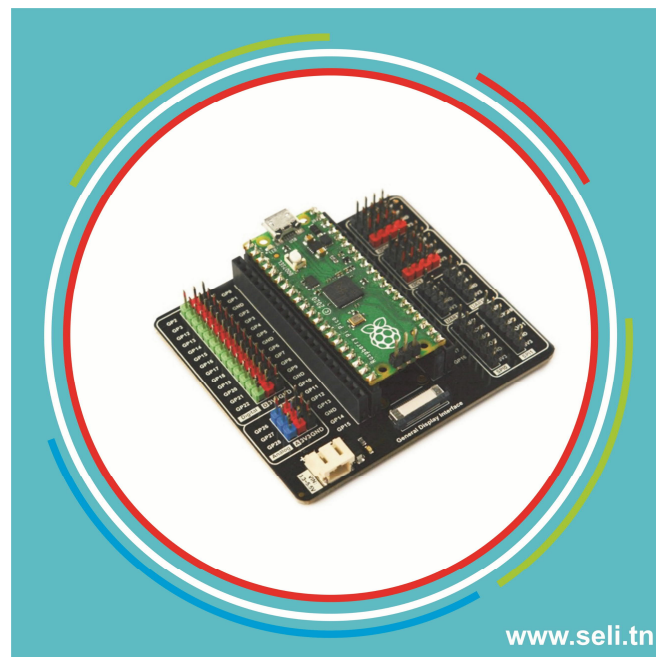


BOU020

BOUCLIER D'EXTENSION POUR RASPBERRY PICO DFR0848



Introduction

This Gravity Expansion Board, specifically designed for Raspberry Pi Pico, is compatible with a variety of Gravity sensors and modules. With all pins led out, you can directly use it without soldering. Additionally, the board offers various communication ports including, 2 x I2C , 2 x UART, 2 x SPI, 3 x analog IOs and 13 x digital IOs as well as a 3.3~5.5V power connector and GDI port, which provides you with an easier way to prototype.

