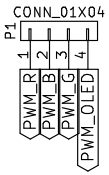
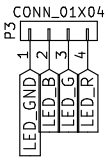
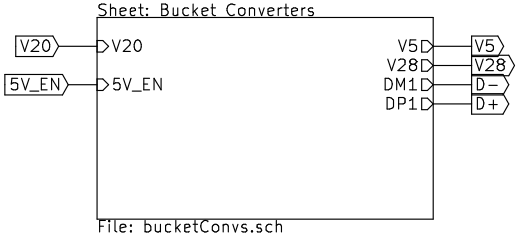
PWM



LED

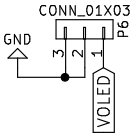


Sheet: Bucket Converters

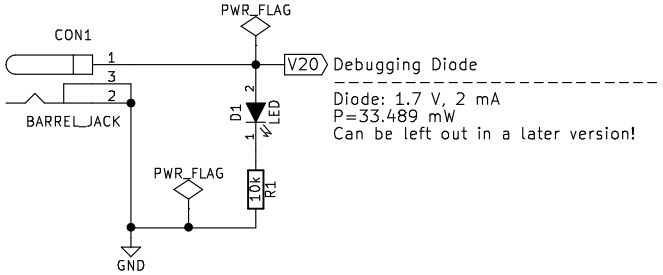


File: bucketConvs.sch

SCREEN

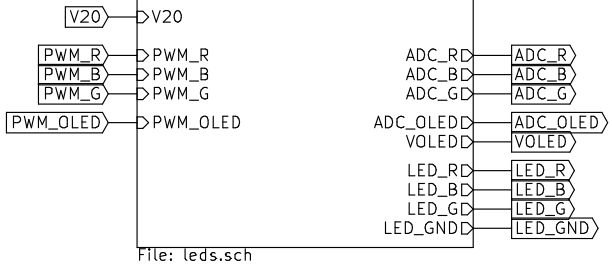


PWR_FLAG: No driver needed (done by ext. device).

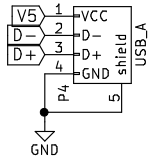


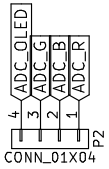
Diode: 1.7 V, 2 mA
P=33.489 mW
Can be left out in a later version!

Sheet: LEDs



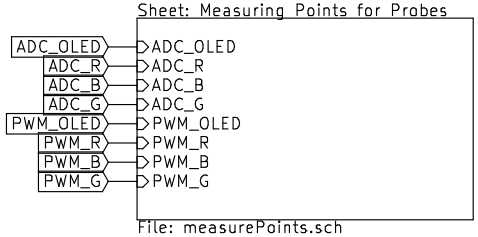
File: leds.sch



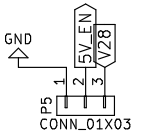


ADC

Sheet: Measuring Points for Probes



File: measurePoints.sch



Power for µC

Project: Swakeup
Uppsala University
Sheet: /
File: power.sch

Title: Power Board

Size: A4	Date: 2016−12−30	**Rev: 1.0**
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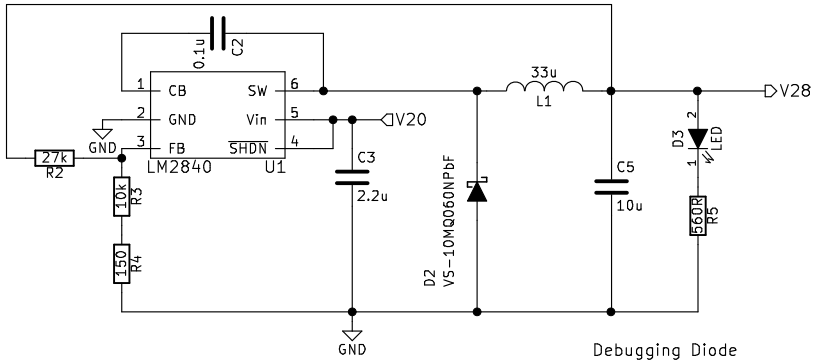
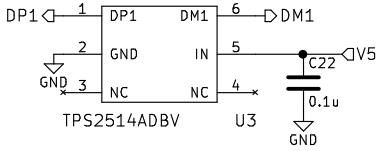
2.8 V for µC

Vout=0.765 V (1 + (27k/ 10.15k))=2.8 V
27k/10.15k= 2.66



Debugging Diode

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

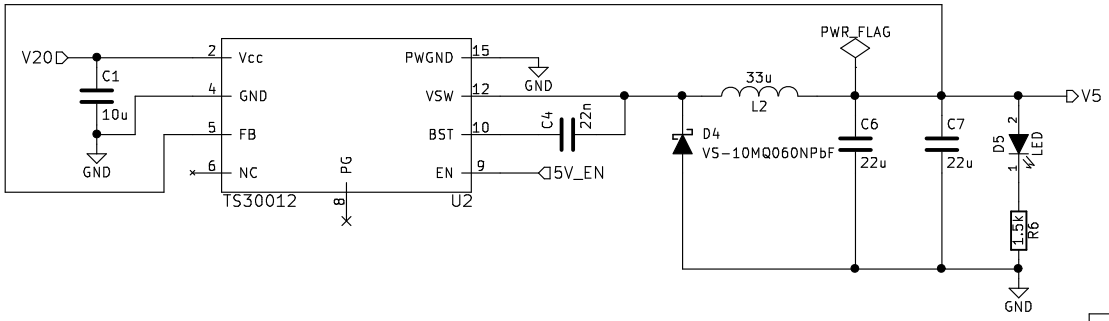


USB Dedicated Charging Port Control.

