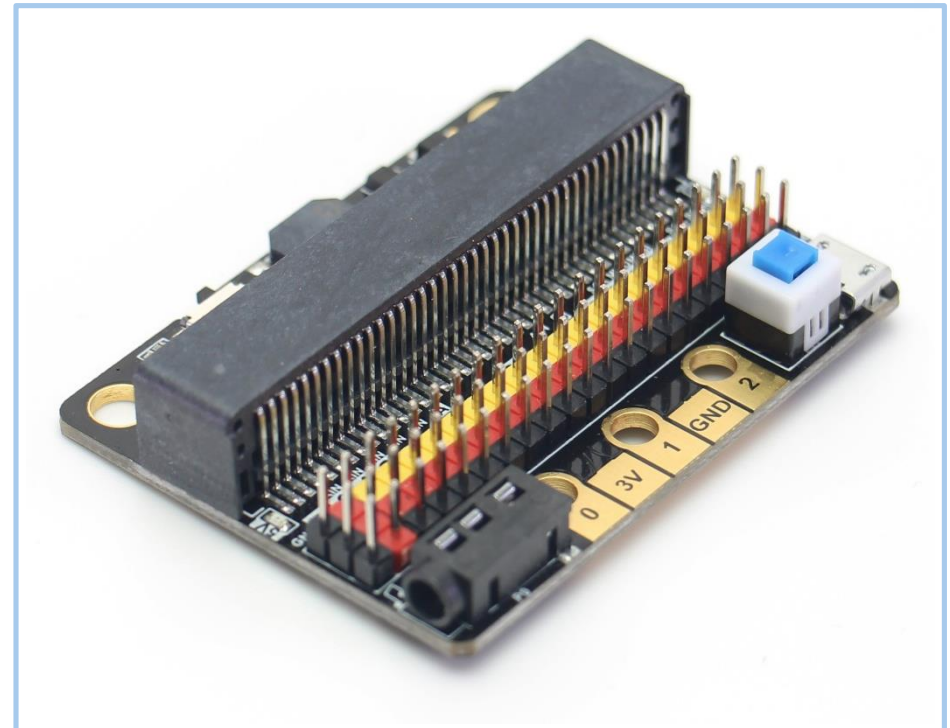
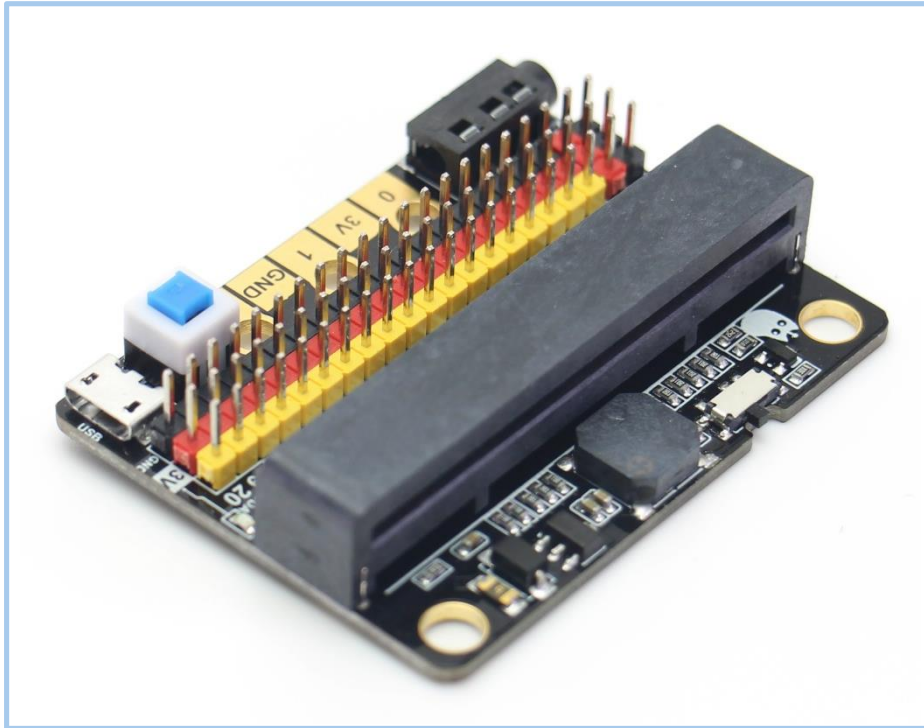


