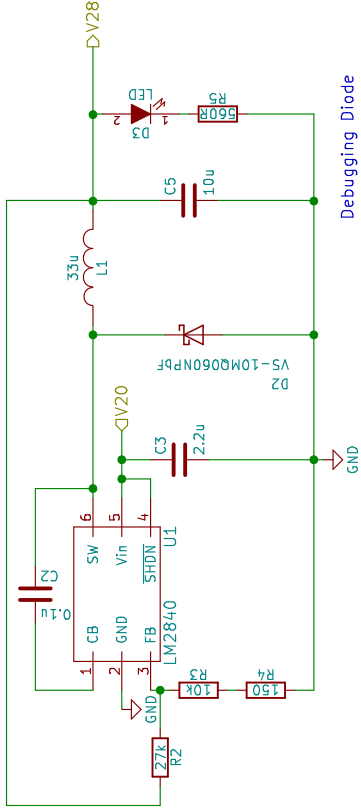


2.8 V for μC
 $V_{out} = 0.765 \text{ V} (1 + (27k / 10.15k)) = 2.8 \text{ V}$
 $27k / 10.15k = 2.66$

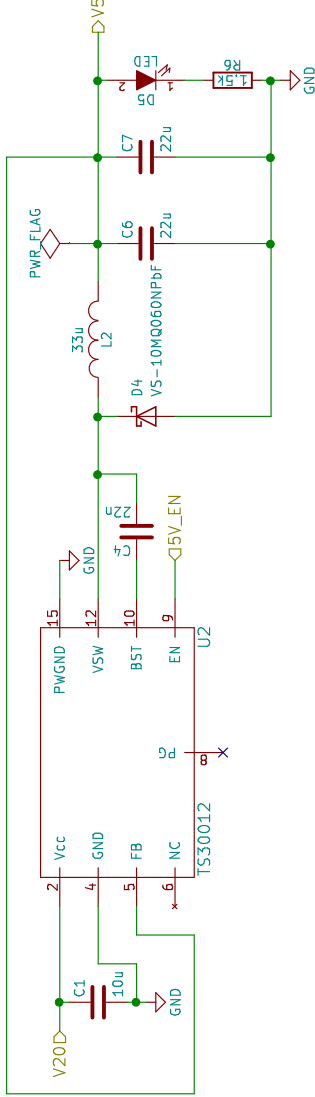


Debugging Diode

Diode: 1.7 V, 2 mA
 $P = 2.161 \text{ mW}$
 Can be left out in a later version!

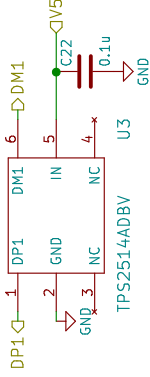
5V for Mobile Phone

$V_{out,max} = 5 \text{ V}$
 $A_{out,max} = 2 \text{ A}$



Debugging Diode

Diode: 1.7 V, 2 mA
 $P = 7.26 \text{ mW}$
 Can be left out in a later version!

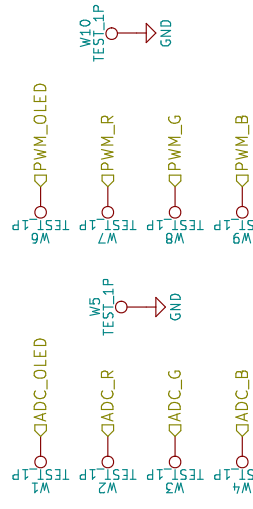


USB Dedicated Charging Port Control.

Simple SOT-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).

Uppsala University
 Sheet: /Bucket Converters/
 File: bucketConv.sch
Title: Bucket Converters for 5 V and 2.8 V