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

5V for Mobile Phone

Vout,max=5 V
Aout,max = 2A



Debugging Diode

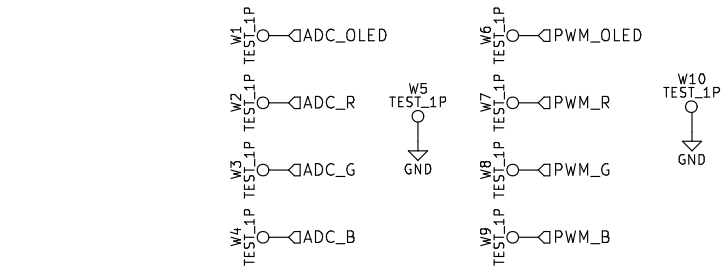
Diode: 1.7 V, 2 mA
P=7.26 mW
Can be left out in a later version!

Uppsala University

Sheet: /Bucket Converters/
File: bucketConvs.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 4.0.2+dfsg1-stable		Id: 2/5



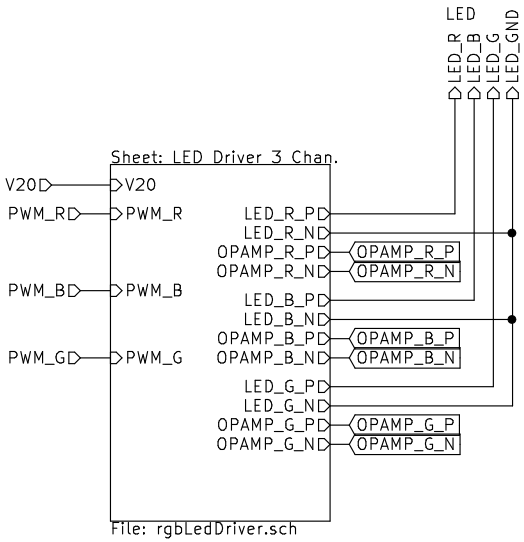
Test Points for the FBs.
Can be left out in a later version!

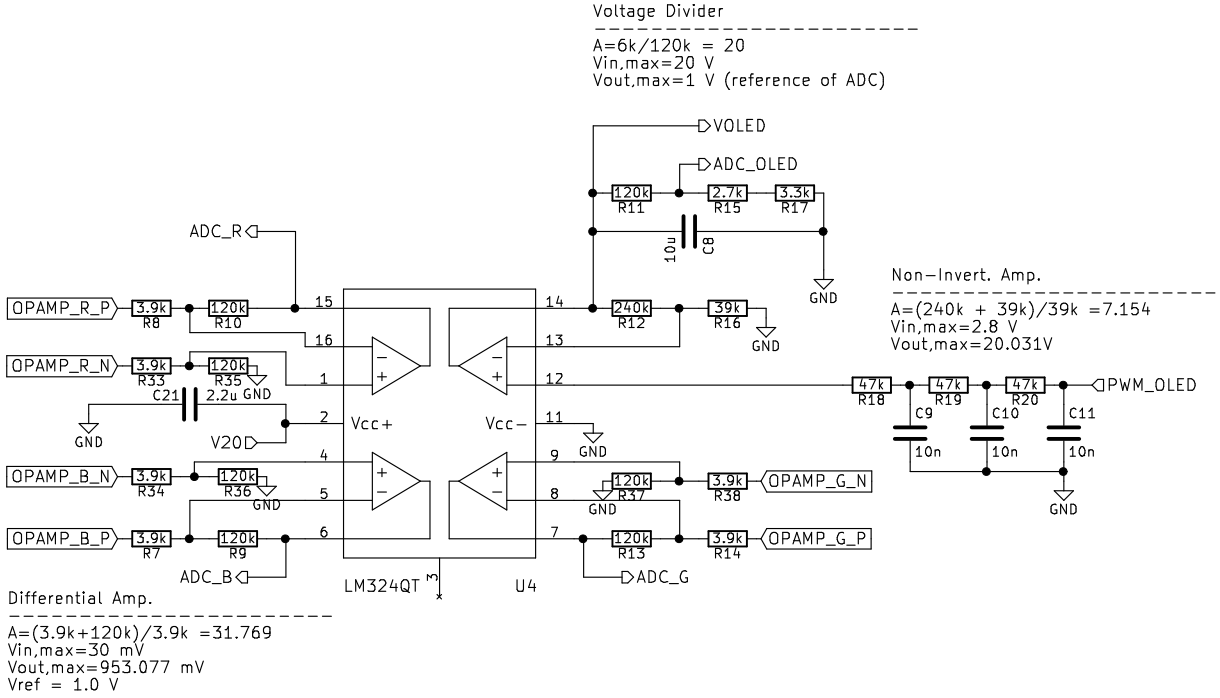
Test Points for the PWM signals.
Can be left out in a later version!