IObit V2.0 for micro:bit

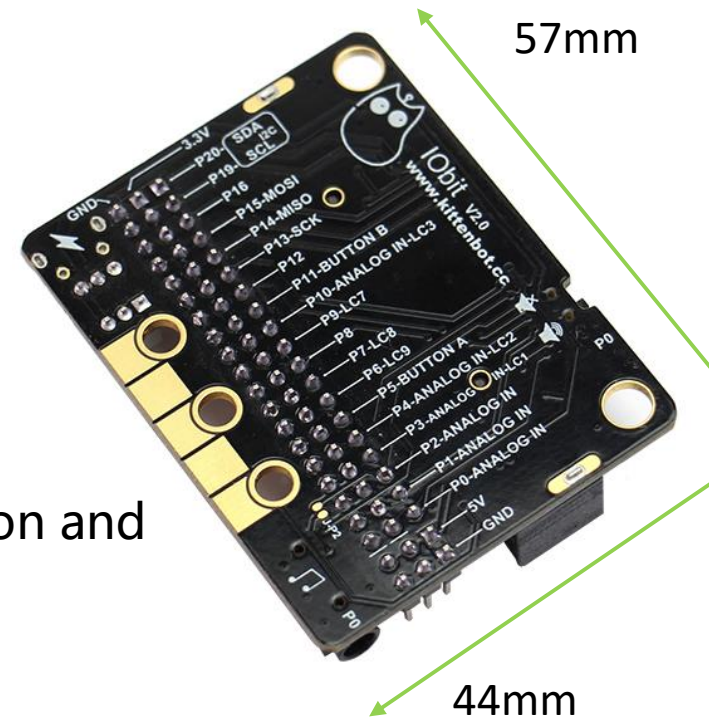
DATASHEET
SKU: KBC9009A

Product Overview

This is an I/O expansion board for micro:bit, all programmable I/O leded out to 2.54mm standard pitch of pin. In addition, Support for external power supply and contains power protection circuit.



Product Parameter

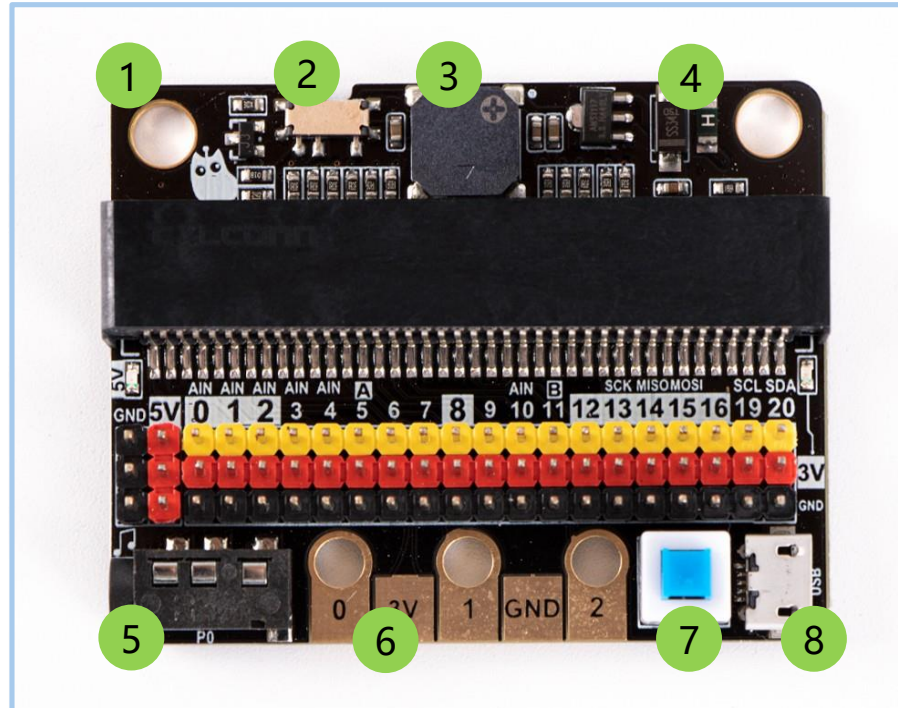


- Onboard short-circuit protection and self-recovery fuse
- With 2 LEGO standard holes

