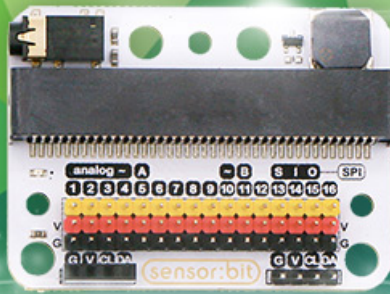
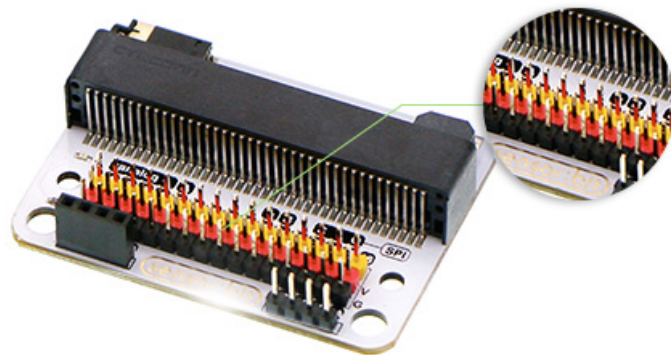


Sensor:bit

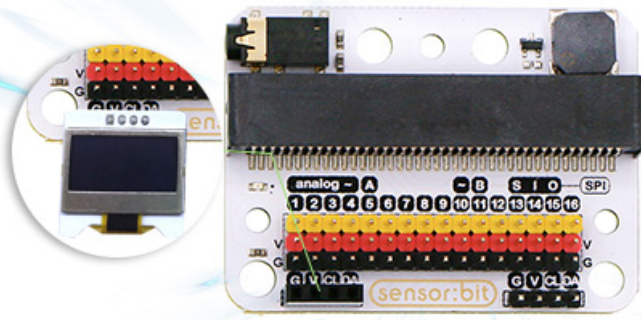


Features



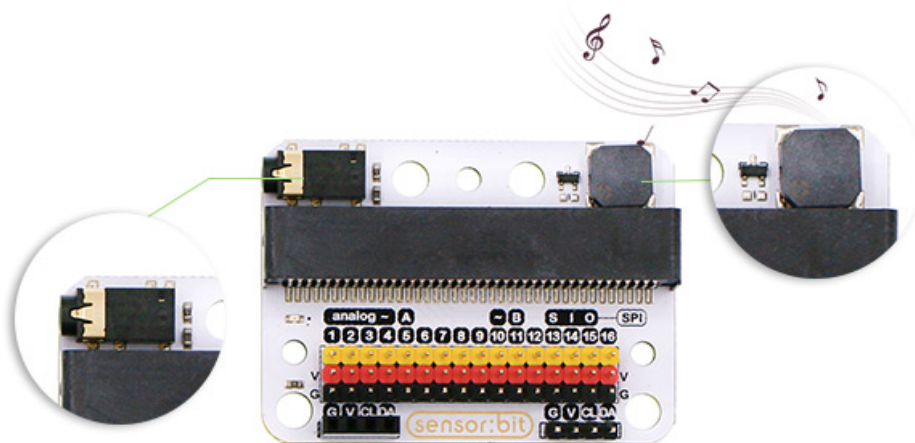
GVS Pins

Don't think of this board is just small! It is quite powerful enough with all available IO ports on micro:bit extended in the form of GVS pins. You can plug in various LED lights, sensors and modules to GVS pins. There are massive study cases to help you realize your ideas.



IIC Port

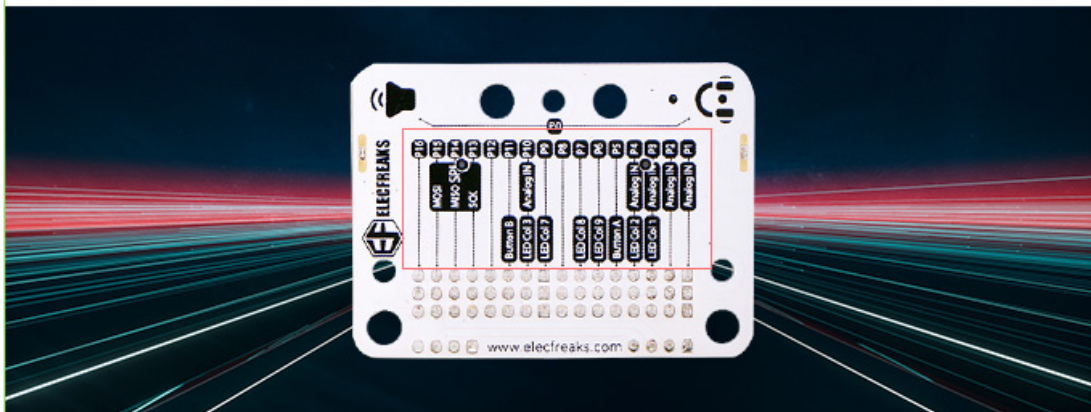
This board is not only accept modules with GVS pins, but also exports IIC port independently. You can plug in components like OLED display, BME280, and so on. Try it to make more study cases and break the limit of your idea.



