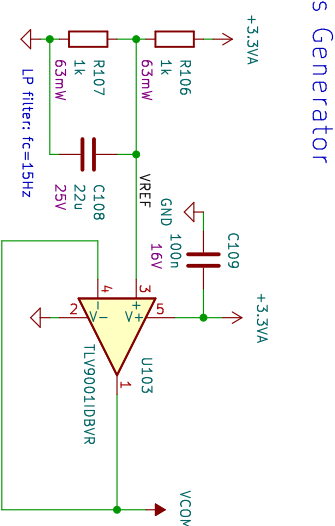
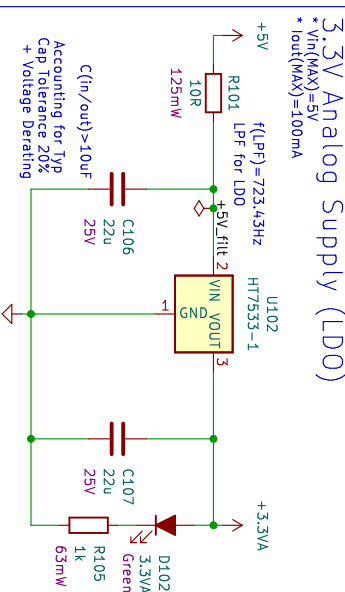
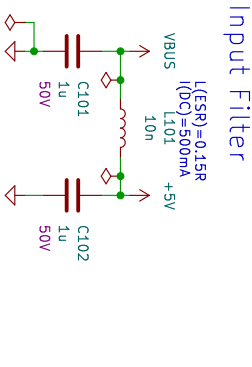


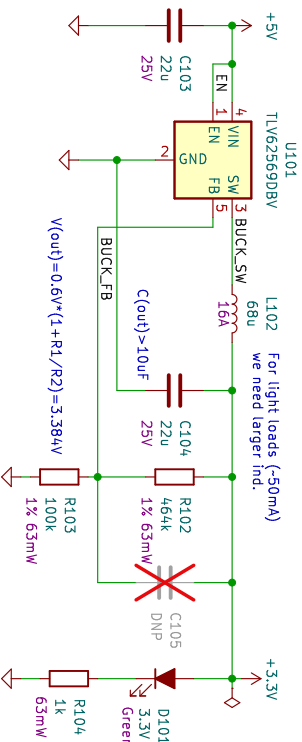
LP	
Sheet /	
File: rp2040_audioboard.kicad_sch	
<b>Title: RP2040 Audio Board</b>	
Size: A4	
Date: 2023-05-01	
KiCad E.D.A. kicad (7.0.0)	
	<b>Rev: 0.2</b>
	Id: 1/5