Dimension	57 x 44 x 12 mm
Power	3.3V (Micro:bit) / 5V (USB power supply)
Operating voltage	3.3V / 5V
Hardware resources	Edge connector(IO x3)、Buzzer、3.5mm audio jack、Power switch

Design Documents

Hardware

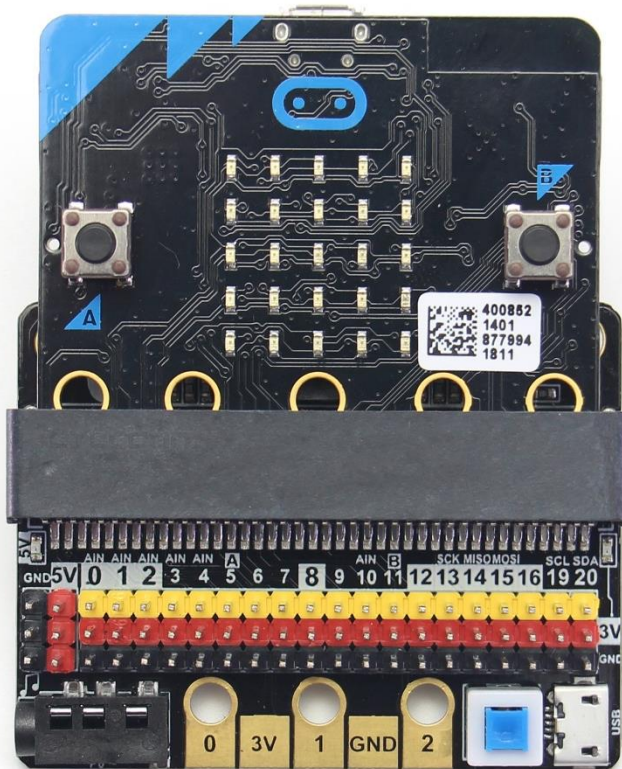


1. Standard LEGO hole	2. Buzzer switch	3. Buzzer	4. self-recovery fuse (1A)
5. 3.5mm audio jack	6. Edge connector	7. 5V power switch	8. usb charging port