Buzzer & Audio Jack

Buzzer or your earphone? It is just a matter of choice. You can choose one of them to play your melody ! It is perfect for classroom teaching, especially under a noisy environment.

Support **LEGO** Great Fun

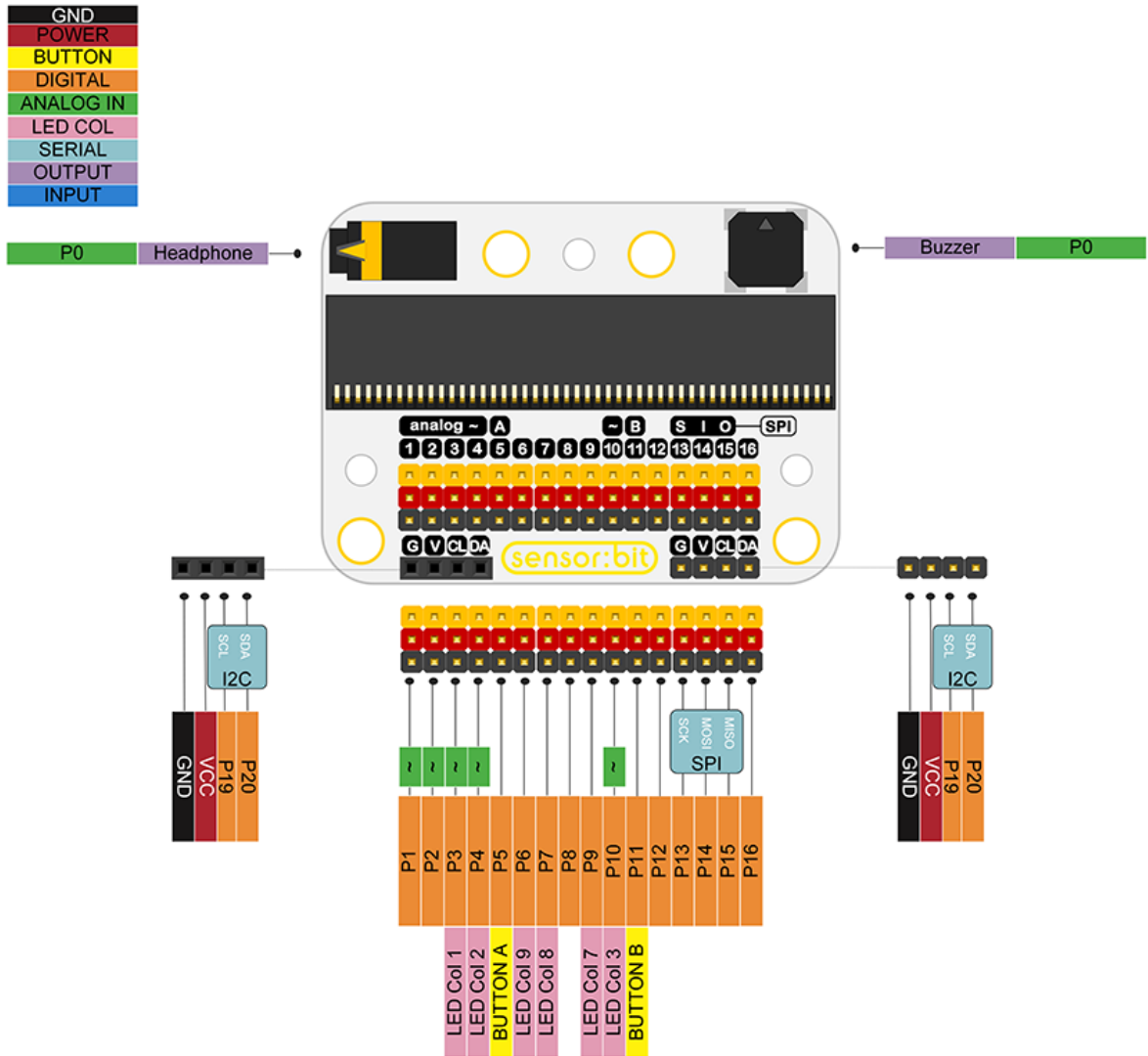


Detailed Marks

Each IO port is marked with silk printing in the back of board. You can do tests and projects with different modules. We work on every details and strive to become better.

