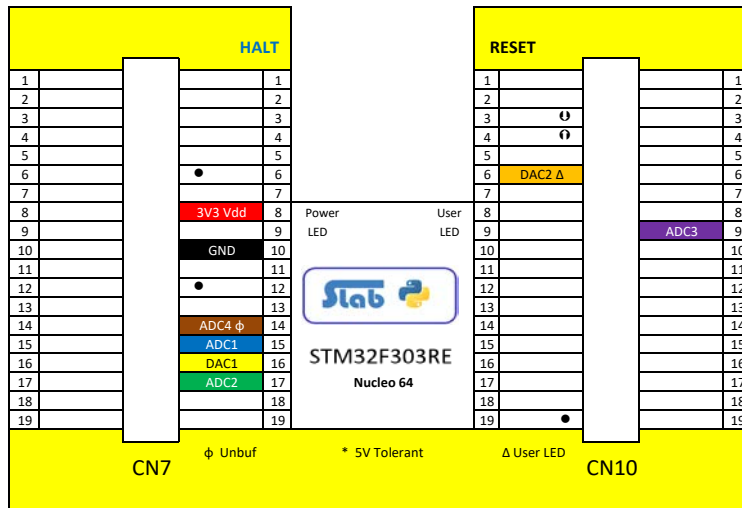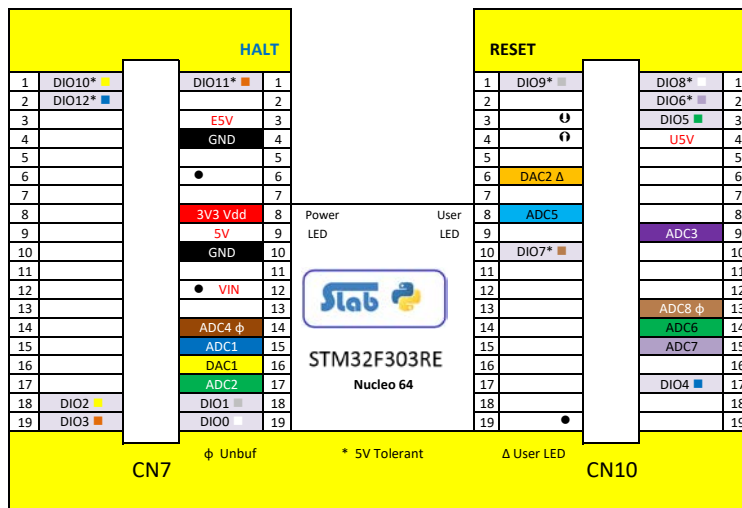# Pin Locator for STM32F303RE Nucleo64 Board

Version 1.1 (4/4/2019)

Simplified Signal locations for basic SLab usage

CN7 — HALT, CN10 — RESET. Signals include: 3V3 Vdd, GND, ADC4 φ, ADC1, DAC1, ADC2 (CN7); DAC2 Δ, ADC3 (CN10); STM32F303RE Nucleo 64; Power LED / User LED.

φ Unbuf   * 5V Tolerant   Δ User LED

Full Signal locations for current Slab implementation

CN7 — HALT: DIO10*, DIO12*, DIO11*, E5V, GND, 3V3 Vdd, 5V, GND, VIN, ADC4 φ, ADC1, DAC1, ADC2, DIO2, DIO3, DIO1, DIO0.
CN10 — RESET: DIO9*, DIO8*, DIO6*, DIO5, U5V, DAC2 Δ, ADC5, ADC3, DIO7*, ADC8 φ, ADC6, ADC7, DIO4.
STM32F303RE Nucleo 64; Power LED / User LED.

φ Unbuf   * 5V Tolerant   Δ User LED

● Holes are marked so that you can use Arduino pins to fix the cards in place

℧ Hole at pin 3 shall be between the two cells.

∩ Blame Arduino for that ;-)

The holes match the following Arduino Pins

IOREF	Left Morpho. Pin 6 on the right
VIN	Left Morpho. Pin 12 on the right
AVDD	Right Morpho. Between Pins 3 and 4 on the left
RX/D0	Right Morpho. Pin 19 on the left

Every card shall be 67.4 mm high

If it is not, you won't match the board pins pitch (A 2.5mm error will skip one pin)

Calculations to set the printing scale right

100	Write the current scale you are using (in %)
137	Write the measured vertical size of one of the four cards (in mm)
49,2	This is the scale you should use (in %)

Calculation: Scale = 67.4mm * Current Scale / Current Size