20 USB D+

VBUS IN

GND

SPI SCK

I2C

Micro

GPIO48 ~D13

3V3 OUT

GPIO46 B0

GPIO1 A0 ~D17

GPIO2 A1 ~D18

GPIO3 A2 ~D19

GPIO4 A3 ~D20

GPIO11 A4 ~D21

GPIO12 A5 ~D22

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GPIO14 A7 ~D24

VUSB OUT

GPIO0 B1

GND

VIN IN

Micro

GPIO47 CIP0

GPIO38 COPI

GPIO21

GPIO18

GPIO17

GPIO10

GPIO9

GPIO8

GPIO7

GPIO6

GPIO5

GND

RESET

~D0/RX0 GPIO44

~D1/TX0 GPIO43

UART/USART

RX1

TX1

Analog

ADC2_CH7

ADC2_CH6

ADC1_CH9

ADC1_CH8

ADC1_CH7

ADC1_CH6

ADC1_CH5

ADC1_CH4

Warning: D1/TX0 pin has a 499Ω resistor in series and therefore the maximum current is limited

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RGB LED

Red GPIO46 D14

Green GPIO45 D15

Blue GPIO00 D16

3V3

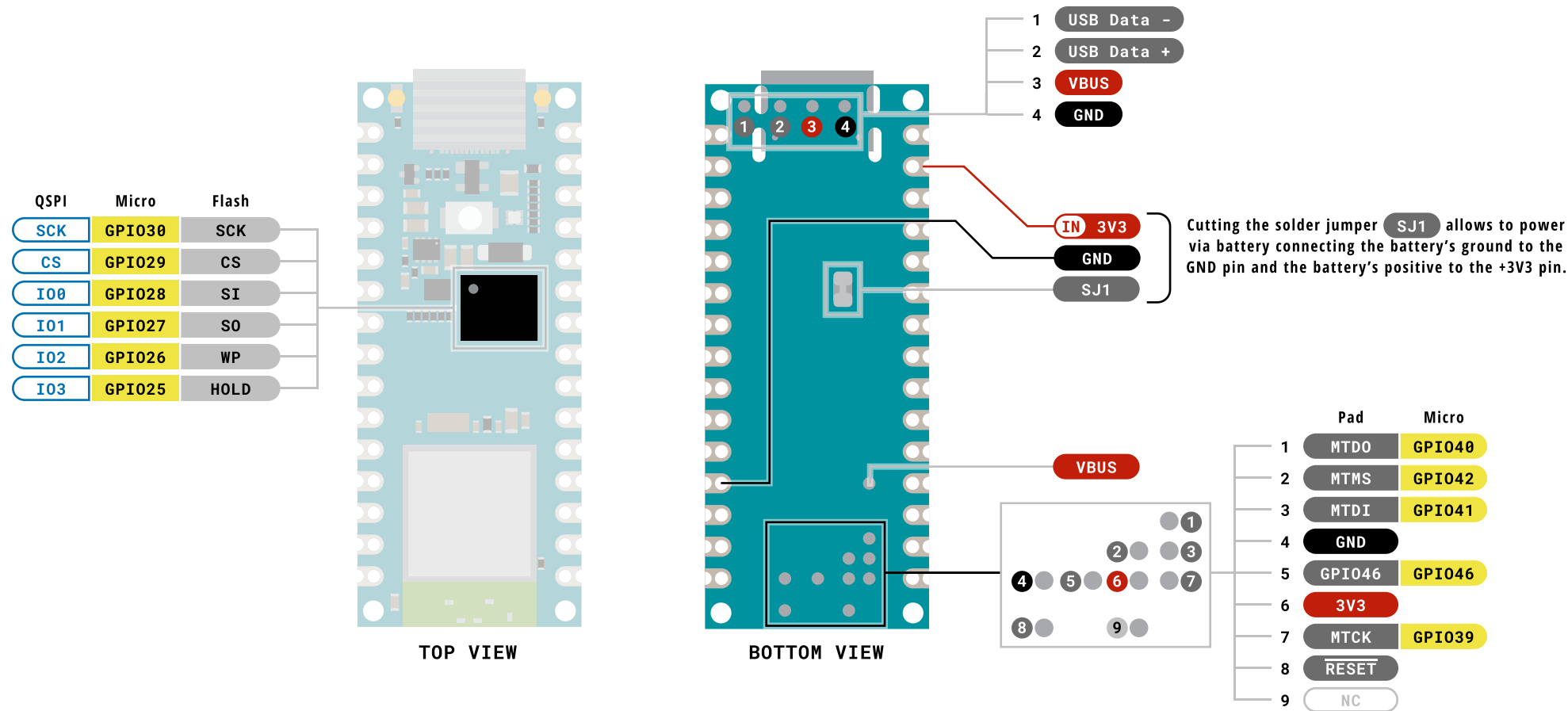
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Legend :

Power

Power Input

Power Output

Ground

Main Part

Internal Component

Other Pins (Reset, System Contr1, Debugging)

LED

NANO ESP32 BOARD

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