Design Documents

Hardware

- Connected with micro:bit

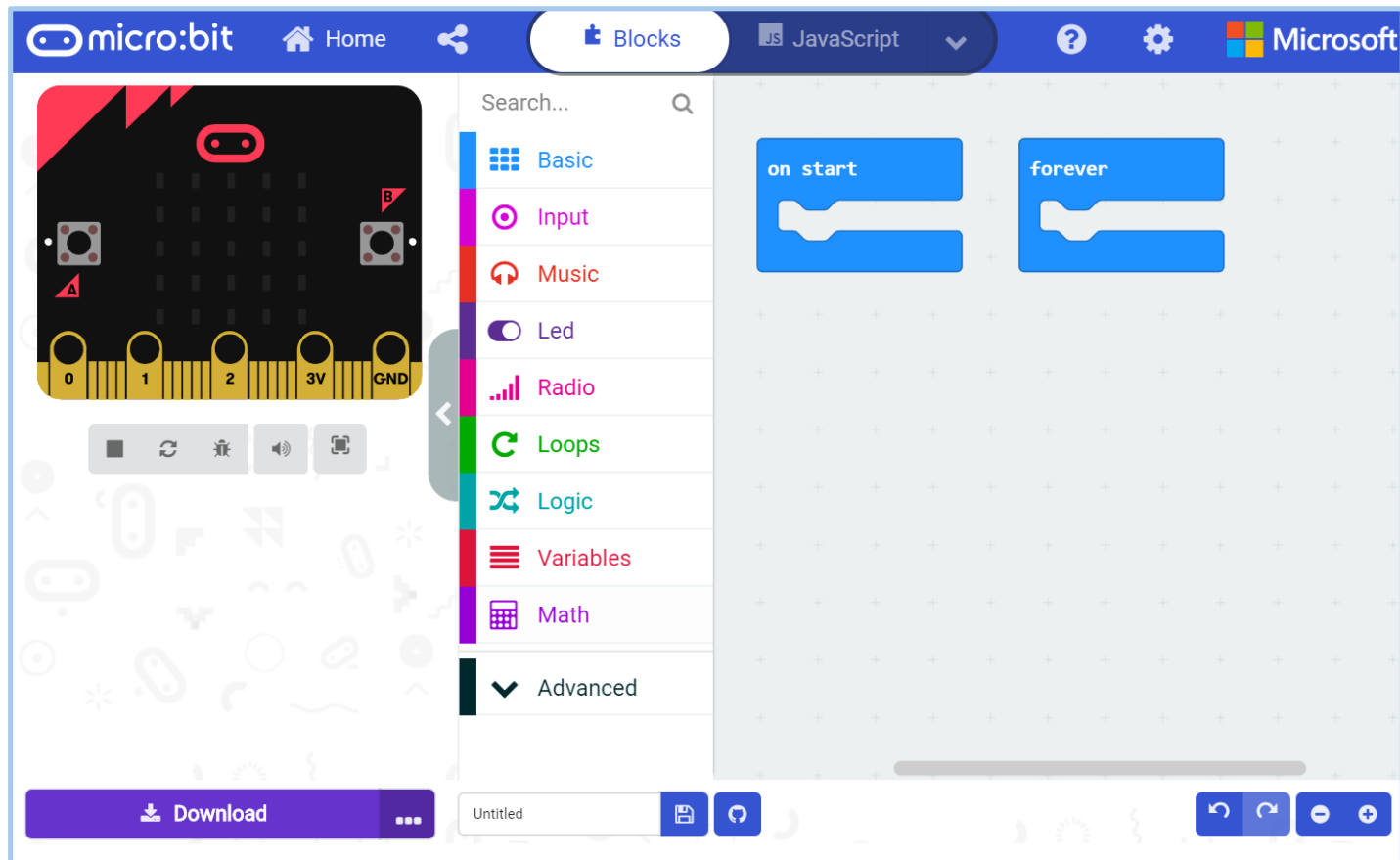


- Powered by micro:bit or Micro USB

Design Documents

Programming—Preparation

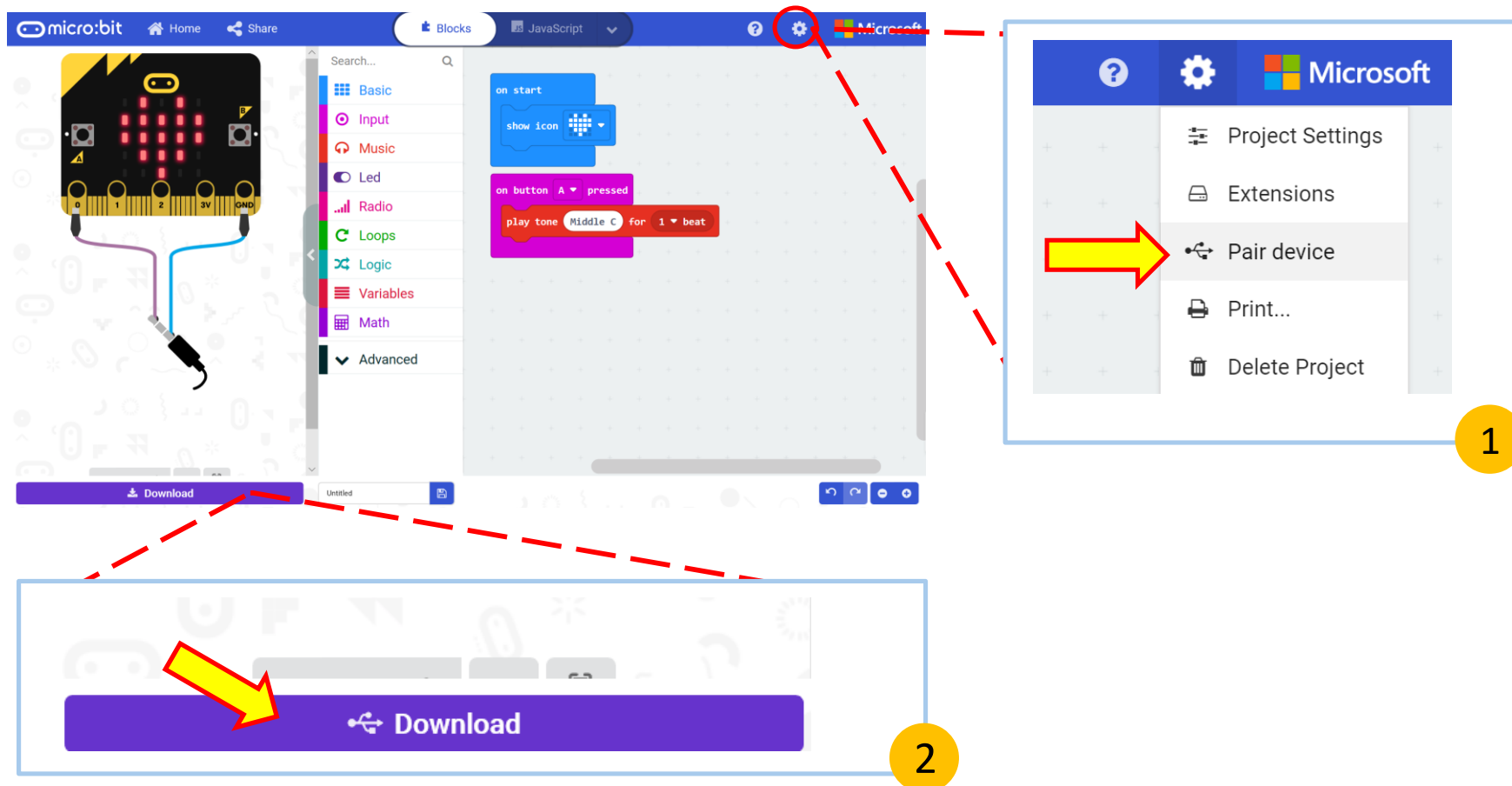
- Go to Programming platform: <https://makecode.microbit.org/>