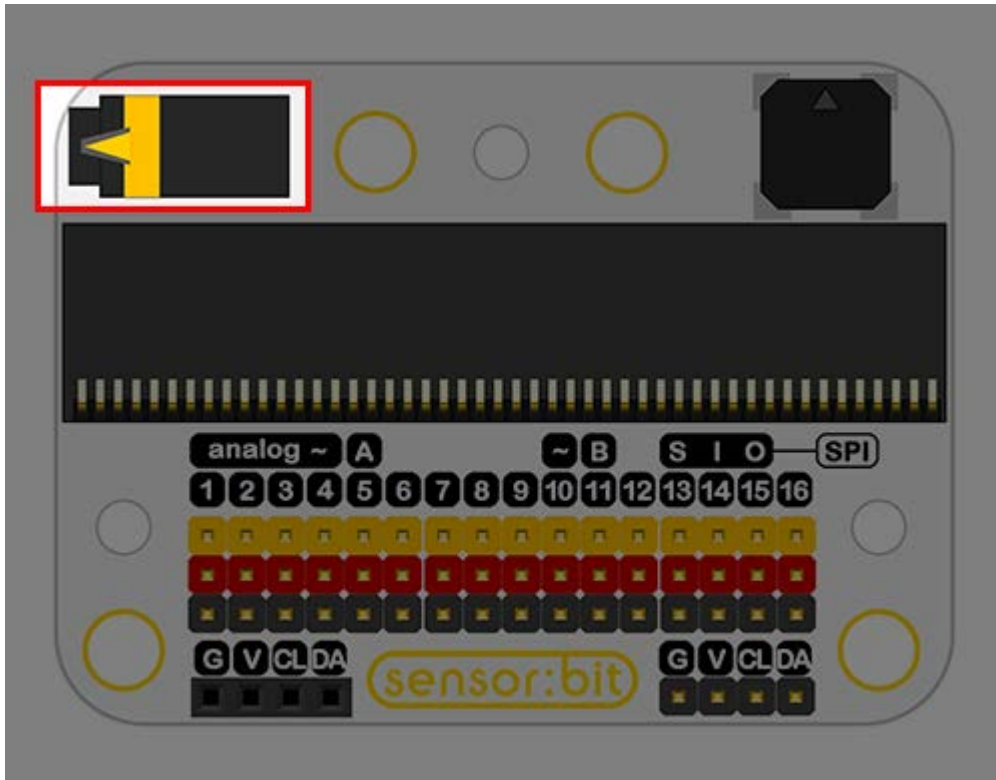
Definition of Pins

ELECFREAKS SENSOR BIT



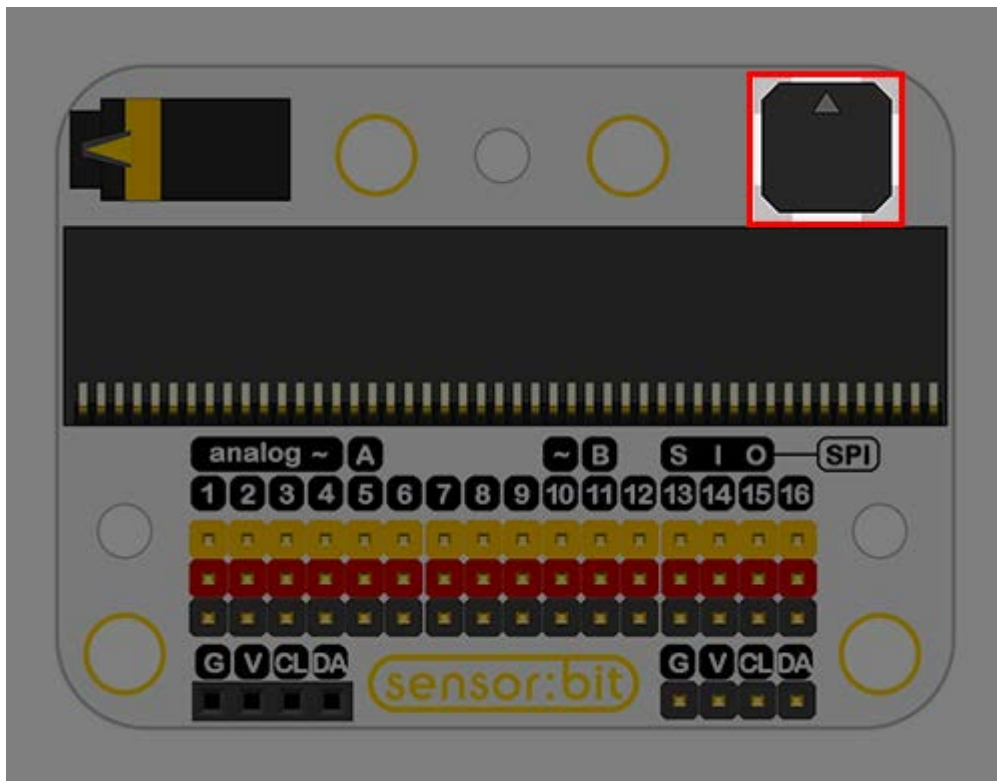
Introduction of Major Components