VBUS power comes from USB Type C Connector

## 3.3V Digital Supply (BUCK)

- $V_{in}(MAX)=5V$
- $I_{out}(MAX)=250mA$
- $f_{sw}=1.5MHz$

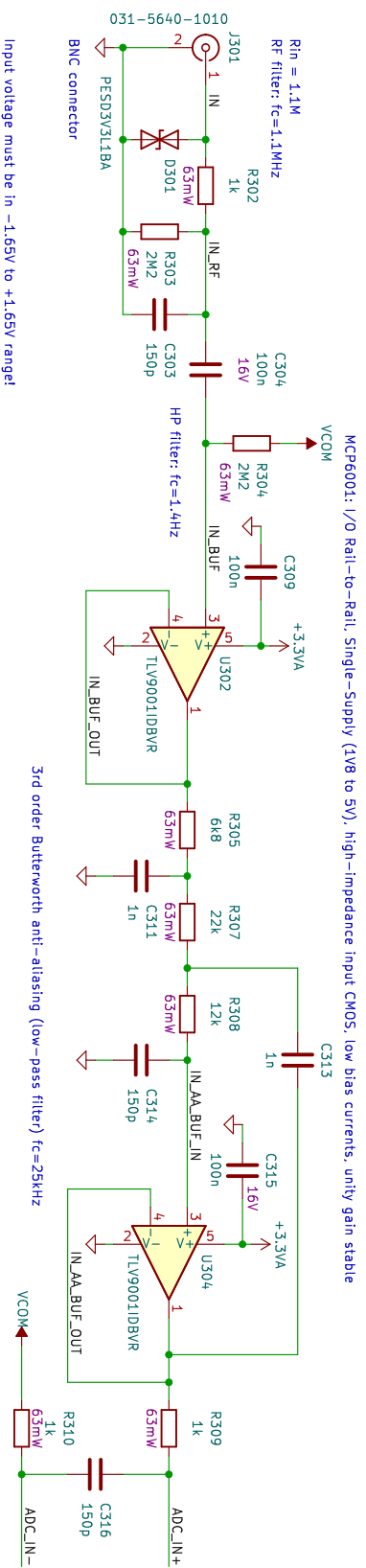


## Test Points

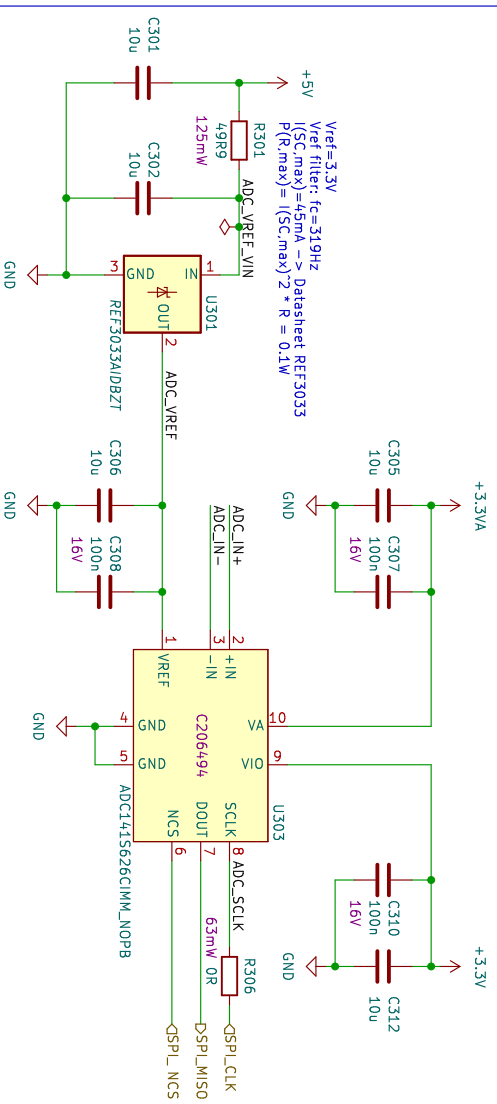




## Analog Front End



## 14-Bit S/H ADC



LP

Sheet: / [3] ADC /

File: adc.kicad\_sch

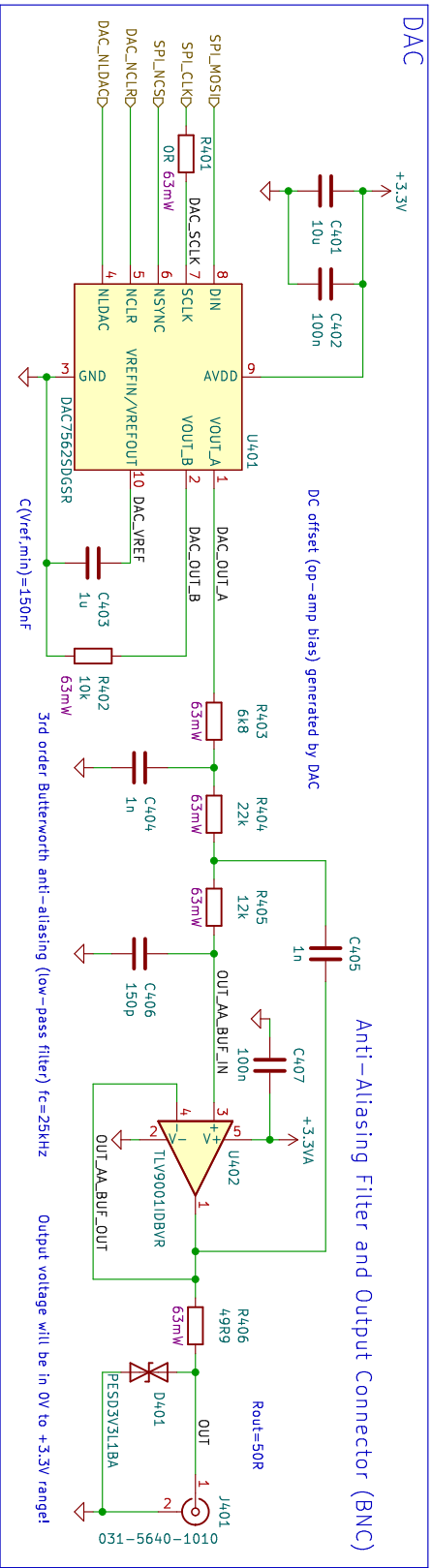
**Title: RP2040 Audio Board**

Size: A4

Date: 2023-05-01

KICad E.D.A. kicad (7.0.0)

Rev: 0.1  
Id: 4/5



LP

Sheet: /[4] DAC/

File: dac.kicad\_sch

Title: **RP2040 Audio Board**

Size: A4

Date: 2023-05-01

KiCad E.D.A. kicad (7.0.0)

Rev: 0.1

Id: 5/5