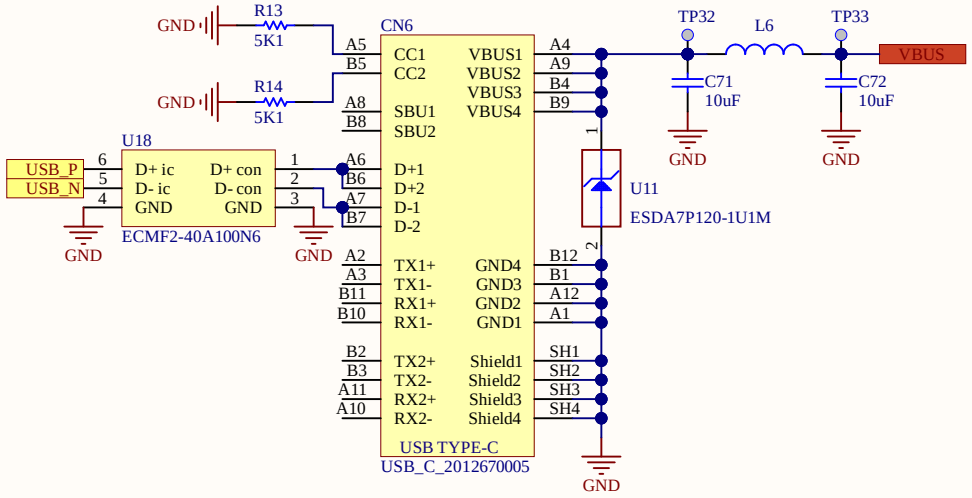
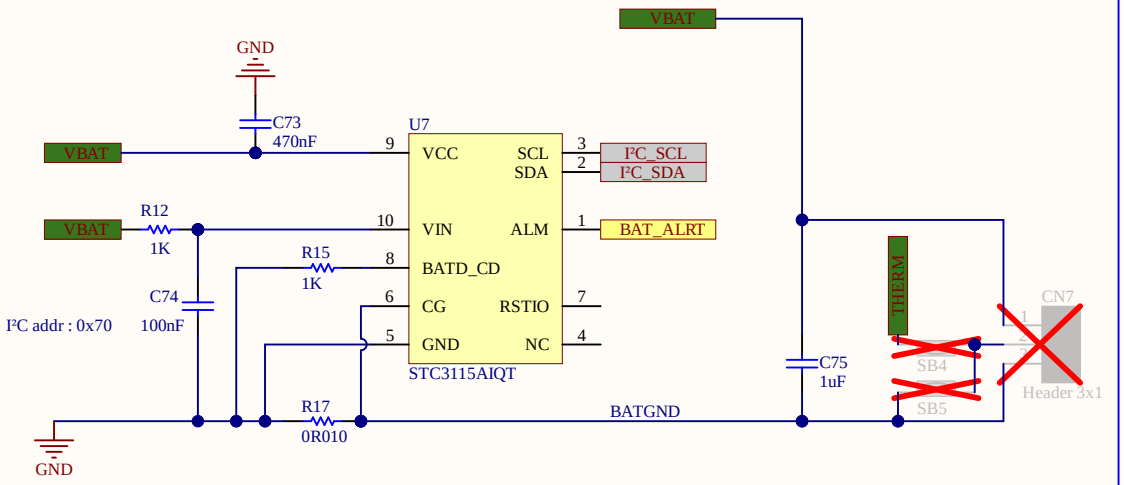
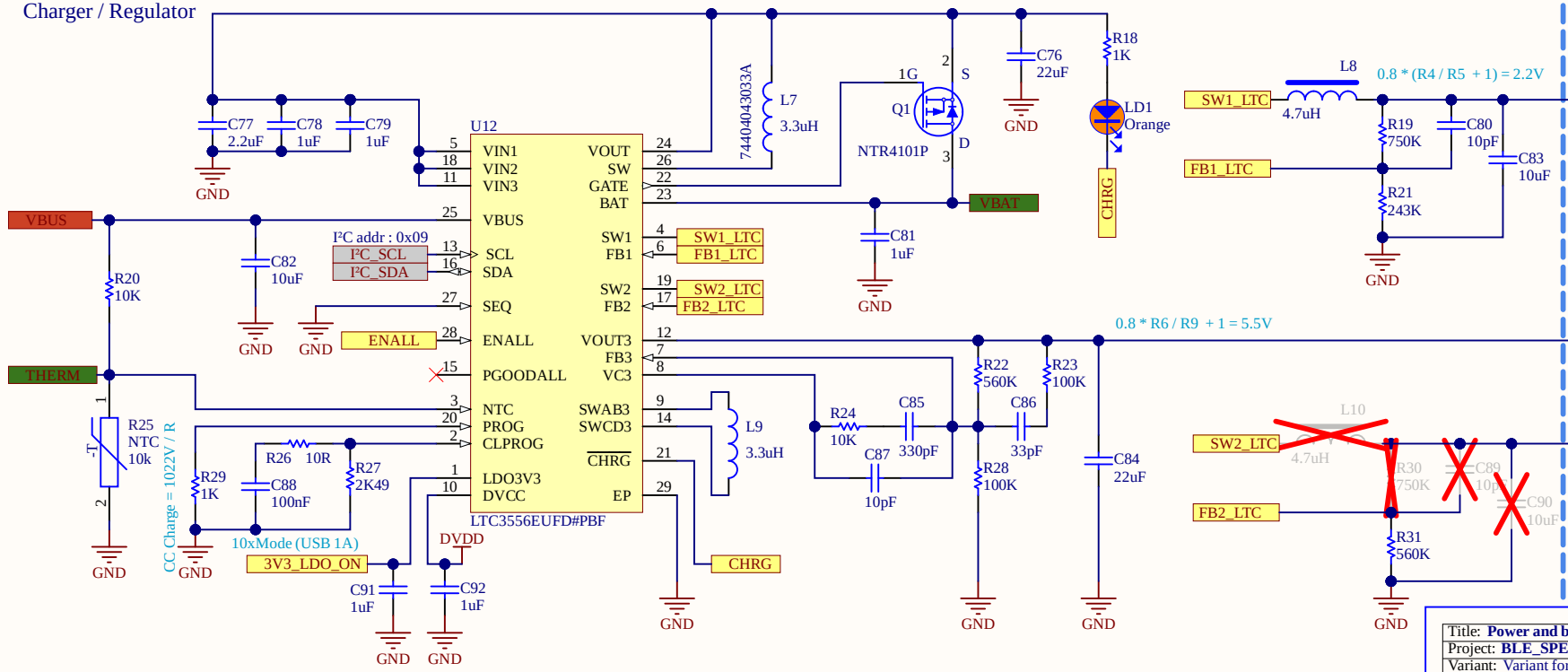
USB C