Audio Jack



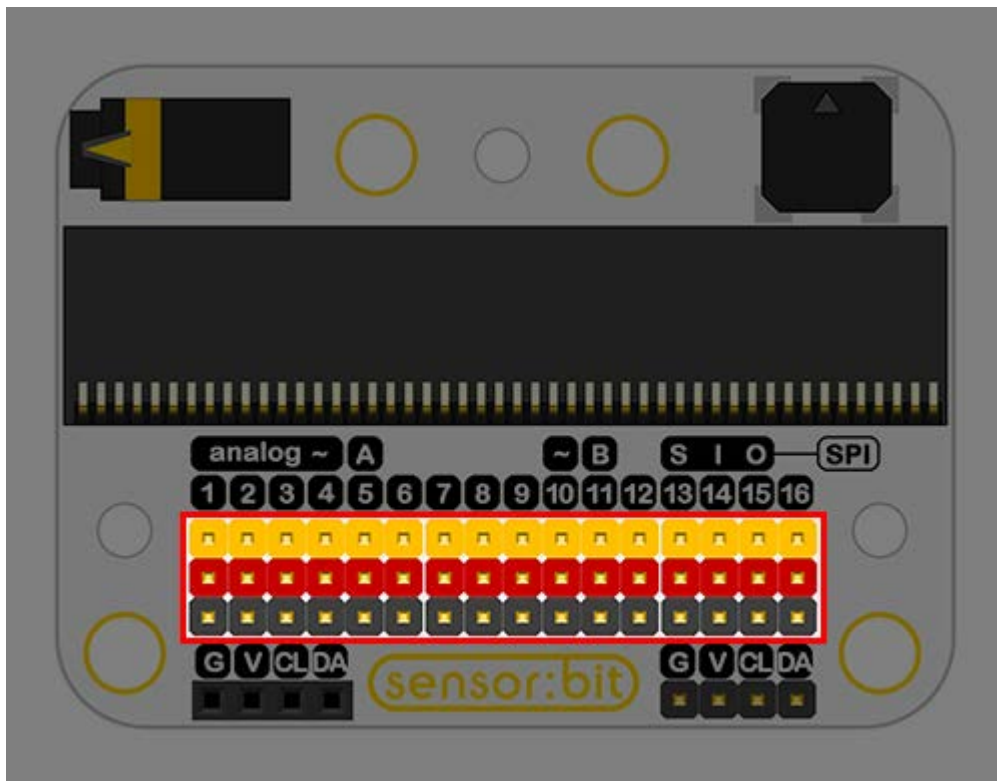
Headphone is controlled by P0 port. Plug in your headphone, the buzzer will disconnect automatically.