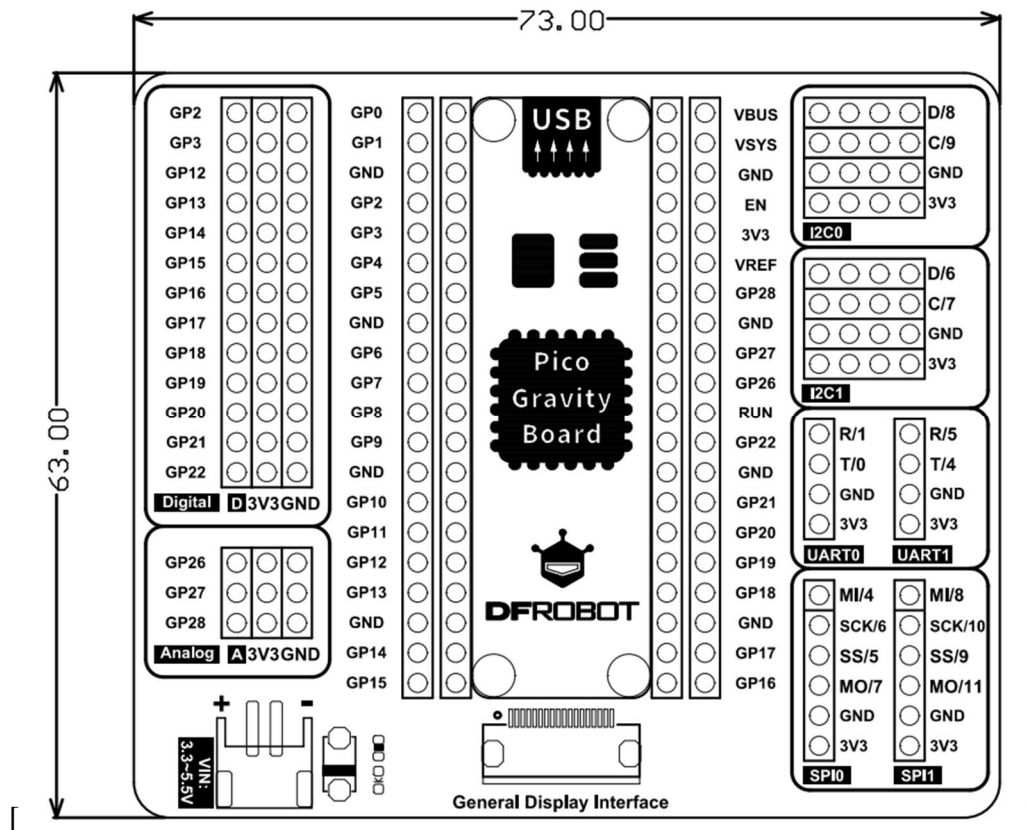
Features

- No need to weld, plug and play.
- Support all kinds of Gravity sensor and modules
- Comes with 3.3~5.5 V PH2.0 power interface, applicable to mobile projects
- Onboard GDI port, compatible with DFRobot-GDI series display

Specification

- All pins brought out onto female pin headers
- Digital IO x 16: GP2, GP3, GP12-22
- Analog IO x 3: GP26-GP28
- UART x 2
- I2C x 2
- SPI x 2

- PH2.0 Power Connector: 3.3 V-5.5 V
- Display Screen Interface: GDI
- Dimension: 29.00 mm×58.00 mm/1.14×2.28 inch



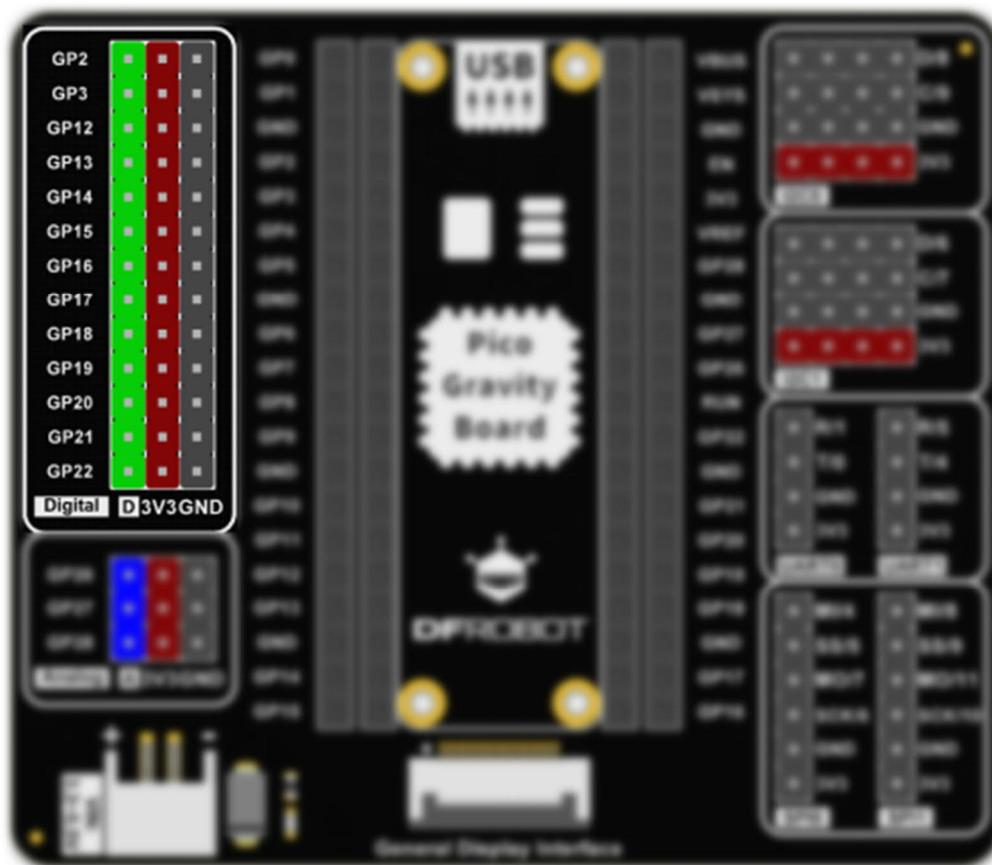
Official Tutorials

- [Get Started with MicroPython on Raspberry Pi Pico](#)
- [Download books related to Raspberry Pi](#)
- [Raspberry Pi Pico Schematics](#)
- [Pico Pinout](#)
- [Pico Getting Started Manual](#)
- [Pico C SDK Manual](#)
- [Pico Python SDK Manual](#)
- [Pico Data Manual](#)
- [RP2040 Data Manual](#)
- [RP2040 Hardware Design Reference Manual](#)

