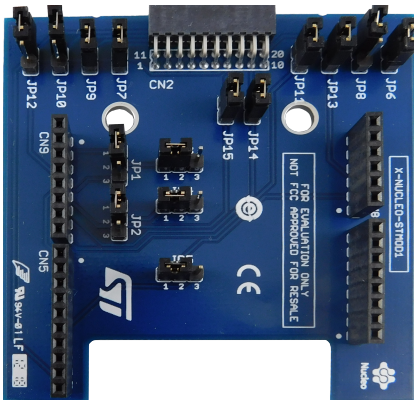


STMod+ connector expansion board for STM32 Nucleo



Features

- STMod+ connector compatible with STM32 Nucleo boards
- Full STMod+ support for a range of interfaces: SPI, UART, I²C, 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.

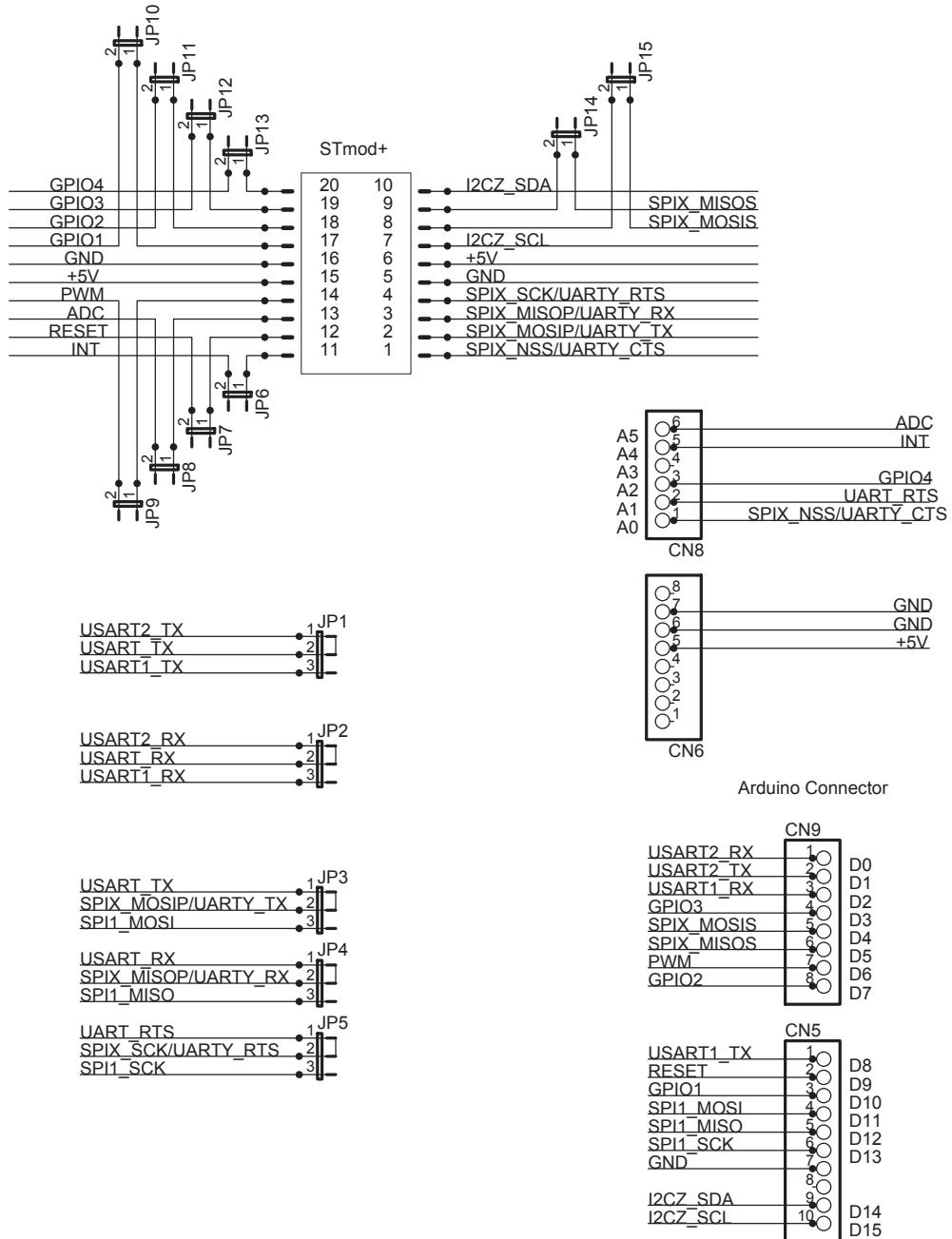
The STMod+ is a 2x10-pin connector providing a set of interfaces such as SPI, UART, I²C and other functions such as RESET, INTERRUPT, ADC, PWM and general purpose I/Os. The X-NUCLEO-STMODA1 has a female STMod+ connector with 2 mm pitch.

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	X-NUCLEO-MODA1
STM32L4 Discovery kit IoT node, low-power wireless, BLE, NFC, SubGHz, Wi-Fi	B-L475E-IOT01A
LTE Cellular to Cloud Pack with STM32L496AG MCU	P-L496G-CELL02
System Workbench for STM32: free IDE on Windows, Linux and OS X	SW4STM32



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.