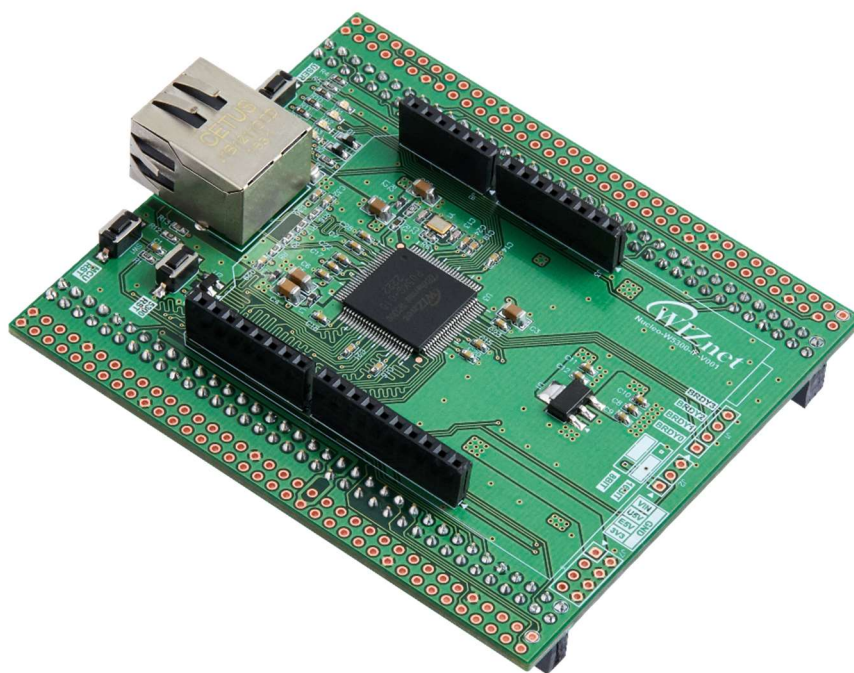


W5300 TOE Shield Datasheet

(Version 0.0.1)

2023-02-20



Features

W5300-TOE-Shield has the following specifications.

- W5300 - <https://docs.wiznet.io/Product/iEthernet/W5300>
- 3.3V – Available up to 800mA
- 16Bit, 8Bit communication options available
- 25 MHz Crystal Oscillator
- Ethernet compliant with IEEE-802.3-2002
- MCU, W5300, and User push-buttons
- Arduino Shield connector

Description

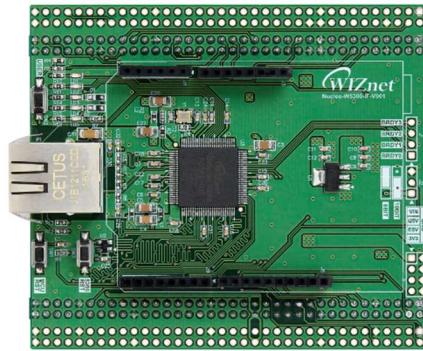
The W5300-TOE-Shield is a board that enables high-speed bus communication with the W5300 and ST's Coretex MCU. The W5300-TOE-Shield is a board that can be mounted on a Nucleo board. Individual actions cannot be performed without the Nucleo board, and only the Nucleo-F429 board is currently supported.

It also supports various shield boards in the form of Arduino Shield. However, the pinmap has changed a little in the process of using the W5300, so please refer to the pinmap below.

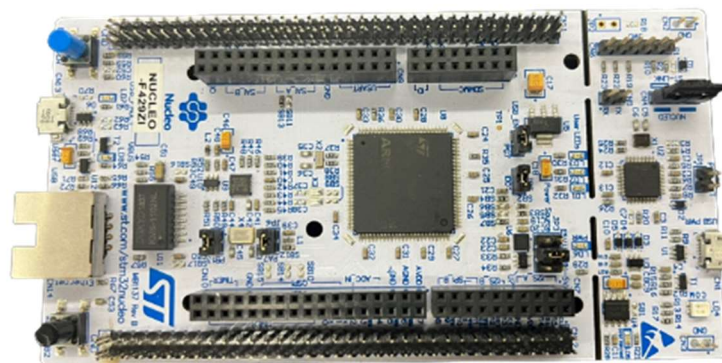
Hardware

Use it stacked on the Nucleo F429ZI board as shown in the picture below.

