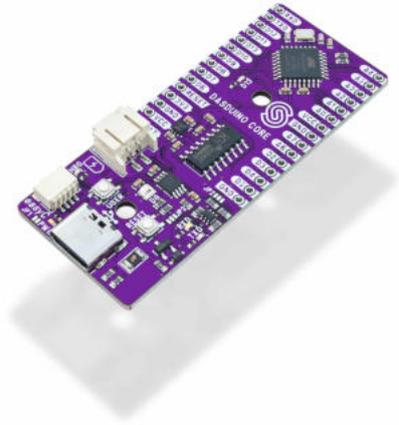


## DASDUINO CORE (ATMEGA328)



<b>Weight</b>	12 g
<b>Headers</b>	Female Headers, Male Headers, No Headers

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### DESCRIPTION

Are you looking to start tinkering with electronics and Arduinos? Or perhaps you're looking for a board to help you with electronic projects? Dasduino Core is the right choice for you. If you're familiar with any of the retired Croduino products, you'll feel right at home with this board. If not, no worries! Dasduino Core is made for makers of all skill levels! Not only will it execute the tasks in a breeze, but it will take up little space while doing so.

With just 63 mm wide and 22 mm high, Dasduino Core packs 22 I/O pins. It has 14 digital and 8 analog pins, which is plenty for almost all projects. It comes with a USB Type-C connection and is 100% compatible with the original Arduino boards and Arduino IDE. It comes with the Atmel Atmega328P microcontroller we all know and love. It works on 5V or battery voltage. There is also a 3.3V voltage regulator on the board for easy powering of 3.3V breakouts or easyC boards. Furthermore, it features [Lithium-ion battery](#) charger and connector, and a full color WS2812 RGB LED. An [easyC](#) connector will make connecting the Dasduino Core with other devices effortless.

#### Dasduino CORE (ATmega328) options:

The Dasduino CORE comes in 3 versions depending on the method of establishing a connection to the pins:

- without headers
- with male headers
- with female headers

### FEATURES

- Atmel Atmega328 microcontroller

- Operating voltage: 5V
- Pins: 22 totals (14 digital pins, 8 analog pins, A6, A7 analog only)
- Communication: UART, SPI, I2C
- Connectors: easyC, USB Type-C, lithium-ion battery connector
- Onboard LED on pin 13 and full RGB WS2812B LED on pin 8
- Optional without headers
- Optional with male headers
- Optional with female headers
- Dimensions: 63 x 22 mm / 2.5 x 0.9 inch

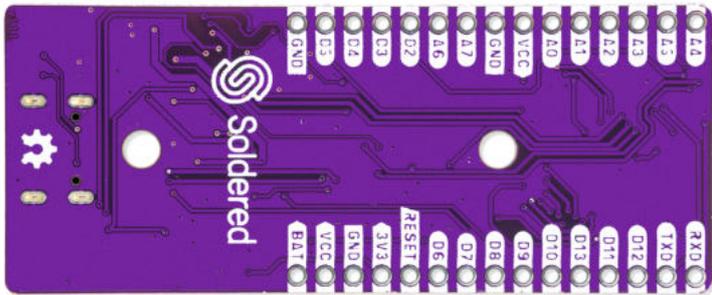
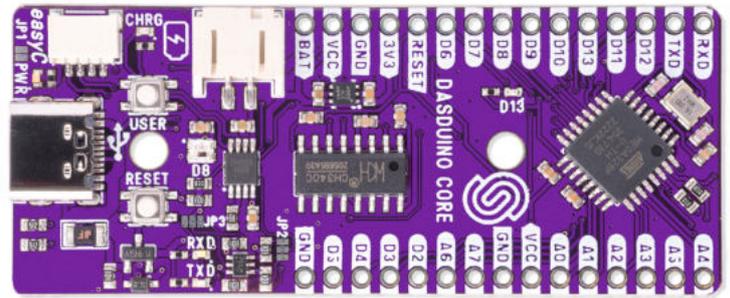
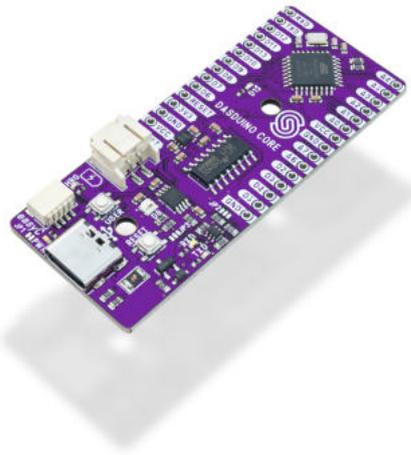
## USEFUL LINKS

- [Arduino IDE board definition](#)
- [Pinout](#)
- [Datasheet](#)
- [Open-Source Hardware files](#)

## TIPS

You can put the code on Dasduino Core as you would on any other Arduino board. If there are any problems, check if it's connected properly. Take a look at the pinout. If everything is connected correctly on Dasduino, check if your circuit on the breadboard is right. If everything is as it should be, go through your code again. Some bugs in the code might have snuck by and are messing up the project. Dasduino Core works very well with all of the breakout boards in our assortment. We recommend combining it with the [BMP180](#) and [OLED I2C 0.96"](#) breakout boards to make a small weather station. All of them use easyC so connecting them is as easy as pie. Dasduino Core also comes with two mounting holes in the middle of it. You can attach it to something so it doesn't move. To keep the board working for a long while, work with it in a dry environment. Don't leave it exposed to direct sunlight for long periods of time. Keep track of the current going through it. If too high of a current passes through it, the sensors will fry and the board will be completely useless.

## OTHER IMAGES



**Weight** 12 g  
**Headers** Female Headers, Male Headers, No Headers

## VARIATIONS

**Image**



**SKU**

333037

**Headers**

No Headers

**Image****SKU**

333144

**Headers**

Male Headers



333143

Female Headers