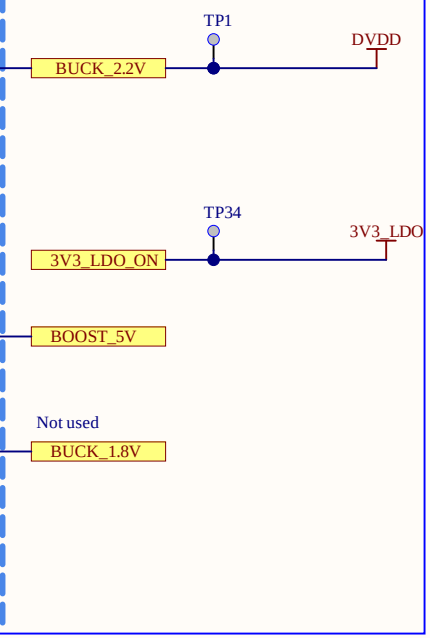
Cell and Fuel Gauge



Charger / Regulator



Power tree



Title: **Power and battery management**		
Project: **BLE_SPEAKER**		
Variant: Variant for production		
Revision: revB		Reference:
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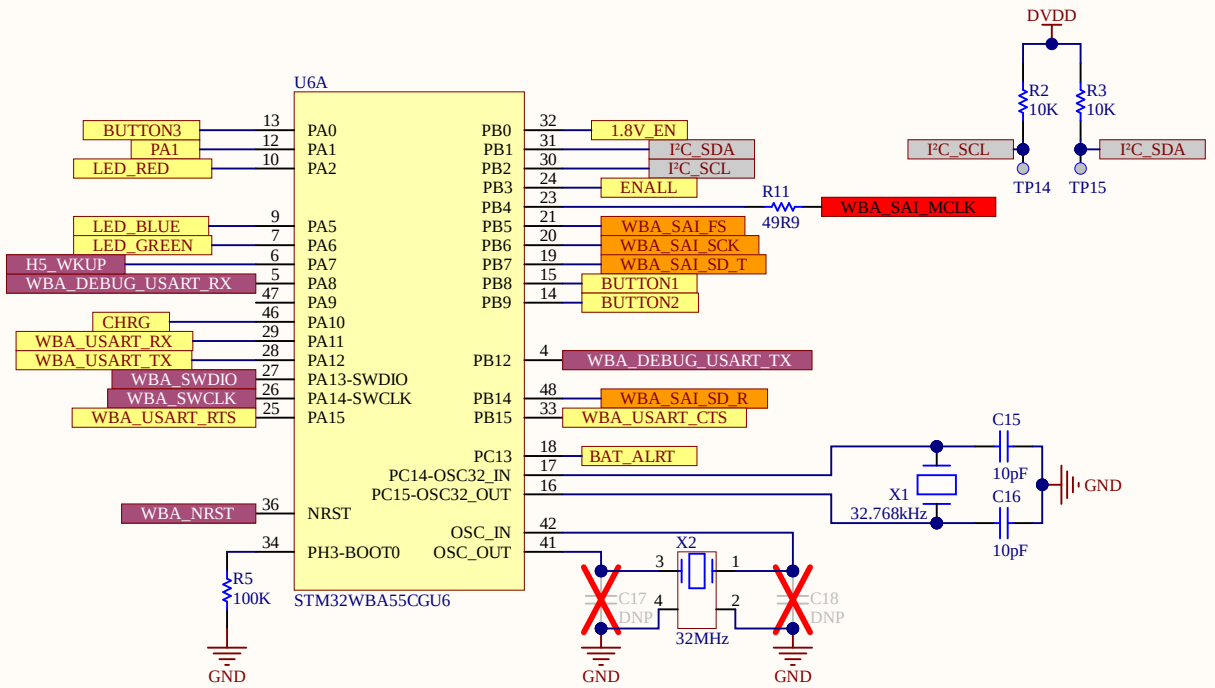
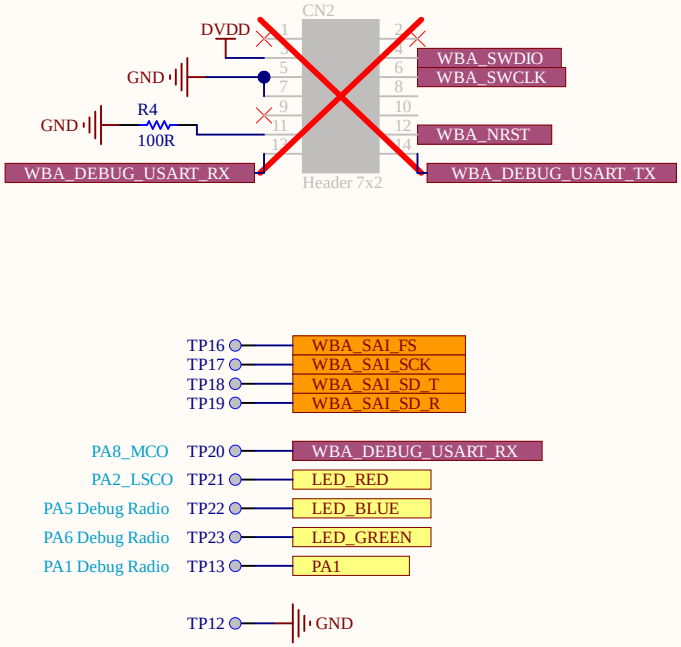
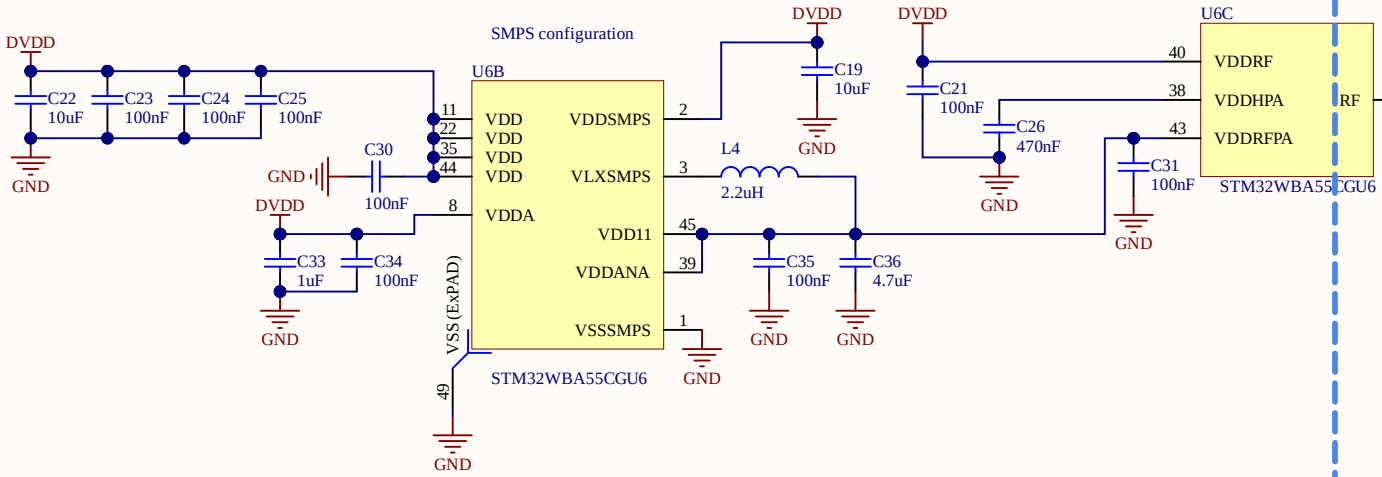
WBA55