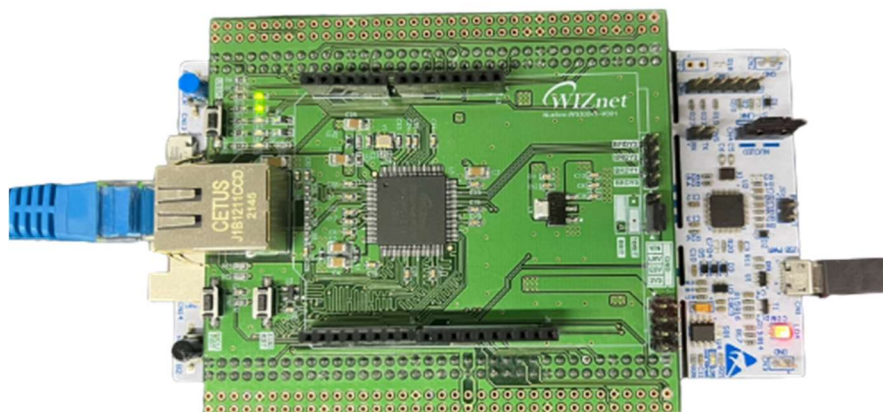
It cannot be used alone.



W5300-TOE-Shield

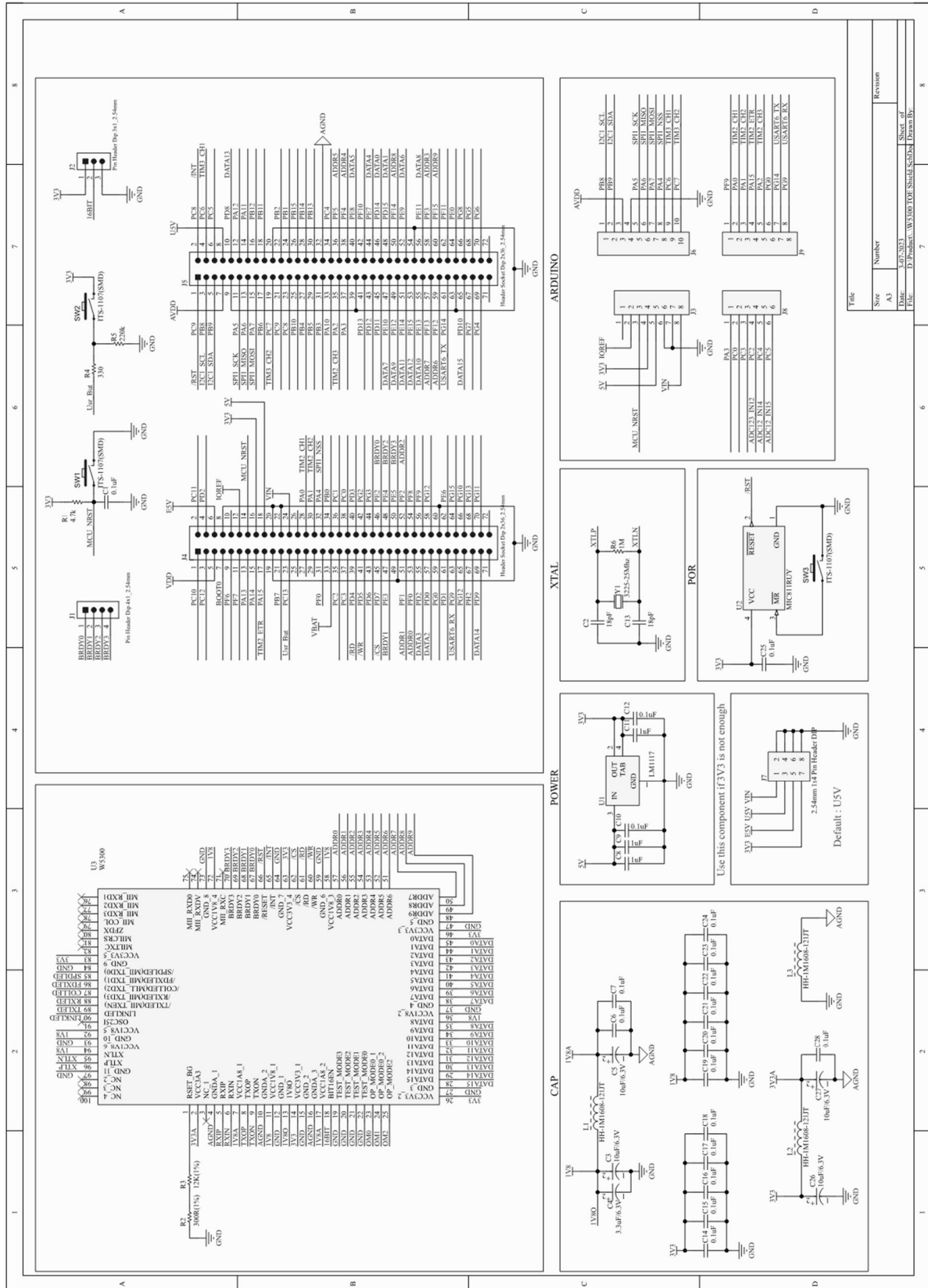