Buzzer



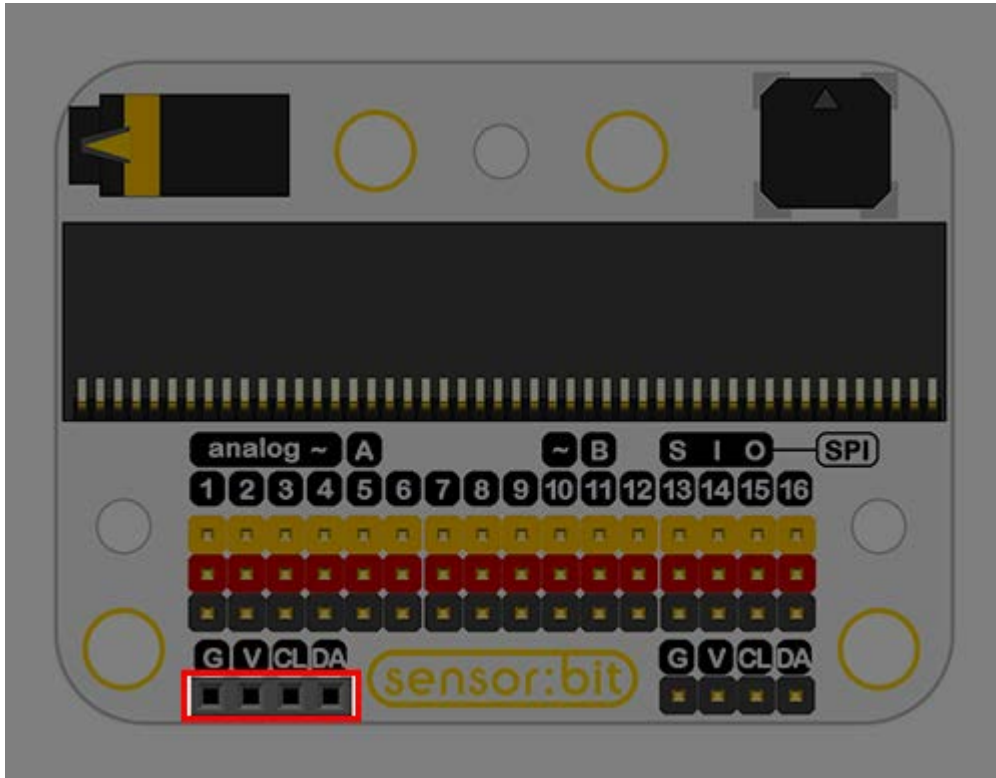
The buzzer is controlled by P0 port. Plug in your headphone, the buzzer will disconnect automatically.

16 Channel Standard GVS Port

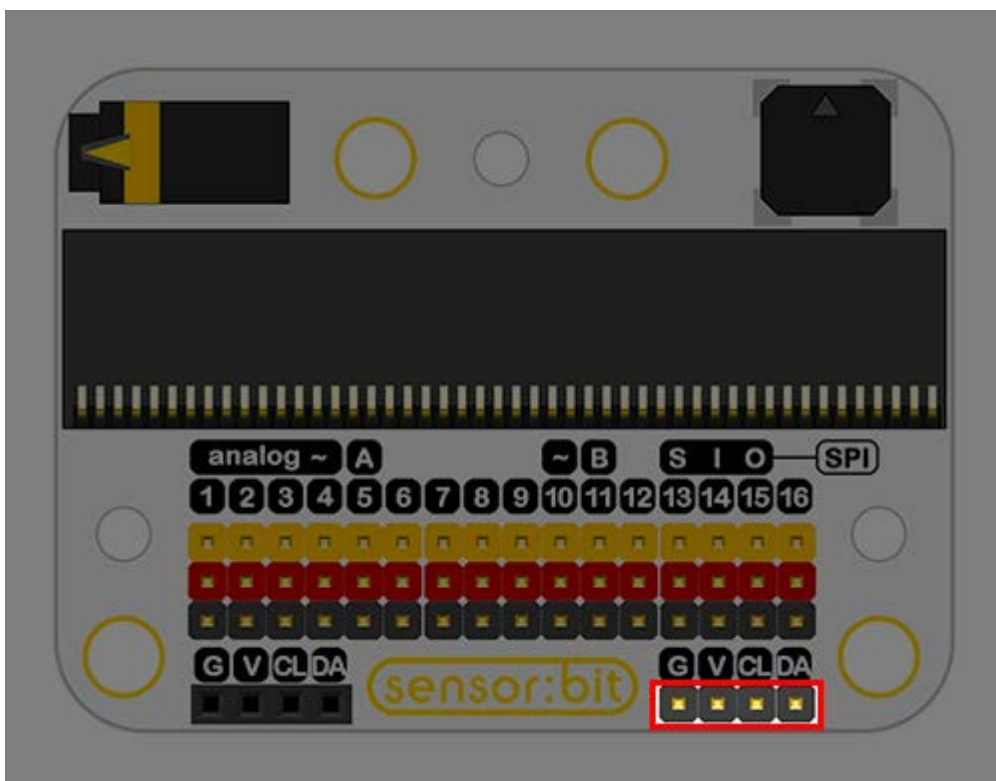


This is a standard GVS interface with 16 channels. It can extend 3V electric brick module.

I2C Port



This is a group of I2C female header, which can connect with OLED module directly.



This is a group of I2C male header.