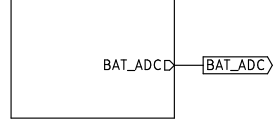
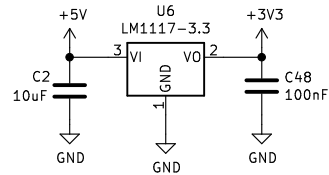


NIEUW

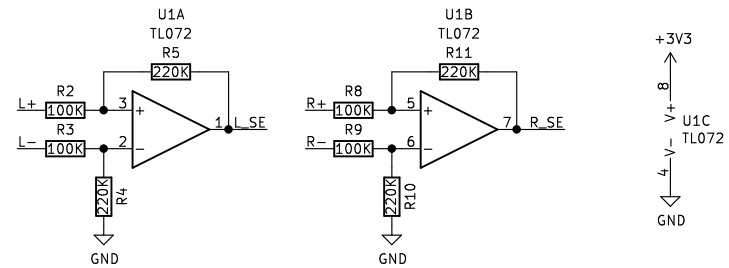
Sheet: Batterij-charge



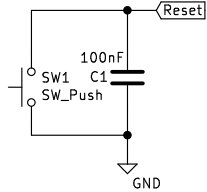
+3V3 Supply



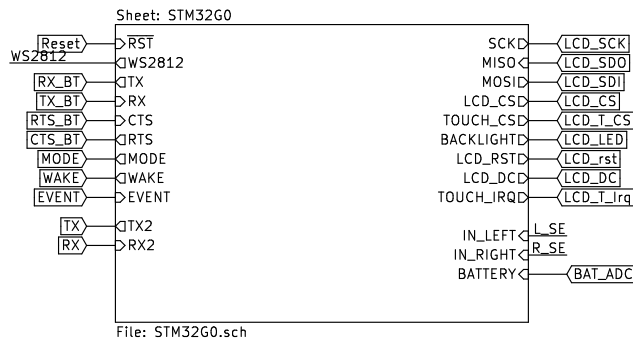
750mVrms differential from module \* 2.2 to single ended



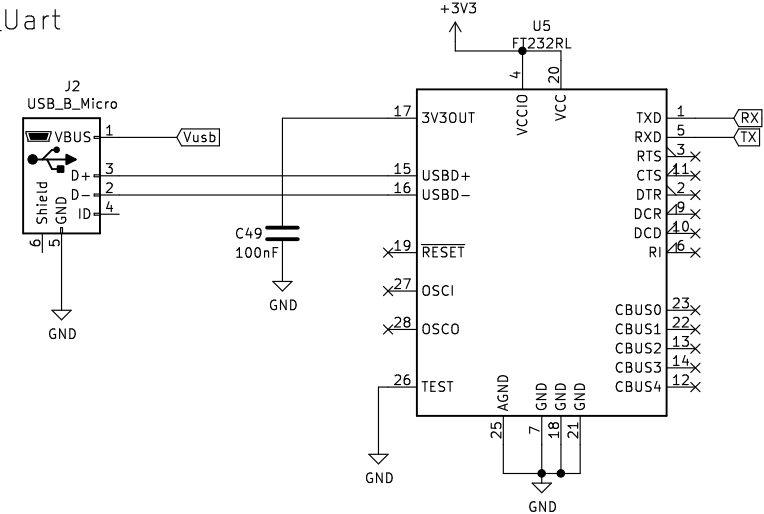
Reset\_Circuit



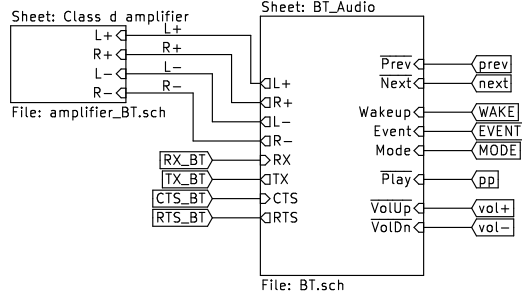
Microcontroller



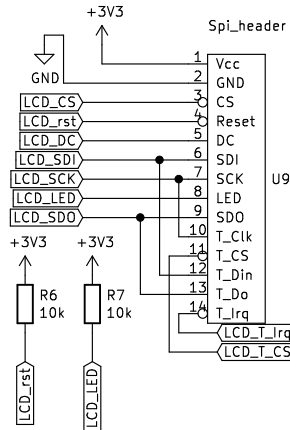
Debug\_Uart



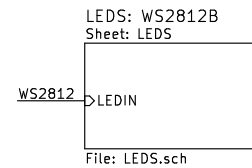
Audio



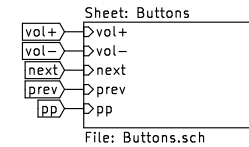
Touch / TFT



Basic IO



Buttons active low (vol+, vol-, next, prev, pp)

