

# DPS310 Pressure Shield2Go

Manuel Hollfelder edited this page on Oct 10, 2017 · 4 revisions

## Overview

This pages summarizes information about the DPS310 Pressure Shield2Go evaluation board. The DPS310 Pressure Shield2Go board consists of a DPS310 pressure sensor with a smart circuit to switch between I<sup>2</sup>C and SPI. The Infineon product page of the sensor can be found [here](#).

## Pin Out

The pin layout of the DPS310 Pressure Shield2Go can be found below (the original file is stored [here](#)):

The

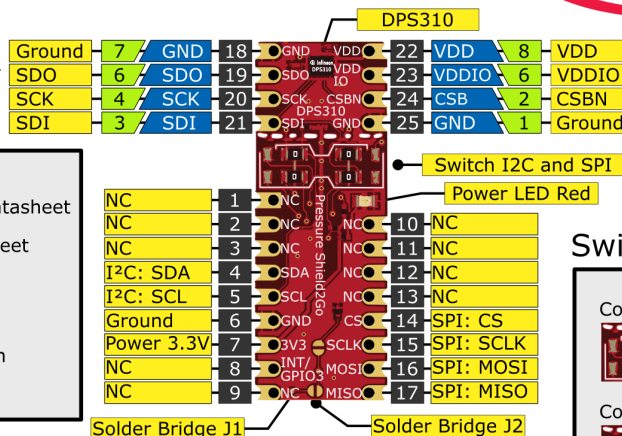
## DPS310 Pressure Shield2Go



**i** Ground pins on board connected with each other

### Legend

<span style="background-color: yellow; border: 1px solid black; padding: 2px;"> </span>	Information
<span style="background-color: blue; color: white; padding: 2px;"> </span>	Labelling of Pins in Datasheet
<span style="background-color: green; color: white; padding: 2px;"> </span>	Pin Number in Datasheet
<span style="background-color: black; color: white; padding: 2px;"> </span>	Physical Pin Number
<span style="background-color: yellow; border: 1px solid black; padding: 2px;">!</span>	Warning
<span style="background-color: yellow; border: 1px solid black; padding: 2px;">i</span>	Additional Information
<span style="background-color: yellow; border: 1px solid black; padding: 2px;">NC</span>	Not connected



**i** The board can be switched from I<sup>2</sup>C mode to SPI mode by moving 0 Ohm resistors

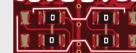
**!** The maximum voltage to any pin is 4 V

**i** Solder Bridge J1 enables pull-down resistor on interrupt pin and changes I<sup>2</sup>C address from 0x77 to 0x76

**i** Solder Bridge J2 connects the interrupt pin to the INT/GPIO3 pin

### Switch I<sup>2</sup>C/SPI

Configuration for I<sup>2</sup>C



Configuration for SPI



[www.infineon.com](http://www.infineon.com)

## Key Features

- DPS310 pressure sensor
- Shield2Go formfactor compatible with the [XMC 2Go](#) evaluation board
- Breakable head to get direct access to the DPS310
- Switchable between I<sup>2</sup>C and SPI by moving 0 Ohm resistors or by adding solder bridges
- Arduino library
- Solder jumper to switch the I<sup>2</sup>C addresses
- Solder jumper to connect the INT/GPIO3 pin

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