

ProjectName - Documentation

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1 Concepts

Brief concept of the project.

1.1 concept-placeholder



Figure 1: Main PCB

This describes the first concept. e.g. “this project combines sound, light and an ethernet interface”

...

2 Hardware



Figure 2: PCB front



Figure 3: PCB back

2.1 Functional Description

Introduction in what does what.

2.2 topic1

This describes first hardware topic. e.g. LED driver and LEDs.

3 Software

3.1 Firmware

3.2 Other software (gui ect)

4 Tests

Here go tests and results for this project.

4.1 Test1

LED Light tests.

4.1.1 Test Procedure

Measured LEDs running different input currents, PWM, ...

4.1.2 Result and Solution

LEDs were too dim. Upgraded to new leds

4.2 Test2

LED Temperature testing

4.2.1 Test Procedure

Measured LED Temperatur over time using varring currents, PWM, ...

4.2.2 Test Result and Solution

LEDs running to hot. Adjusting switching frequency on LED-Driver and adding heatsinks to LED-PCBs.

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