

# TestReport

## Microscope LED

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## Inhoud

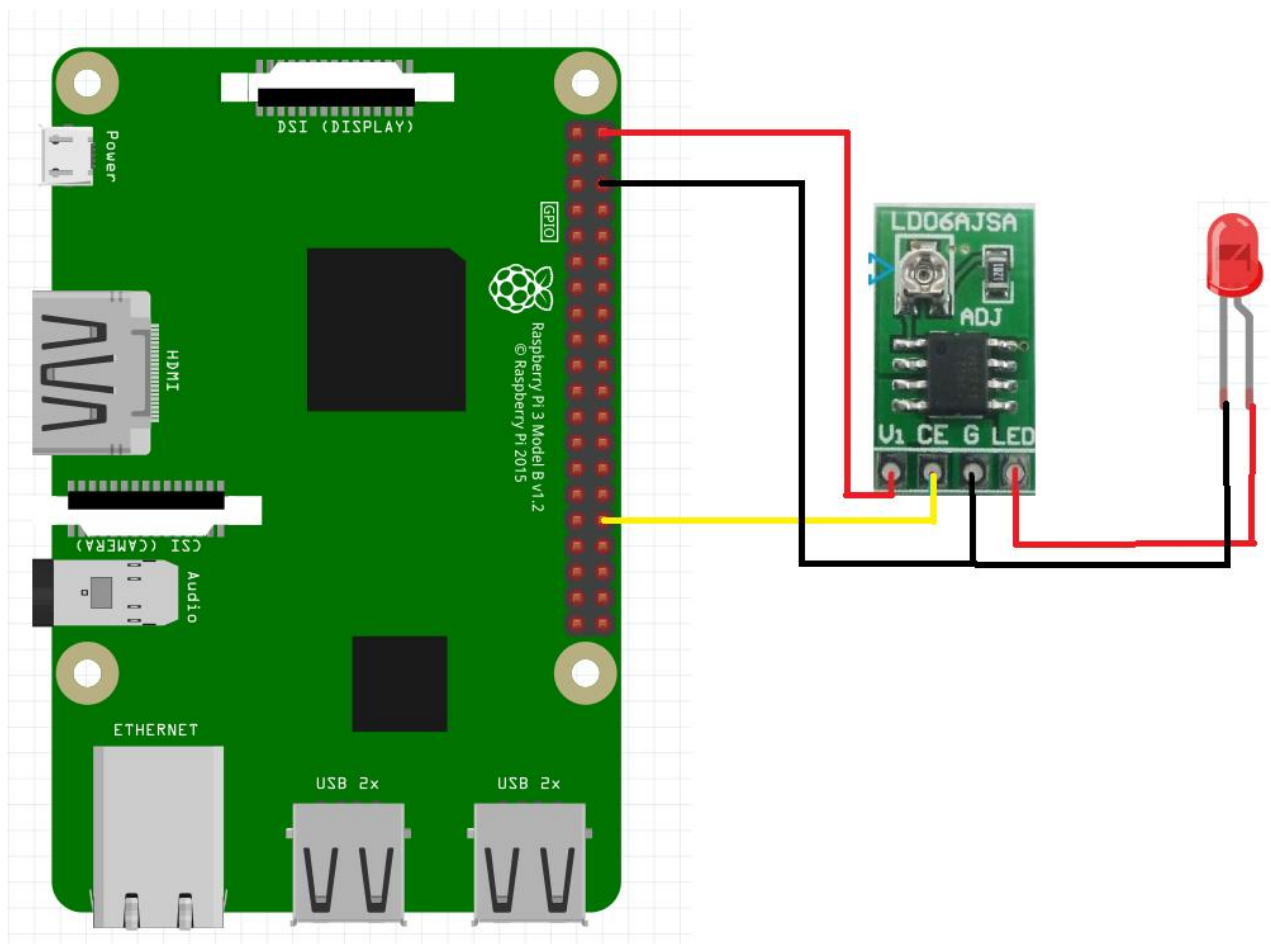
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## Component Information

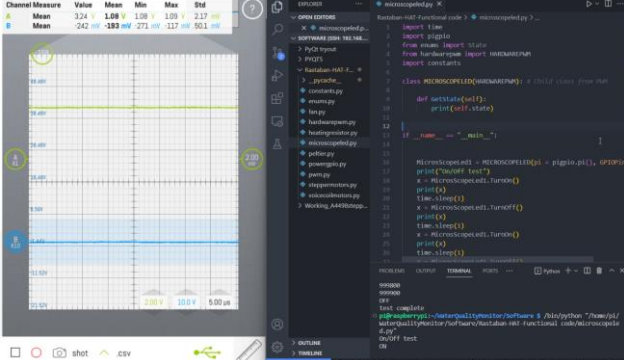
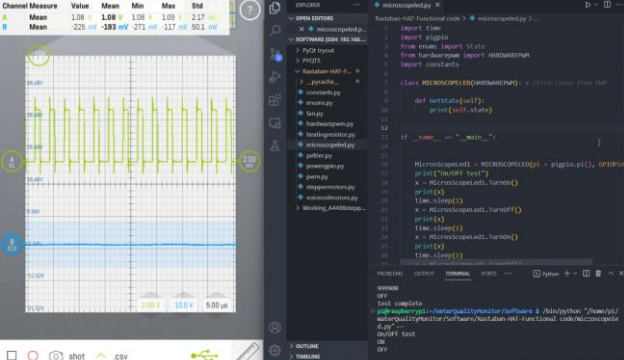
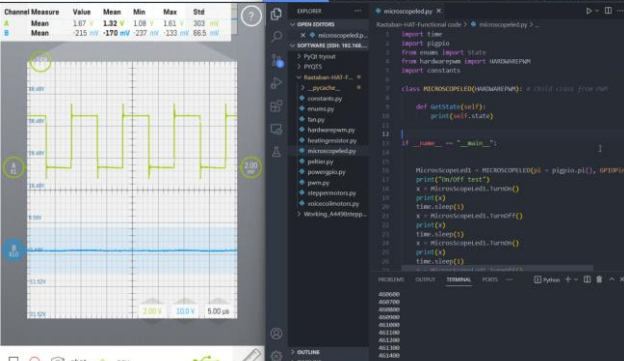
The component that will be tested in this test report will be the microscope LED. This component is responsible for creating sufficient light for the camera module.

## Test Setup

- Testing equipment:
  - o Hardware:
    - LabNation Cross Platform Oscilloscope
  - o Software:
    - VSC
    - SSH connection to RPI
    - Smartscope
- Setup hardware/software



## Test Results

Test	Test passed if:	Observations	Test passed	Test Failed	Pictures	Notes
T1.0	Device turns on	Device turns on	X			
T1.1	Device turns off	Device turns off	X			Expected 0V flat line, not this pwm wave
T1.2	PWM control works	LED dims and brightens	X			

## Further actions

- Since the LED seems to be turned off enough to not be visible for the human eye it may be enough to leave things as they are regarding this strange signal.