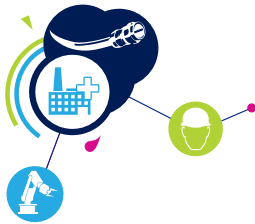
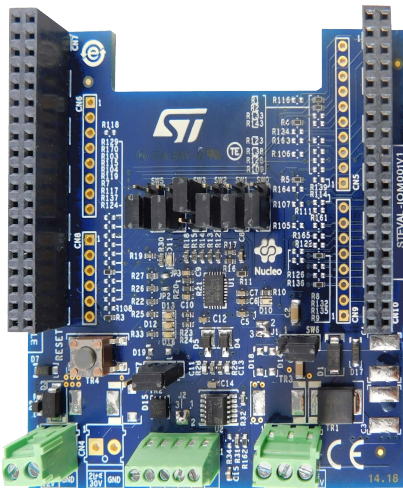


## IO-Link master evaluation board based on L6360 equipped with ST morpho connectors for STM32 Nucleo



### Features

- IO-Link master PHY based on [L6360](#)
- Interrupt diagnostics pin
- I<sup>2</sup>C and UART interface
- SPI (slave) interface
- 65 mA selectable (3.3 or 5.0 V) linear regulator
- CQ (push-pull) and L+ (high side) switches
- IQ additional IEC61131-2 type 1 digital input
- L+ and CQ overload and overheating protections with non-dissipative cut-off function
- QFN-26L (3.5x5x1 mm) package
- Operating voltage range from 18 to 32.5 V
- Additional high side switch for L+ heavy loads ([IPS161H](#))
- LEDs for status and diagnostics
- Ground and V<sub>CC</sub> wire break protections
- EMC compliance with IEC61000-4-2, IEC61000-4-3, IEC61000-4-5
- Equipped with ST morpho connectors
- CE certified
- RoHS and China RoHS compliant

### Description

The [STEVAL-IOM001V1](#) evaluation board is based on the [L6360](#) IO-Link master transceiver with physical layer compliant with IO-Link v1.1 specification.

Together with the [STSW-IOM001](#) example code, it provides an affordable and easy-to-use solution for the development of IO-Link applications, letting you easily evaluate the communication features and robustness of the L6360.

You can also perform evaluation of multiple ports industrial IO-Link master modules by connecting up to four [STEVAL-IOM001V1](#) with few solder bridge modifications.

The [STEVAL-IOM001V1](#) interfaces with the [STM32 Nucleo](#) microcontroller via UART and GPIO pins and is compatible with the Arduino UNO R3 (optional configuration) and ST morpho (default configuration) connectors.

Product summary	
IO-Link master evaluation board based on L6360 equipped with ST morpho connectors for STM32 Nucleo	<a href="#">STEVAL-IOM001V1</a>
IO-Link communication master transceiver IC	<a href="#">L6360</a>
L6360 IO-Link communication transceiver master IC evaluation software based on STM32Cube	<a href="#">STSW-IOM001</a>