Project: Swakeup
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 4.0.2+dfsg1-stable		Id: 3/5

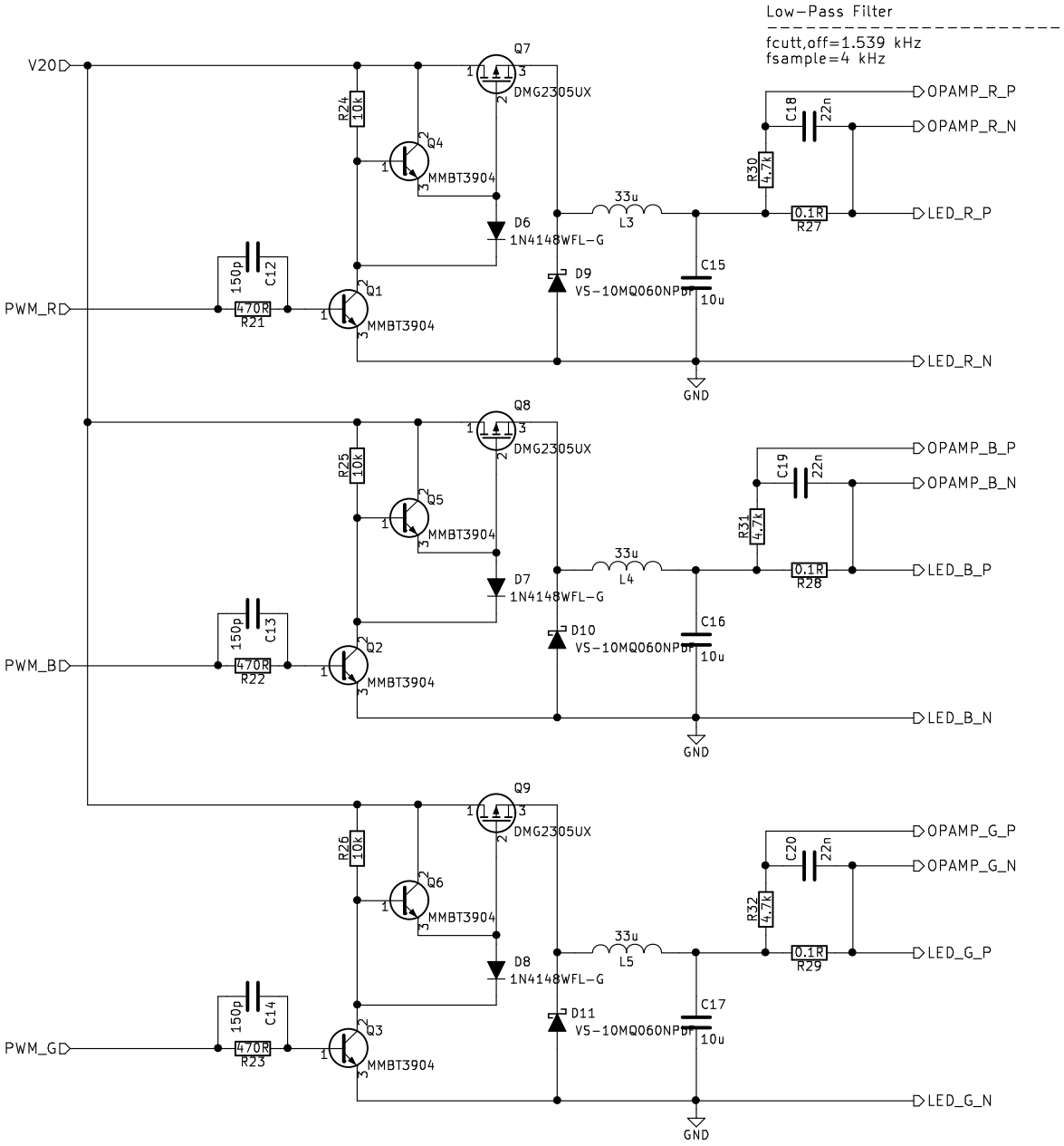




Project: SwakeUp
Uppsala University
Sheet: /LEDs/
File: leds.sch

Title: LEDs

Size: A4	Date: 2016−12−30	**Rev: 1.0**
KiCad E.D.A. kicad 4.0.2+dfsg1−stable		Id: 4/5



Project: Swakeup
Uppsala University
Sheet: /LEDs/LED Driver 3 Chan. /
File: rgbLedDriver.sch

Title: RGB LED Driver

Size: A4	Date: 2016-12-30	**Rev: 1.0**
KiCad E.D.A. kicad 4.0.2+dfsg1-stable		Id: 5/5