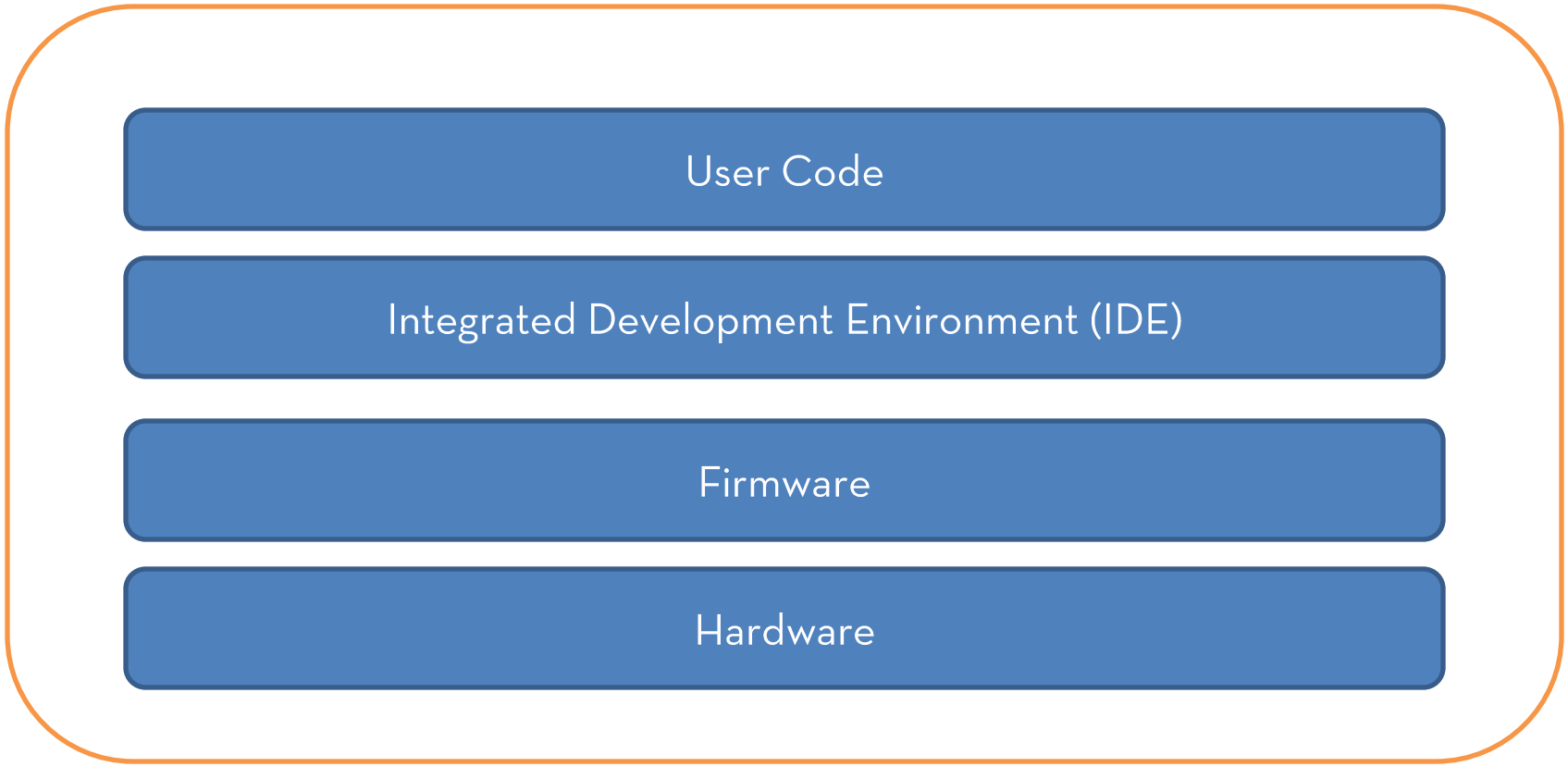
What is Arduino?

me@ankitdaf.com



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What is Arduino?

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Arduino is an open-source electronics prototyping platform based on flexible, easy-to-use hardware and software.

Arduino enables artists, designers, hobbyists or anybody interested in creating interactive objects or responsive environments to do so easily.

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Bangalore

Features

21.09.2014

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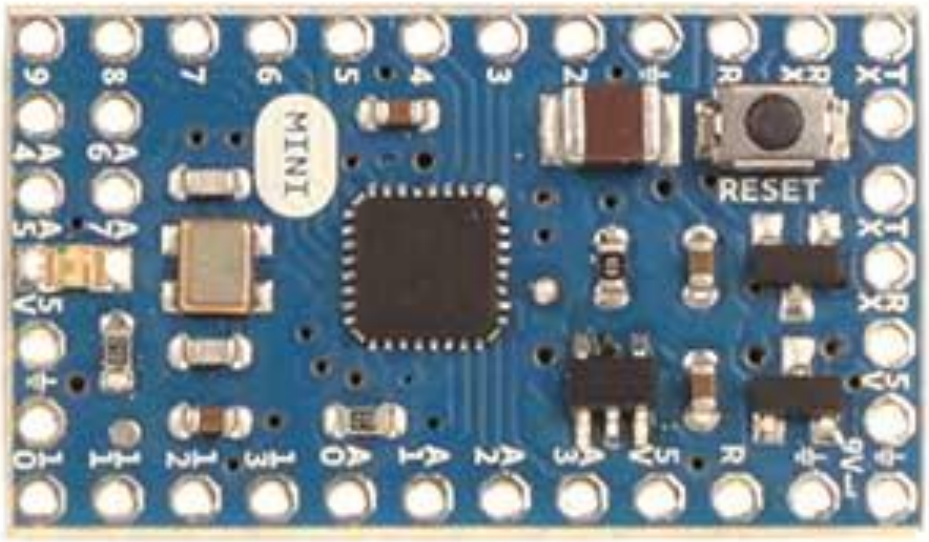

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Steps

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1. Where is the connection made ?
2. Is it input or output ?
3. What do we do with the connection ?

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```
int led = 4;

int sensor = A0;
```

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pinMode (INPUT)

pinMode (OUTPUT)

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Code

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x = digitalRead(which pin)

digitalWrite (which pin, what signal)

x = analogRead (which pin)

analogWrite (which pin, what signal)

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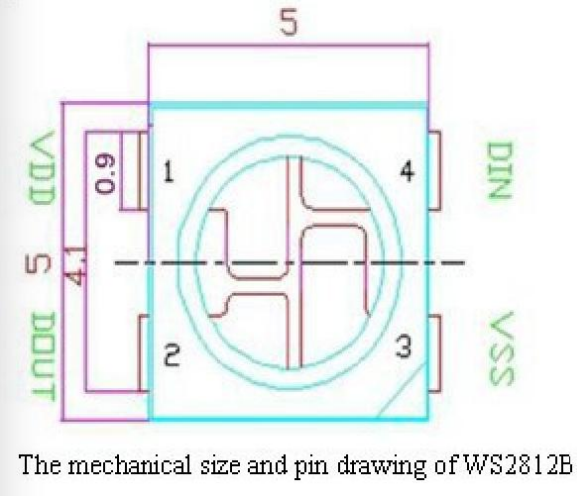

The mechanical size and pin drawing of WS2812B

-4 pins :

+5V

GND

Data In

Data Out

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Adafruit NeoPixel Library

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```
leds.begin()

leds.setPixelColor( led_no , color)

leds.show()
```

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Let's get started !

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