Size: A4 Date: 2016-12-30 Rev. 1.0
 KiCad E.D.A. kicad 4.0.5+dfsg1-4 Id: 2/5



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

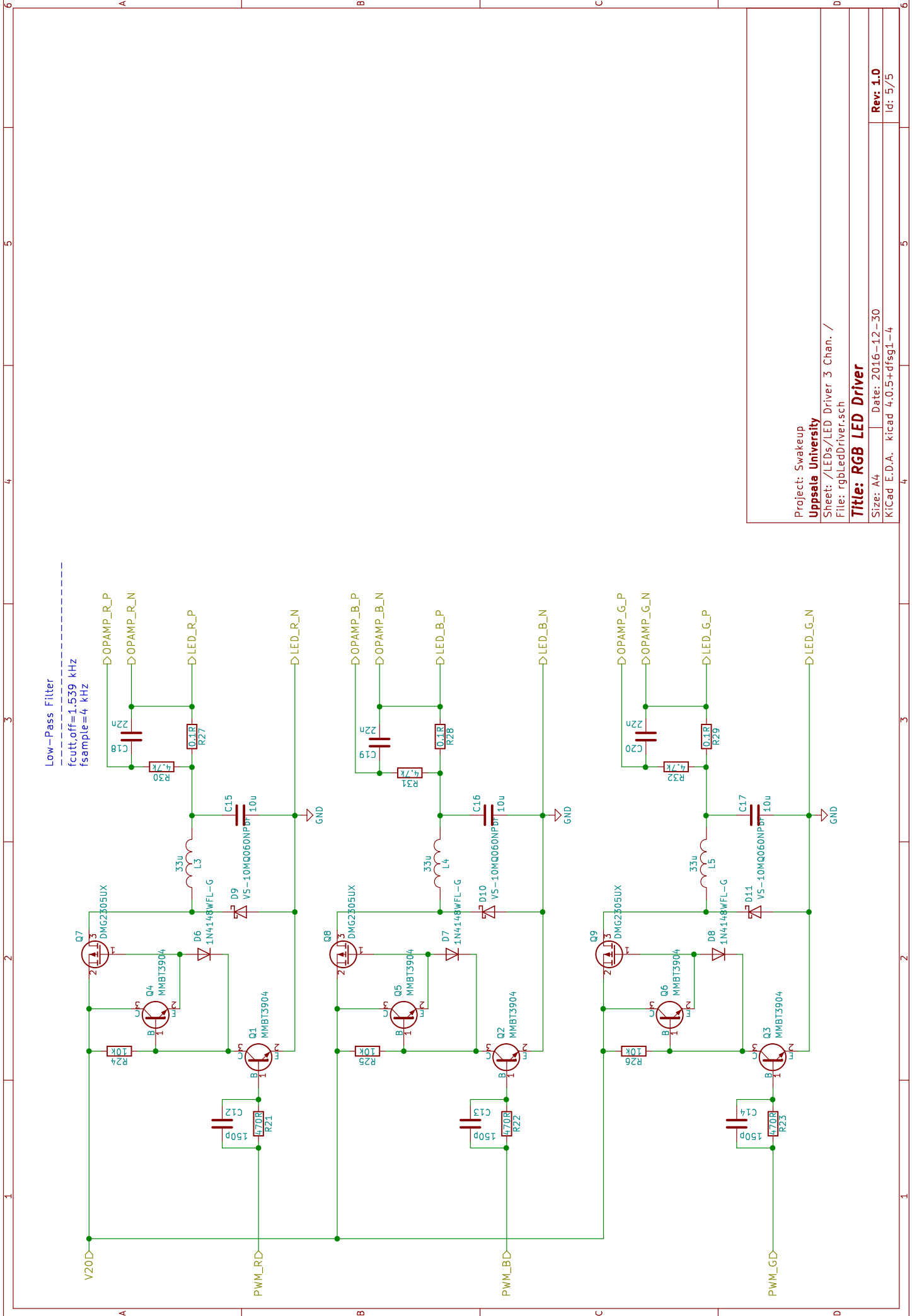
Test Points for the PWM signals.
Can be left out in a later version!

Project: Wakeup
Uppsala University

Sheet: /Measuring Points for Probes/
File: measurePoints.sch

Title: Test Points

Size: A4	Date: 2016-12-02	Rev: 1.0
KiCad E.D.A.	kiCad 4.0.5+dfsg1-4	Id: 3/5



Project: Awakeup

Uppsala University

Sheet: /LEDs/LED Driver 3 Chan. /

File: rgbLedDriver.sch

Title: RGB LED Driver

Size: A4

Date: 2016-12-30

KiCad E.D.A. kicad 4.0.5+dfsg1-4

Rev: 1.0

Id: 5/5