LED
Actuator Data Sheet

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.

ORDERING GUIDE

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACT-LED-NC</td>
<td>LED without connectors</td>
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<tr>
<td>ACT-LED-UCE6</td>
<td>LED with UC-E6 socket for seamless plug &amp; play connection to a BiTalino (r)evolution Plugged or Core</td>
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<tr>
<td>ACT-LED-SHER4</td>
<td>LED with a Molex Sherlock 4-pin socket for easy power and signal cable connection or pin breakout using PCB wires</td>
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BEWARE: DIRECT OR INDIRECT COUPLING TO THE MAINS MAY RESULT IN SHOCKING HAZARD