

# Digital-to-Analog Converter (DAC) Actuator Data Sheet

DAC 050516

## SPECIFICATIONS

- > **Range:** 0-3.3V (with VCC=3.3V)
- > **Output Current:** 5mA (max.)
- > **Bandwidth:** 0-8.7Hz
- > **Consumption:** ~17 $\mu$ A
- > **Input Voltage Range:** 1.8-5.5V

## FEATURES

- > PWM input
- > Filtered output
- > Small form factor
- > Easy-to-use

## APPLICATIONS

- > Synchronization with third-party devices
- > Control of third-party devices (e.g. LED)
- > Event annotation

## GENERAL DESCRIPTION

This block provides a controllable analog output to drive basic actuators, for synchronization with third-party devices via their analog input ports or for multi-level event annotation. When used with BITalino (r)evolution, this actuator connects to the PWM port enabling an 8-bit output resolution. The on-board filter guarantees a steady (non-pulsated) output easily handled on the target device.

## ORDERING GUIDE

Part #	Description
SENS-DAC-NC	Digital-to-Analog Converter (DAC) without connectors
SENS-DAC-UCE6	Digital-to-Analog Converter (DAC) with UC-E6 socket for seamless plug & play connection to a BITalino (r)evolution Plugged or Core
SENS-DAC-SHER4	Digital-to-Analog Converter (DAC) with a Molex Sherlock 4-pin socket for easy power and signal cable connection or pin breakout using PCB wires

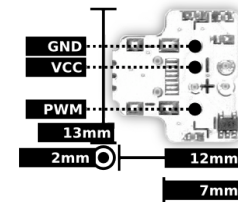


Fig. 1. Pin-out and physical dimensions.

# bitalino

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