Function Description

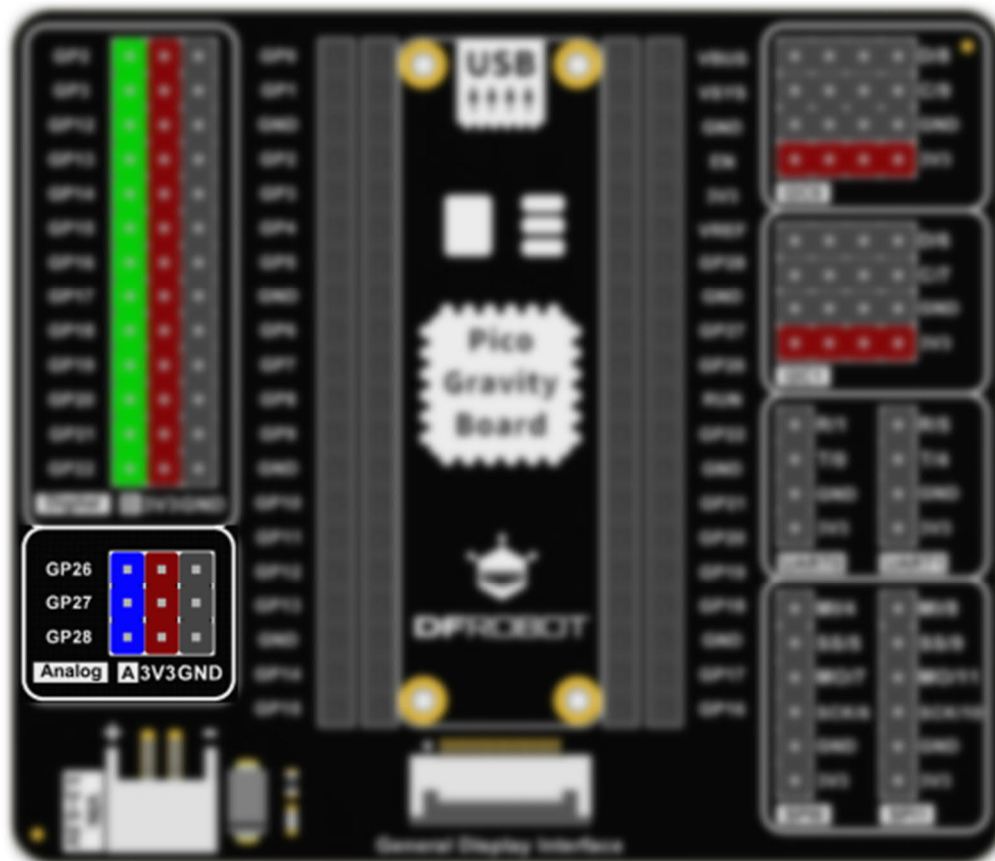
Digital Port

IO expansion shield provides 13 groups of digital ports including GP2, GP3, and GP12~22.