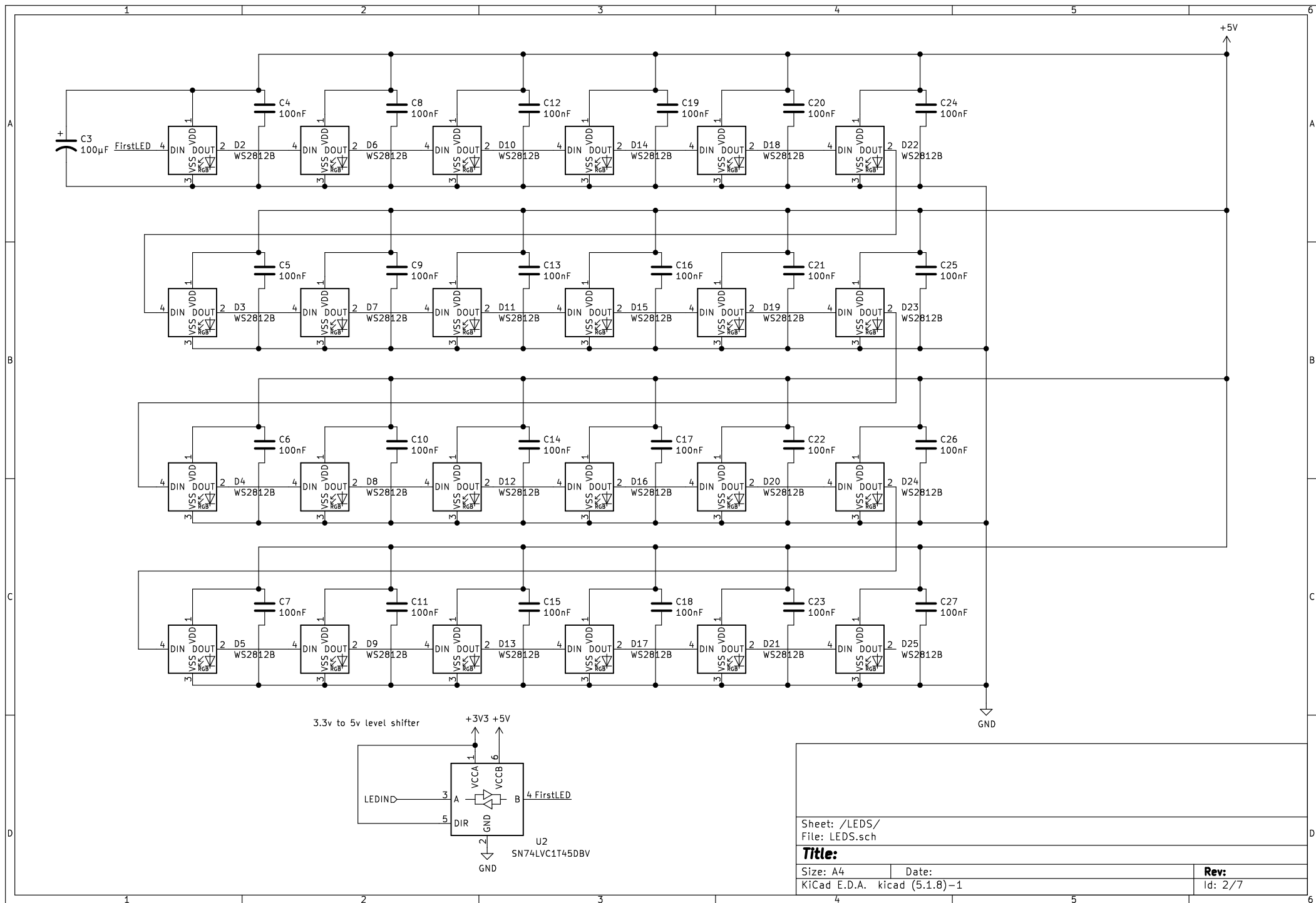


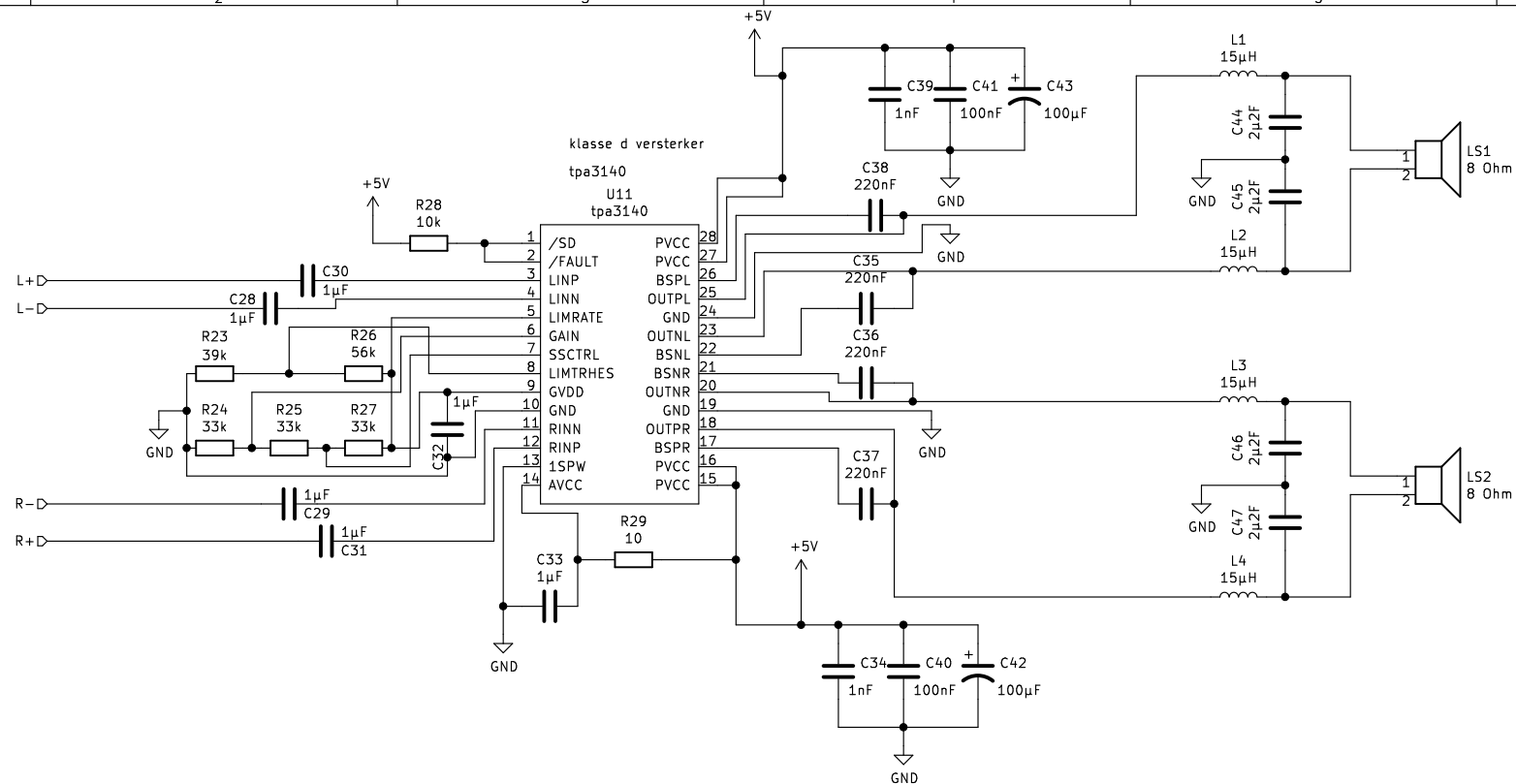
Sheet: /  
File: schema\_v1.sch

**Title:** Robbe Janssens – Practice Enterprise 2 – BlueTooth Music Speaker

Size: A4  
KiCad E.D.A. kicad (5.1.8)–1

Rev:  
Id: 1/7





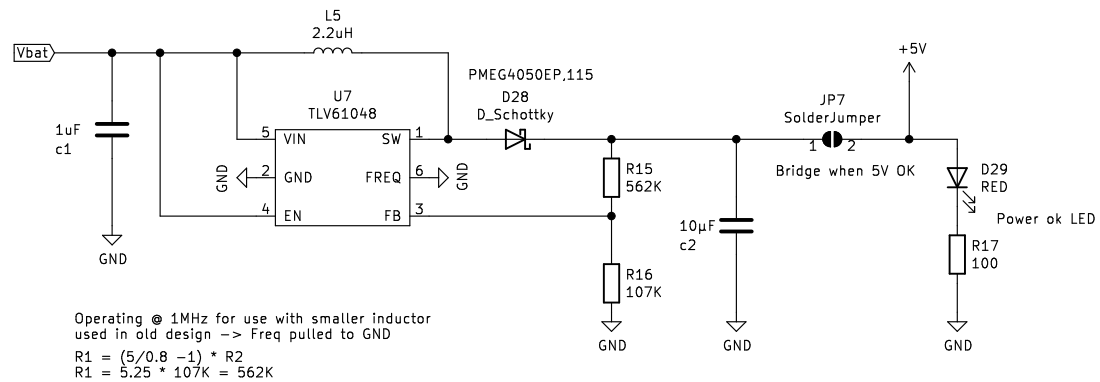
Sheet: /Class d amplifier/  
File: amplifier\_BT.sch

**Title:**

Size: A4  
KiCad E.D.A. kicad (5.1.8)-1

Date:

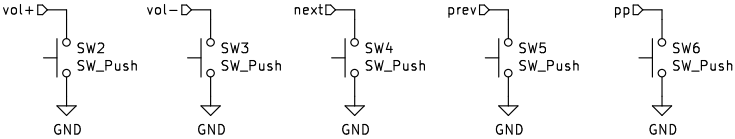
Rev:  
Id: 3/7



Operating @ 1MHz for use with smaller inductor  
used in old design -> Freq pulled to GND

$$R1 = (5/0.8 - 1) * R2$$
$$R1 = 5.25 * 107K = 562K$$





Buttons to directly control the inputs of the bluetooth module  
The module has internal pull-ups

Sheet: /Buttons/ File: Buttons.sch		
<b>Title:</b>		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad (5.1.8)-1		Id: 6/7

