

# LED

## Actuator Data Sheet

LED 090616

### SPECIFICATIONS

- > **Color:** Green
- > **Consumption:** ~10mA

### FEATURES

- > Onboard current-limiting resistor
- > Small form factor
- > Easy-to-use

### APPLICATIONS

- > Synchronization with video camera
- > Optical marking
- > Visual feedback

### GENERAL DESCRIPTION

The LED is typically used to provide visual feedback to the user. However, a common need when working with biosignals is the synchronization of the recorded data with image capture devices (e.g. a video camera). If applied to a camera lens, the LED can be used to introduce common markers in the recording, hence providing a synchronization source. The LED can also be useful for optical synchronization with third-party devices (provided that the such device has a photo detector), in applications where it is important to have electrical decoupling between devices.

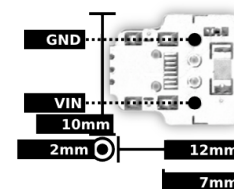


Fig. 1. Pin-out and physical dimensions.

### ORDERING GUIDE

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



PLUX – Wireless Biosignals, S.A.  
Av. 5 de Outubro, n. 70 – 8.  
1050-059 Lisbon, Portugal  
bitalino@plux.info  
<http://bitalino.com/>

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