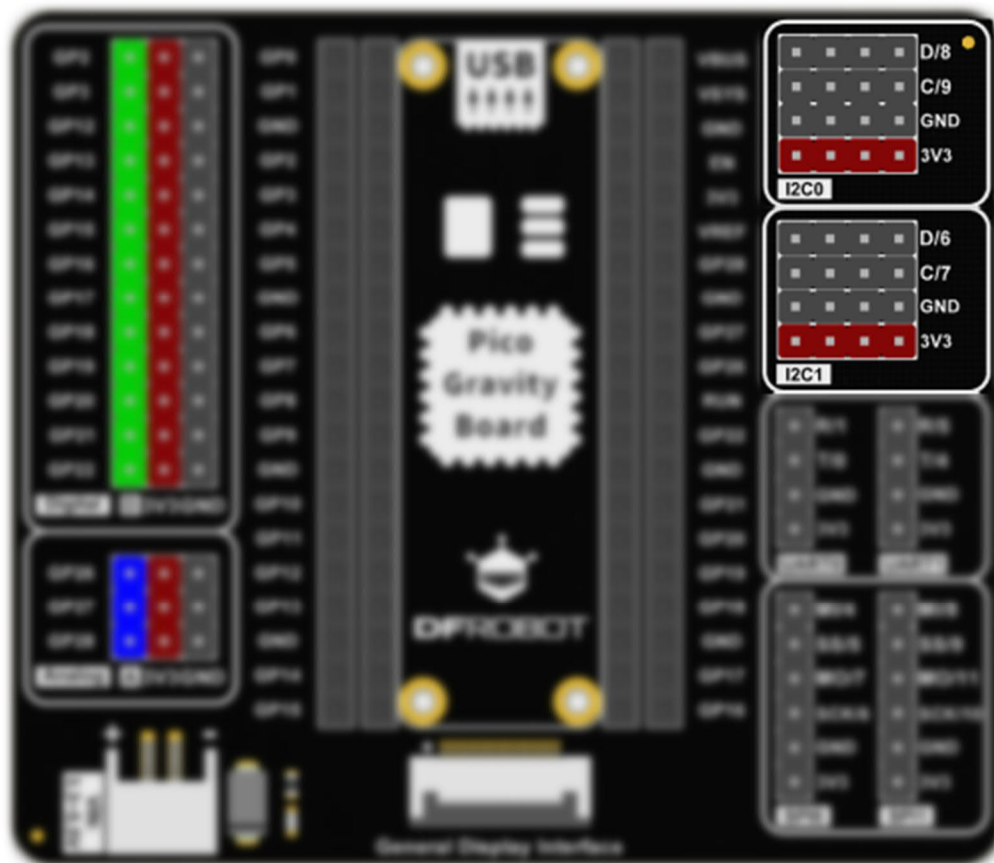
Analog Port

IO expansion shield provides 3 groups of analog ports including GP26~28



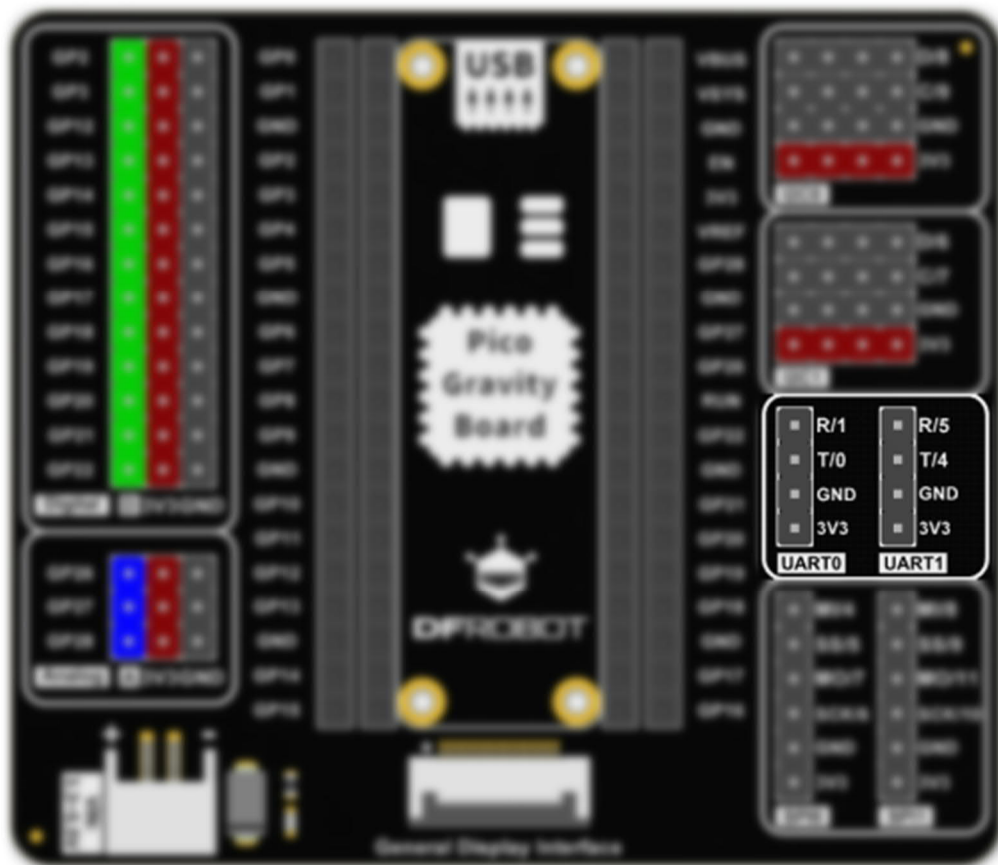
I2C Port

IO expansion shield provides 2 groups of independent I2C ports.