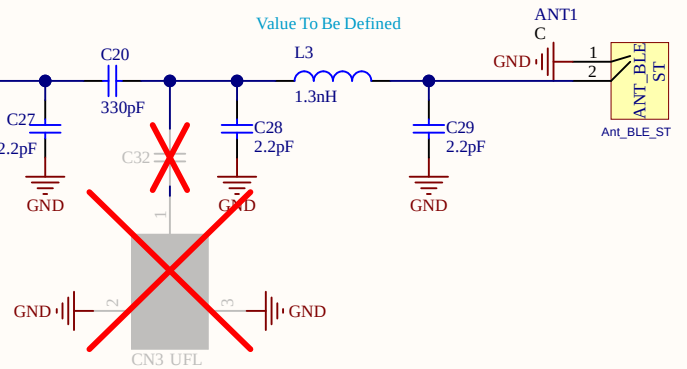
Debug interface



WBA POWER



RF



Title: **BLE**		
Project: **BLE_SPEAKER**		
Variant: Variant for production		
Revision: revB		Reference:
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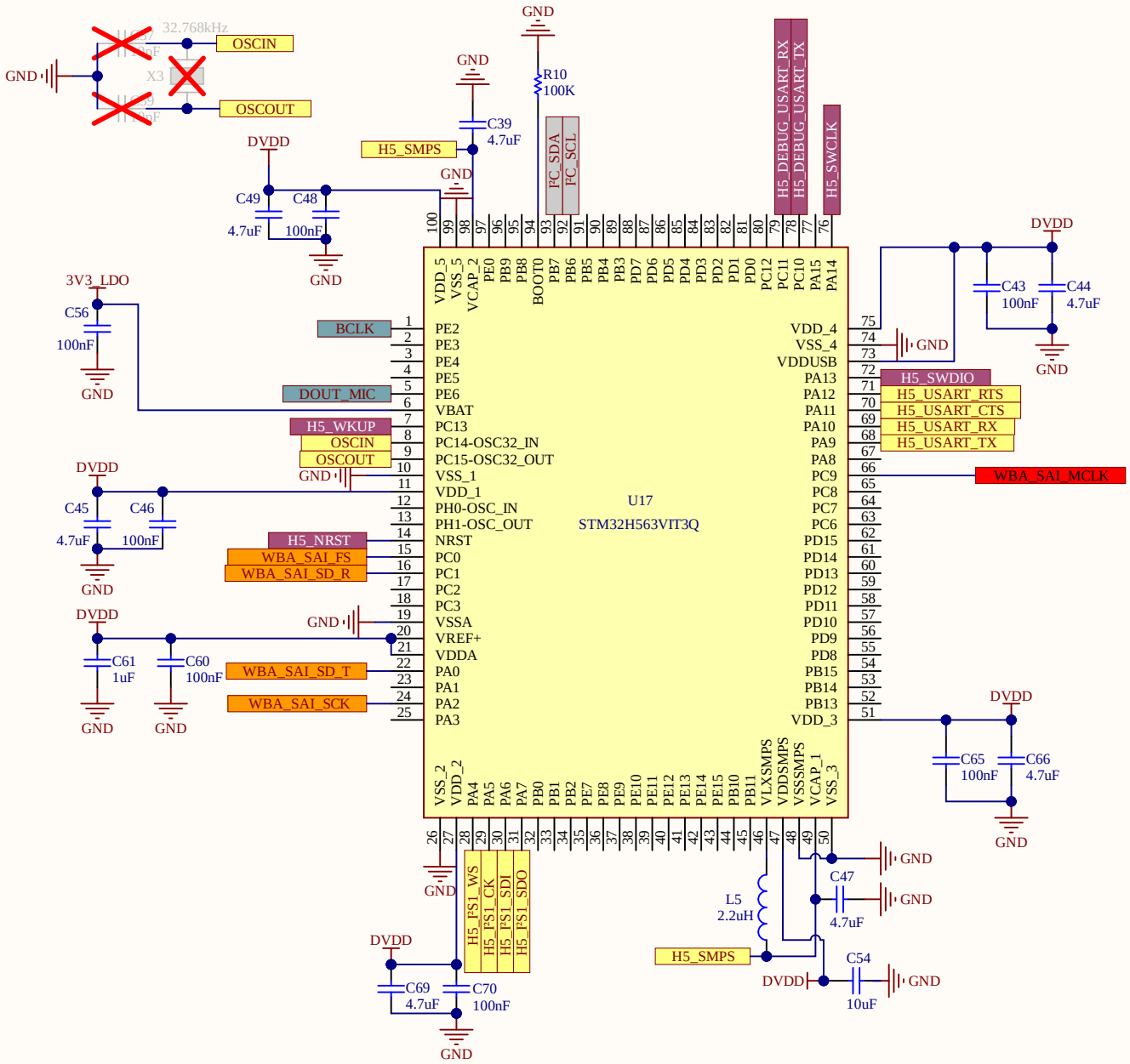
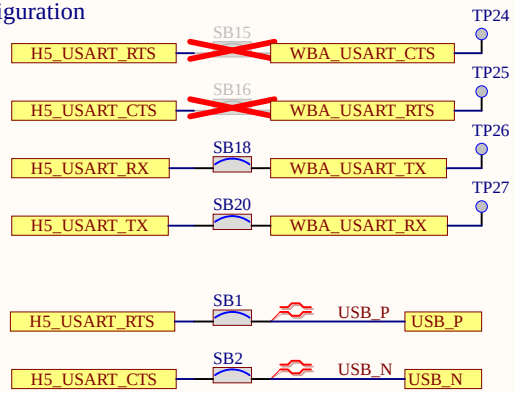
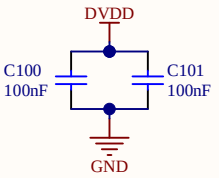
H5