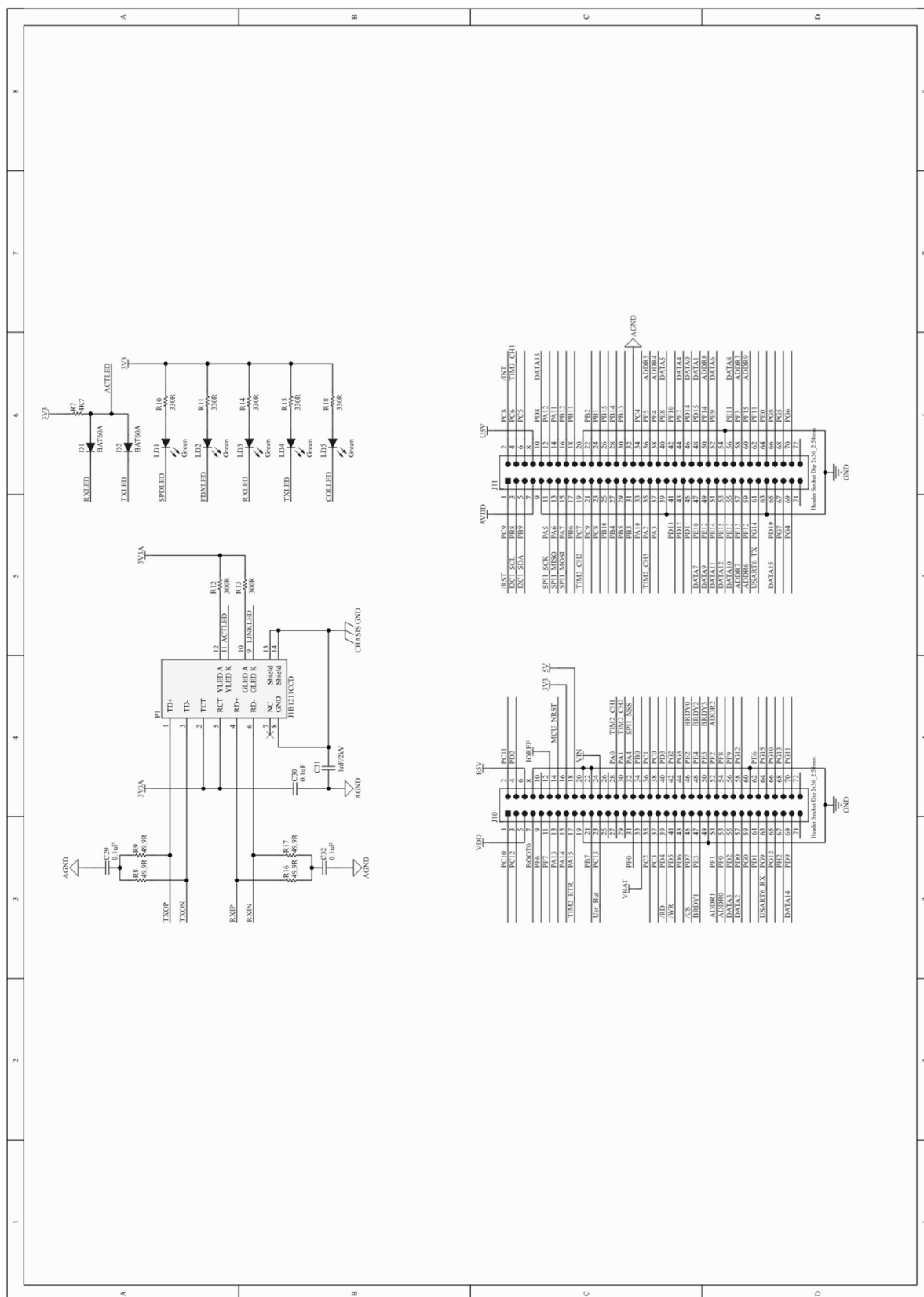
Nucleo F429ZI



W5300-TOE-Shield + Nucleo F429ZI

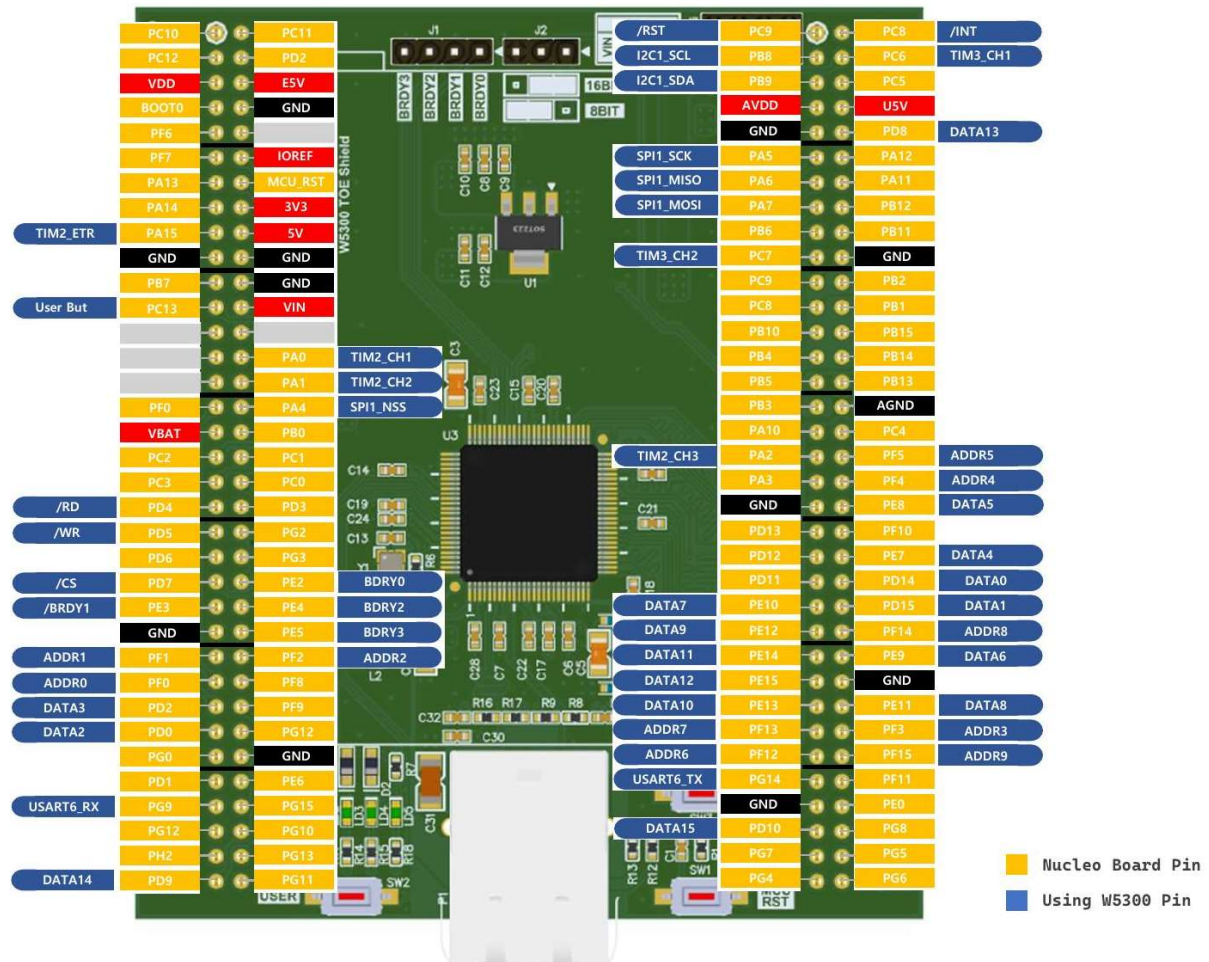