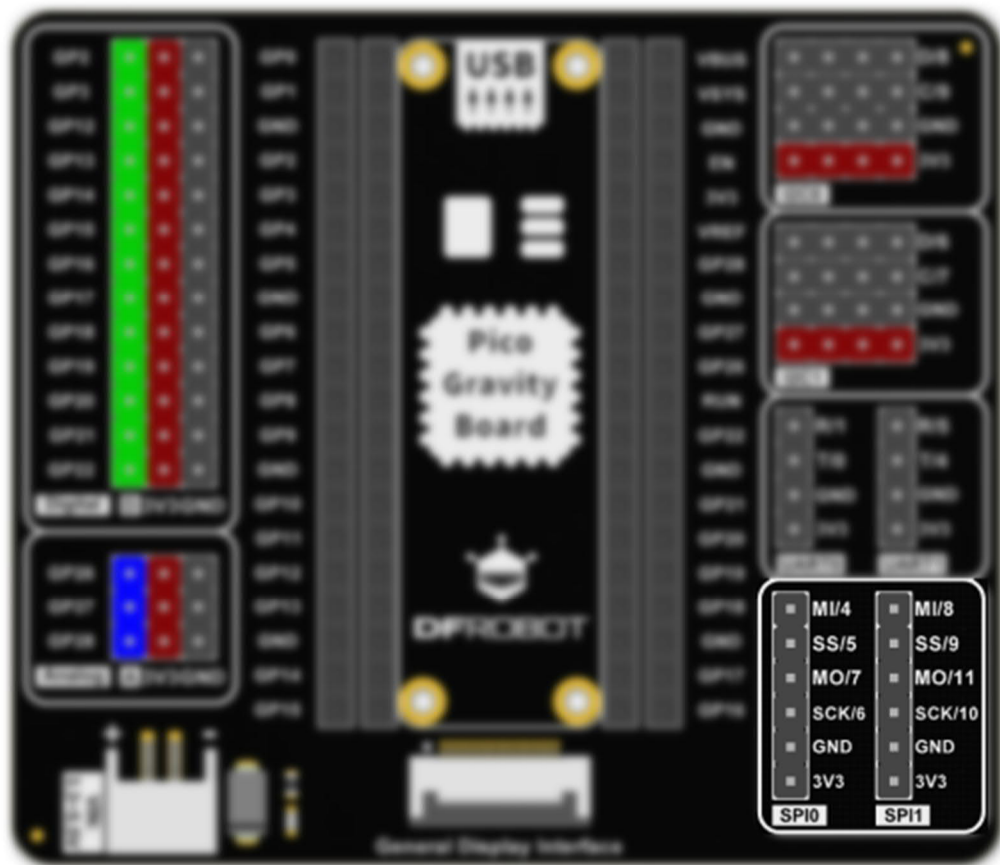
UART Port

IO expansion shield provides 2 groups of independent UART ports.



SPI Port

IO expansion shield provides 2 groups of SPI ports.



FAQ
