1. Introduction

Use the LED-ring deck to create visual effects or to give feedback from the firmware or sensors. The LEDs can be programmed individually or pre-configured patterns/functions can be selected.

2. Features

- DC-DC step-up/down gives stable LED light independent of battery voltage
- Create custom patterns using the Crazyflie 2.0 firmware
- 12 RGB LED modules facing downwards
- 2 strong LEDs facing forward
- Automatic detection of expansion board using 1-wire memory

3. Electrical specification

- DC-DC step-up/down gives up to 1A at 3.8V from input between 2.5-5.5V
- 12 independently addressable RGB LED modules facing downwards (W2812B)
- 2 strong white LEDs facing forward, emitting more than 1800 mcd
- 1-wire memory for automatic expansion board detection
- Typical power consumption: 330mA @ 5.0V and 680mA @ 3.0V

4. Mechanical specifications

- Weight: 3.3g
- Size (WxHxD): 33x33x5.5mm
- Designed for mounting under the Crazyflie facing downwards

5. Mechanical drawing
6. Package contents
   - 1 x LED-ring deck

7. Errata

8. Hardware revisions

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9. History

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