Schematics



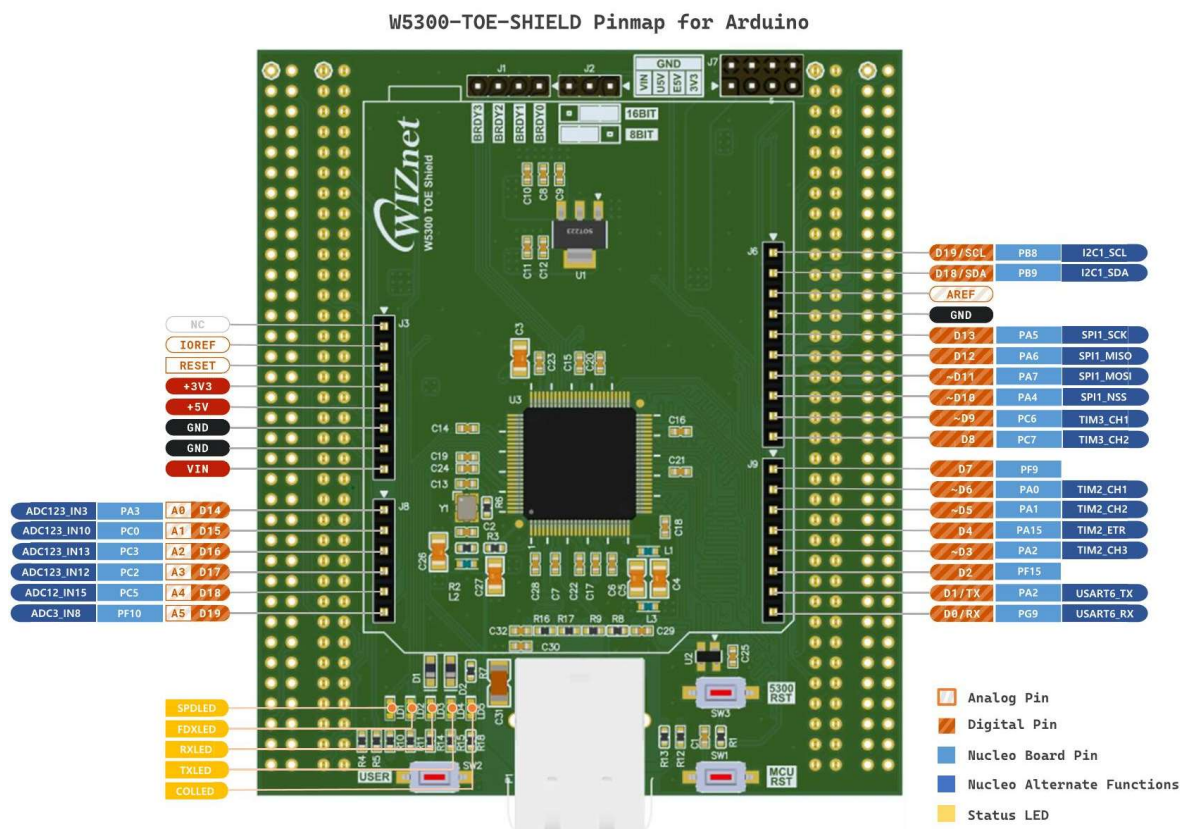


Pinmap

W5300-TOE-SHIELD Pinmap for Nucleo



Pinmap of the W5300-ToE-Shield connected to the Nucleo-429 board.



A pinmap of Arduino-Shield that can be mounted on the W5300-ToE-Shield.