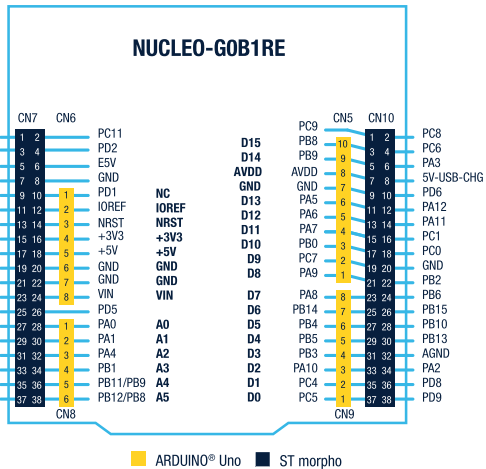# STM32G0B1

Nucleo-64

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STM32G0B1RET6 64 PINS

- Arm® Cortex®-M0+ core at 64 MHz

- 512 Kbytes of Flash memory, 144 Kbytes of SRAM

- Two extension types:
  - ARDUINO® Uno V3 connectivity
  - ST morpho extension pin header footprints for full access to all STM32 I/Os
  - Embedded ST-LINK/V2-1 debugger/programmer

NUCLEO-G0B1RE

ARDUINO® Uno ■ ST morpho

STM32 Nucleo-64 for STM32G0B1 mainstream MCUs

GETTING STARTED

1/ Check the jumper positions on the board: CN4 (STLK) on [1-2], [3-4], JP2 (PWR) on [1-2], JP3 (IDD) on.

2/ For a correct identification of all device interfaces from the host PC, install the Nucleo USB driver available from the www.st.com/stm32nucleo webpage, prior to connecting the board.

3/ To power the board, connect the STM32 NUCLEO-G0B1RE to a PC with a USB cable Type-A to Micro-B through USB connector CN2. As a result green LED LD3 (PWR) lights up, LD1 (COM) blinks.

4/ Press user button B1 (blue).

5/ Observe that the blinking frequency of the green LED LD4 changes, by clicking on the button B1.

6/ The demo software and several software examples that allow you to use the STM32 Nucleo features are available at **www.st.com/en/product/nucleo-g0b1re**

SYSTEM REQUIREMENTS

- Windows® OS (7, 8 and 10), Linux® 64-bit or macOS®
- USB Type-A to USB Type-A or USB Type-C® to Micro-B cable

DEVELOPMENT TOOLCHAINS

- IAR Systems - IAR Embedded Workbench®[1]
- Keil® - MDK-ARM[1]
- STMicroelectronics - STM32CubeIDE

STM32 Cube

EMBEDDED SOFTWARE
STM32CubeG0 MCU Package featuring drivers, RTOS, file system and examples for this board.

1 On Windows® only

FSC logo

RoHS compliant

CAN ICES-3(B)/NMB-3(B)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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NUG0B1RE$AU1   Order code: NUCLEO-G0B1RE