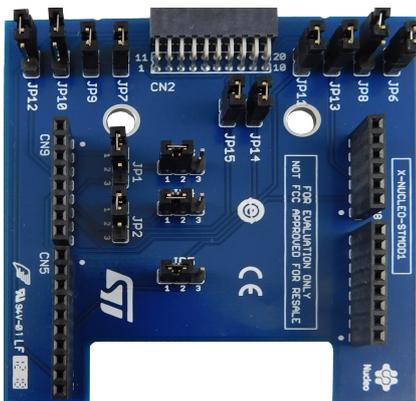


## STMod+ connector expansion board for STM32 Nucleo



### Features

- STMod+ connector compatible with STM32 Nucleo boards
- Full STMod+ support for a range of interfaces: SPI, UART, I<sup>2</sup>C, RESET, INTERRUPT, ADC, PWM and general purpose I/Os
- STM32 Nucleo support through Arduino UNO V3 connector
- Set of 15 Jumpers to allow multiple configurations and expand the range of possible use cases
- RoHS compliant

### Description

The [X-NUCLEO-STMODA1](#) provides an easy way to expand your STM32 Nucleo board with the STMod+ connector, which allows interaction with the new set of STM32 Nucleo development boards using this connector. It provides an easy way to evaluate the STMod+ board solution together with other STM32 Nucleo boards.

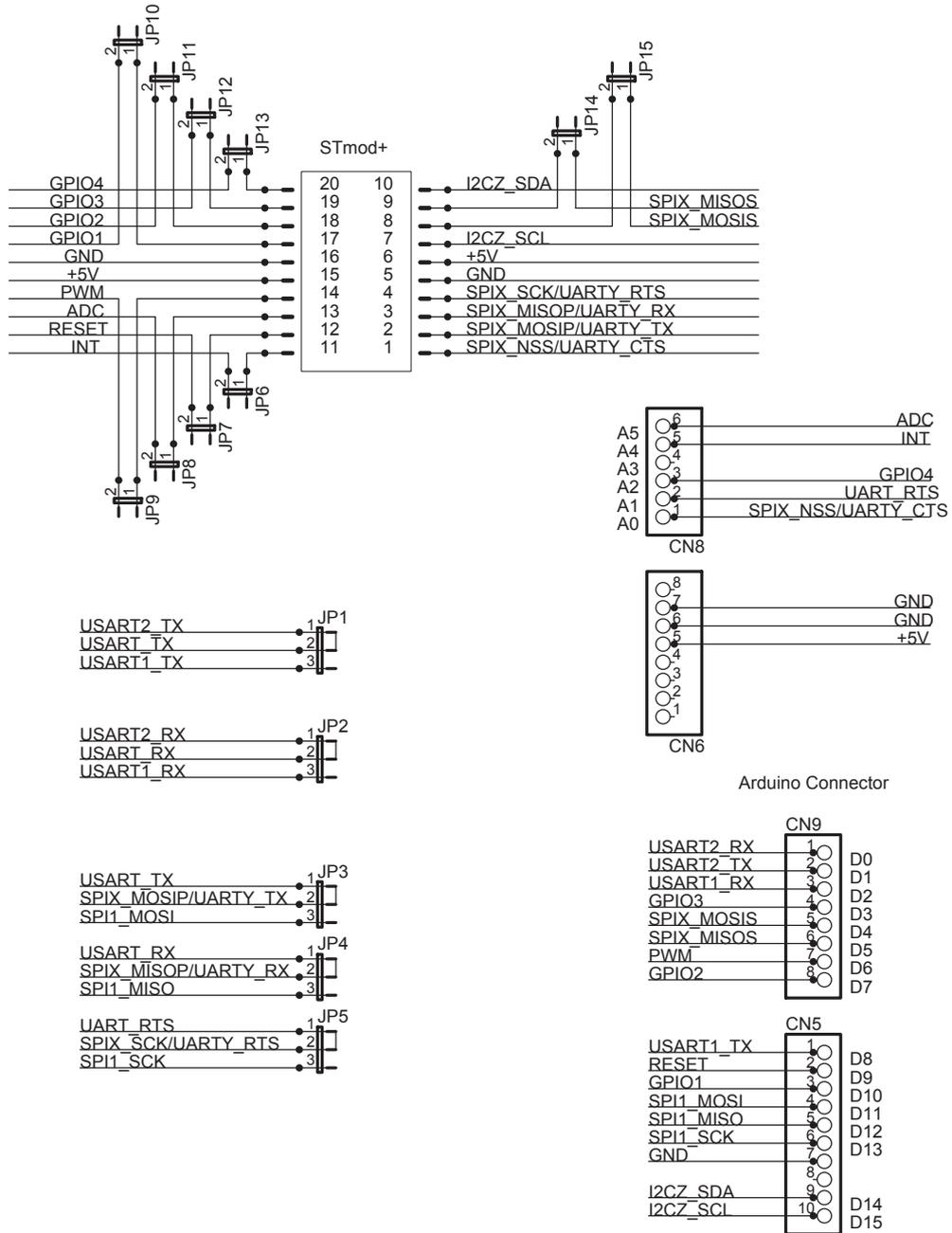
The STMod+ is a 2x10-pin connector providing a set of interfaces such as SPI, UART, I<sup>2</sup>C and other functions such as RESET, INTERRUPT, ADC, PWM and general purpose I/Os. The X-NUCLEO-STMODA1 has a female STMod+ connector with 2 mm pitch.

The X-NUCLEO-STMODA1 expansion board is equipped with a set of jumpers for the added flexibility of allowing you to also use the board with the STM32 [B-L475E-IOT01A](#) discovery kit node board.

Product summary	
STMod+ connector expansion board for STM32 Nucleo	<a href="#">X-NUCLEO-MODA1</a>
STM32L4 Discovery kit IoT node, low-power wireless, BLE, NFC, SubGHz, Wi-Fi	<a href="#">B-L475E-IOT01A</a>
LTE Cellular to Cloud Pack with STM32L496AG MCU	<a href="#">P-L496G-CELL02</a>
System Workbench for STM32: free IDE on Windows, Linux and OS X	<a href="#">SW4STM32</a>



# 1 Schematic diagrams

**Figure 2. X-NUCLEO-MODA1 circuit schematics**


## Revision history

**Table 1. Document revision history**

Date	Version	Changes
10-Apr-2018	1	Initial release.

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