

Overview

- The DWS1000 is an Arduino form-factor compatible shield with the DW1000 UWB module mounted.
- The shield offers developers the flexibility to use the DWM1000 with the MCU of their choice - The Arduino form-factor is supported by many MCU vendors such as ST, Nordic and others.
- General purpose hardware for UWB RTLS system development.

Features

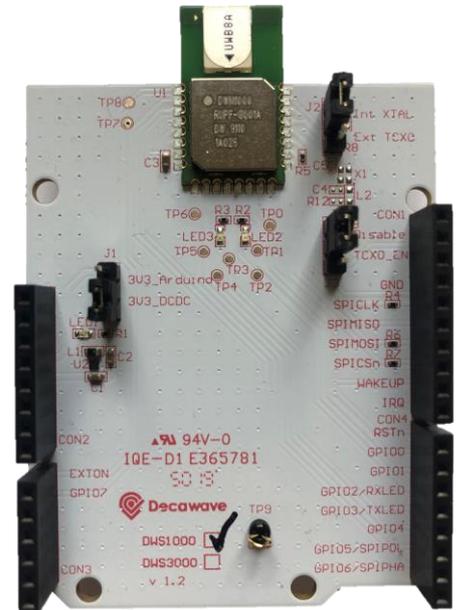
- Arduino shield with DWM1000 UWB module mounted.
- On board 3V3 DC-DC.
- Arduino form-factor compatible.
- All module pins accessible.
- Full schematics provided in PDF format.
- Example firmware for ST NUCLEO-F429ZI dev board based on STM32Cube and System Workbench for STM32 available on website.
- Recommended sale price \$20.

Target Applications

- Bring up and debug of DWM1000 module firmware.

Jumper functions

- J1: Switch between onboard 3V3 DC/DC and host provided 3V3 supply. Can be used for measuring current consumption of DWM1000 module.
- J2 and J3: Reserved for future use. Leave in first (factory) position, connecting middle pins to GND.



DWS1000 Arduino Shield

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- (1) Product developers to evaluate electronic components, circuitry, or software associated with the kit to determine whether to incorporate such items in a finished product and
- (2) Software developers to write software applications for use with the end product. This kit is not a finished product and when assembled may not be resold or otherwise marketed unless all required FCC equipment authorizations are first obtained. Operation is subject to the condition that this product not cause harmful interference to licensed radio stations and that this product accept harmful interference. Unless the assembled kit is designed to operate under part 15, part 18 or part 95 of this chapter, the operator of the kit must operate under the authority of an FCC license holder or must secure an experimental authorization under part 5 of this chapter

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