

$$2.8 \text{ V for } \mu\text{C}$$

$$V_{out} = 0.765 \text{ V} \left(1 + \frac{(27\text{k}/10.15\text{k})}{27\text{k}/10.15\text{k}} \right) = 2.8 \text{ V}$$


Diode: 1.7 V, 2 mA

$P = 2.161 \text{ mW}$
Can be left out in a later version!

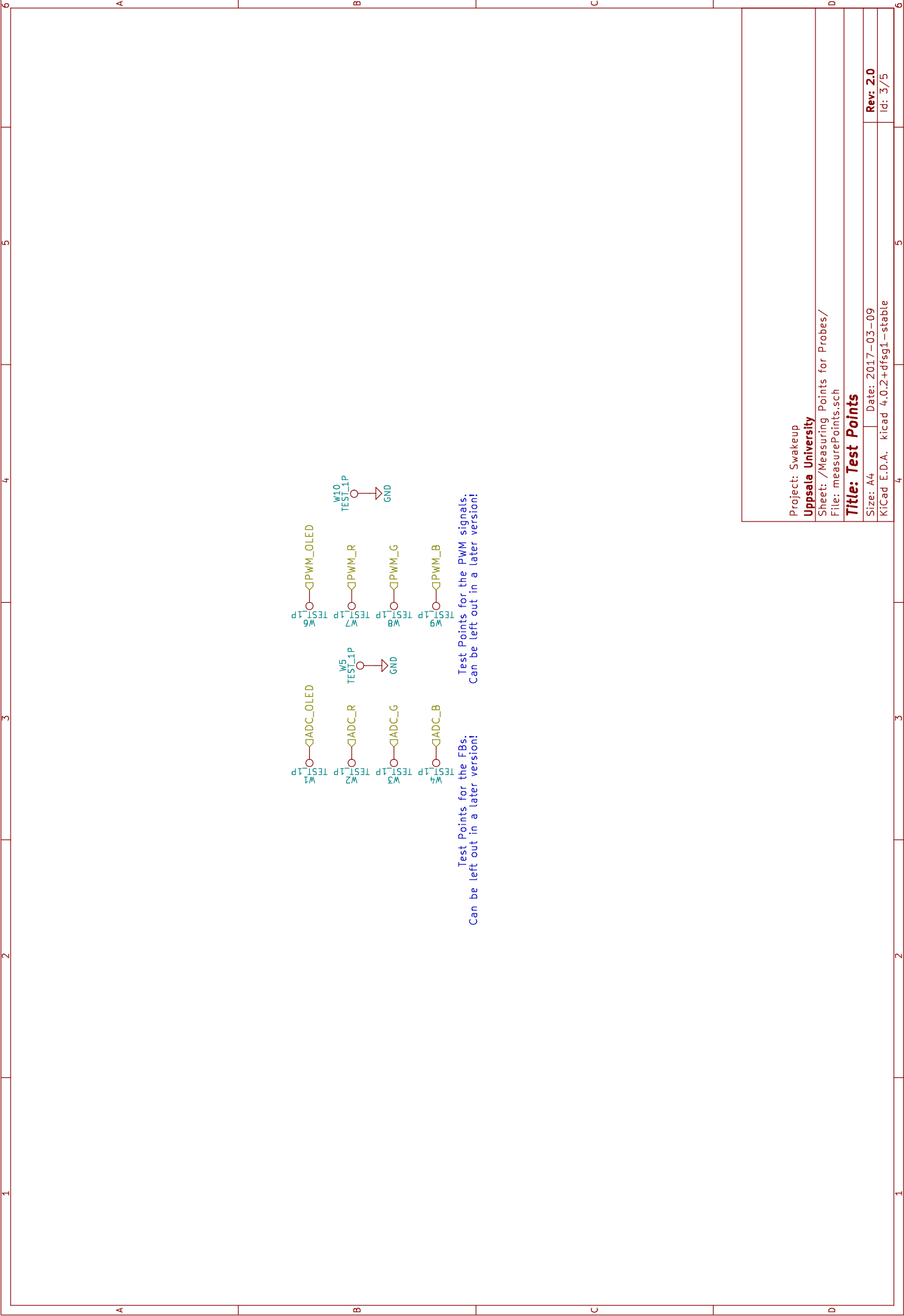
$$\begin{aligned} V_{out,max} &= 5 \text{ V} \\ A_{out,max} &= 2 \text{ A} \end{aligned}$$


Diode: 1.7 V, 2 mA

$P = 7.26 \text{ mW}$
Can be left out in a later version!