Design Documents

Programming—Download

- Pair with the micro:bit, then you can download the program directly to the micro:bit via the Micro USB cable

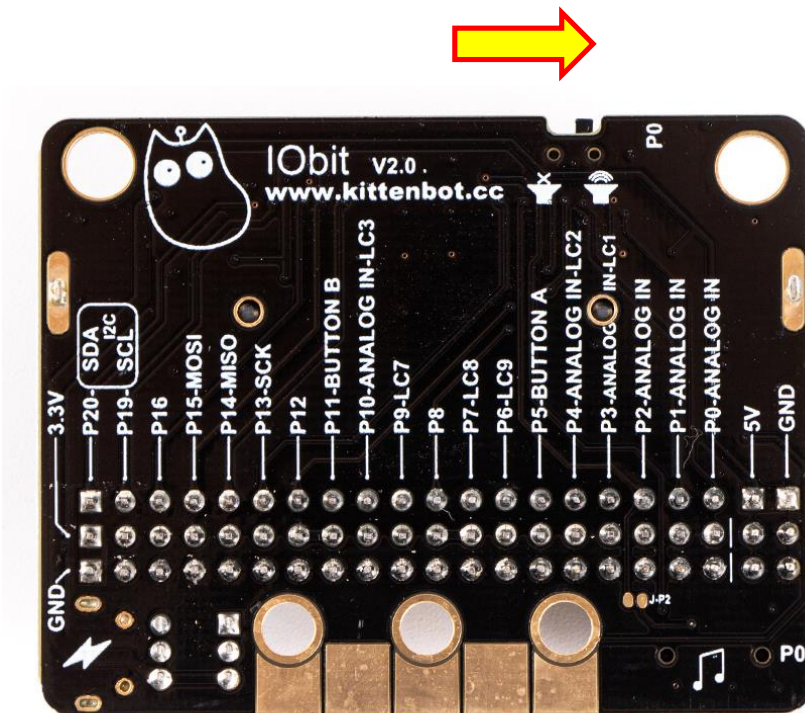


The image shows a screenshot of the micro:bit programming interface. The interface is divided into several sections: a top navigation bar with 'micro:bit', 'Home', 'Share', 'Blocks', and 'JavaScript'; a left sidebar with a search bar and a list of categories (Basic, Input, Music, Led, Radio, Loops, Logic, Variables, Math, Advanced); a central workspace with a code editor containing blocks for 'on start' (show icon) and 'on button A pressed' (play tone Middle C for 1 beat); and a bottom bar with a 'Download' button. A red dashed line highlights the gear icon in the top right corner, which is magnified in a callout box labeled '1'. This callout box shows a menu with options: 'Project Settings', 'Extensions', 'Pair device', 'Print...', and 'Delete Project'. A yellow arrow points to the 'Pair device' option. Another red dashed line highlights the 'Download' button in the bottom bar, which is magnified in a callout box labeled '2'. This callout box shows a yellow arrow pointing to the 'Download' button.

Design Documents

Programming—Use buzzer

- Make sure the buzzer switch is on



- Loop play do re mi