Figure 2. STEVAL-IOM001V1 circuit schematic (2 of 4): Arduino connectors

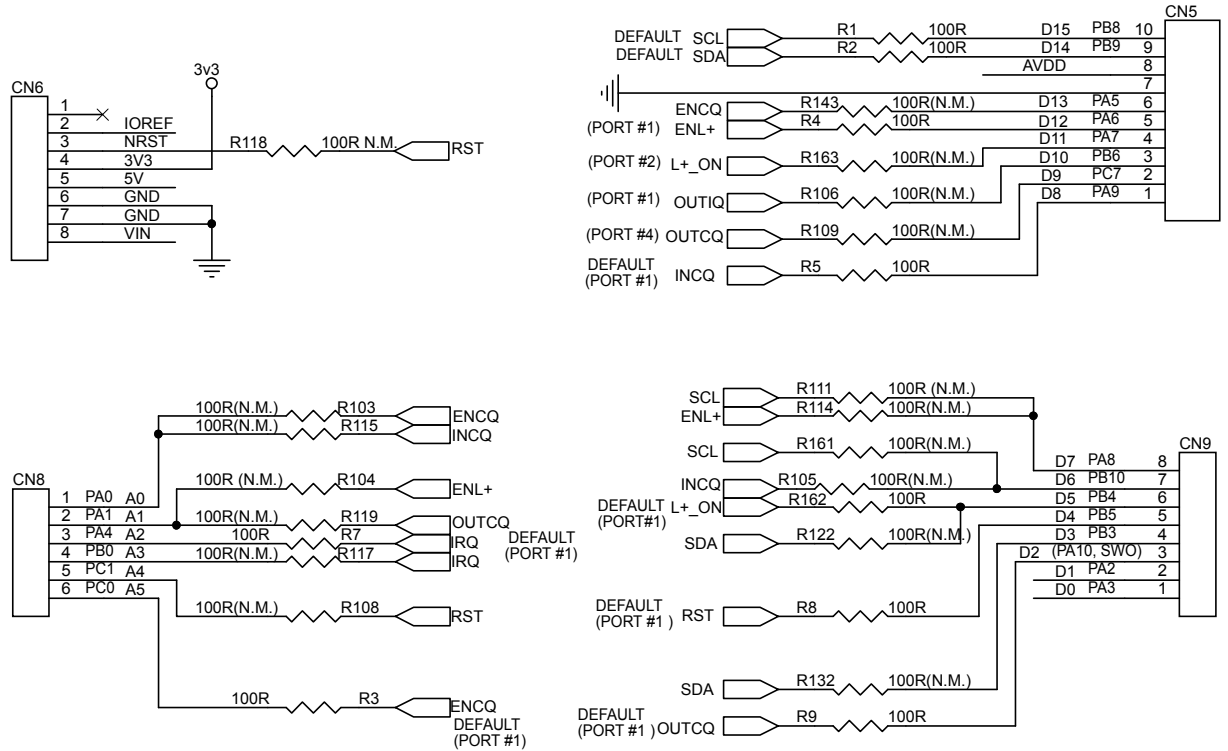
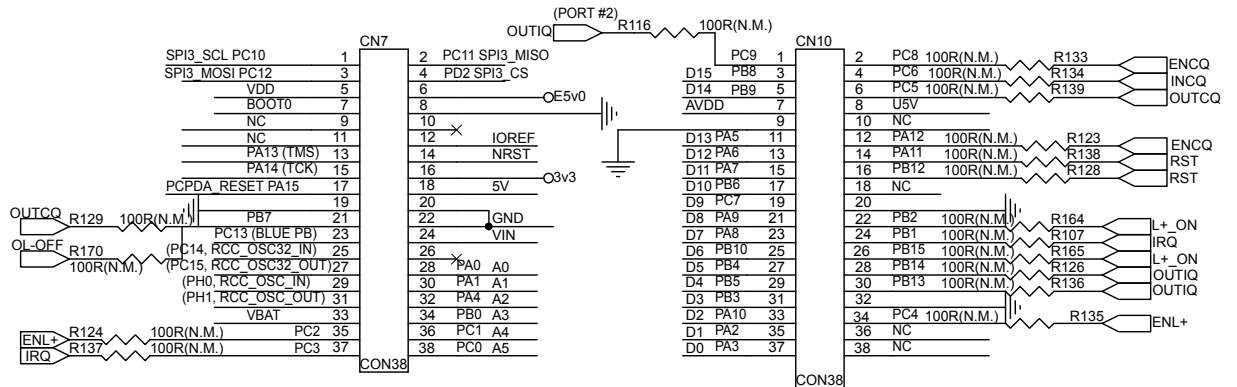


Figure 3. STEVAL-IOM001V1 circuit schematic (3 of 4): ST morpho connectors





## Revision history

**Table 1. Document revision history**

Date	Version	Changes
15-Jun-2018	1	Initial release.

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