

Resurrection

Breakout Data Sheet

BR 150716

SPECIFICATIONS

- > **MCU Footprint:** BITalino (r)evolution
- > **Connector Footprint:** RJ22 sockets; 4-pin Molex Sherlock sockets; Header pins
- > **Analog Ports:** A1-A6 + PWM
- > **Digital Ports:** I1&I2 + O1&O2
- > **Size:** 70x60x1mm

FEATURES

- > Enables easy block exchange
- > Pinout matching individual BITalino blocks
- > Power pins for easy voltage supply
- > UART pins for easy interface connection
- > VCC, VCC/2, GND, I/O pin clusters

APPLICATIONS

- > Rebuild a Board from individual blocks
- > Build a Plugged from individual blocks
- > Hardware prototyping

GENERAL DESCRIPTION

Either if you want to rebuild your BITalino (r)evolution after snapping off a few blocks, interchange the peripherals between the BITalino (r)evolution MCU and third party systems (e.g. an Arduino), create a bespoke configuration, or have a way of prototyping custom sensors and accessories with multipoint access to power pins, this is the right tool for you. The BITalino Resurrection provides pin clusters for the BITalino (r)evolution MCU, UART, and power, making it easy to connect and interchangeably use different components. The analog and digital ports are also exposed in individual pin clusters with VCC, VCC/2, GND, and I/O (a practical feature when prototyping your hardware), in which the pitch and layout of the pins enables the use of standard PCB headers or RJ22 or 4-pin Molex Sherlock sockets for greater convenience.

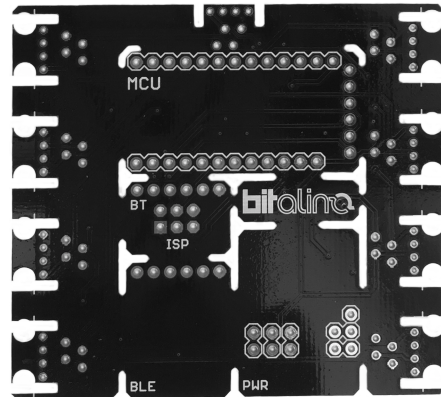


Fig. 1. Breakout board with all pins easily accessible (BITalino (r)evolution MCU footprint).

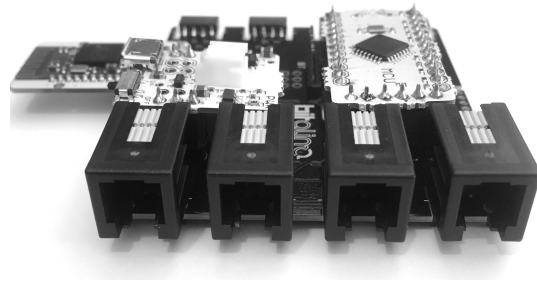


Fig. 2. Make bespoke BITalino (r)evolution configurations.

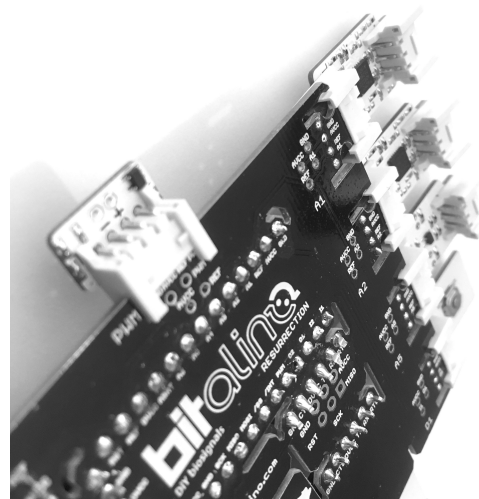


Fig. 3. Rebuild your BITalino (r)evolution from the individual components.



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BEWARE: DIRECT OR INDIRECT COUPLING TO THE MAINS MAY RESULT IN SHOCKING HAZARD