Simple S0T-23-6 IC for detecting proprietary and open standards used by a device and providing the corresponding electrical signature at the data lines (voltage or impedance).



W4

TEST_1P

○

○

ADC_B

W5

TEST_1P

○

○

GND

W6

TEST_1P

○

○

PWM_OLED

W7

TEST_1P

○

○

PWM_R

W8

TEST_1P

○

○

PWM_G

W9

TEST_1P

○

○

PWM_B

W10

TEST_1P

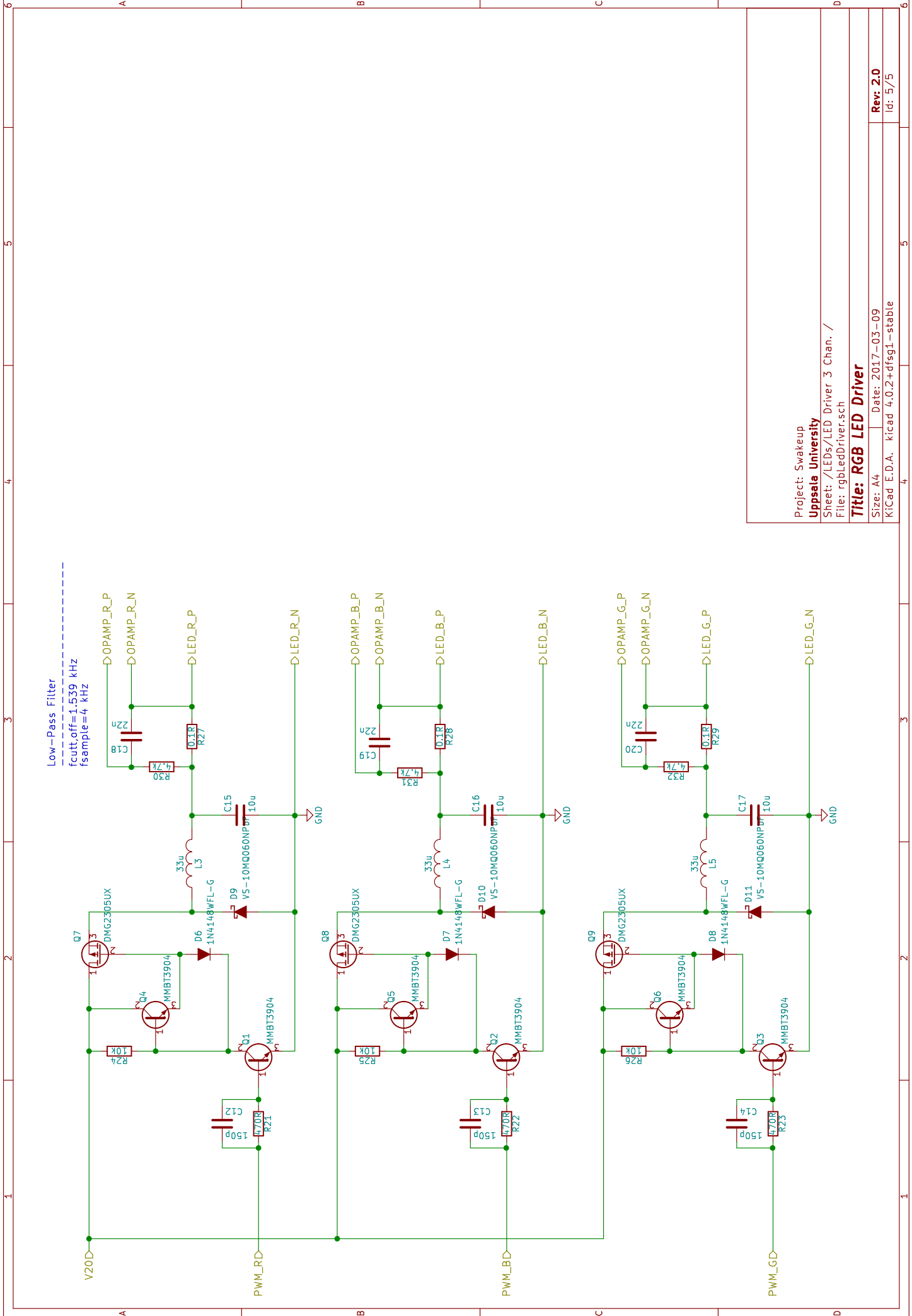
○

○

GND

Test Points for the FBs;
Can be left out in a later version!

Test Points for the PWM signals;
Can be left out in a later version!



Project: Swakeup
Uppsala University

Sheet: /LEDs/LED Driver 3 Chan. /
File: rgbLedDriver.sch

Title: RGB LED Driver

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