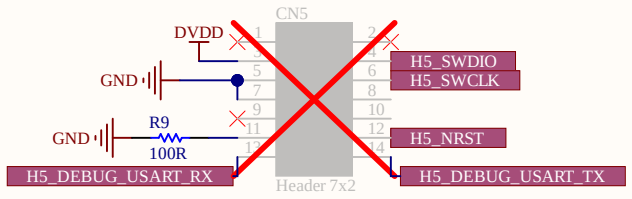
COM Configuration



USB reference plane decoupling



Debug interface



Title: **Audio processing**		
Project: **BLE_SPEAKER**		
Variant: Variant for production		
Revision: revB		Reference:
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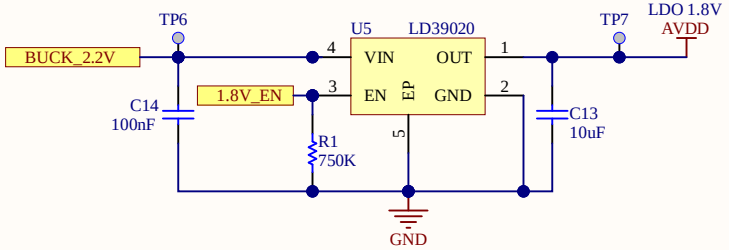
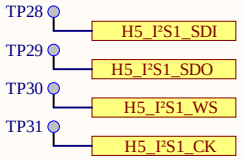
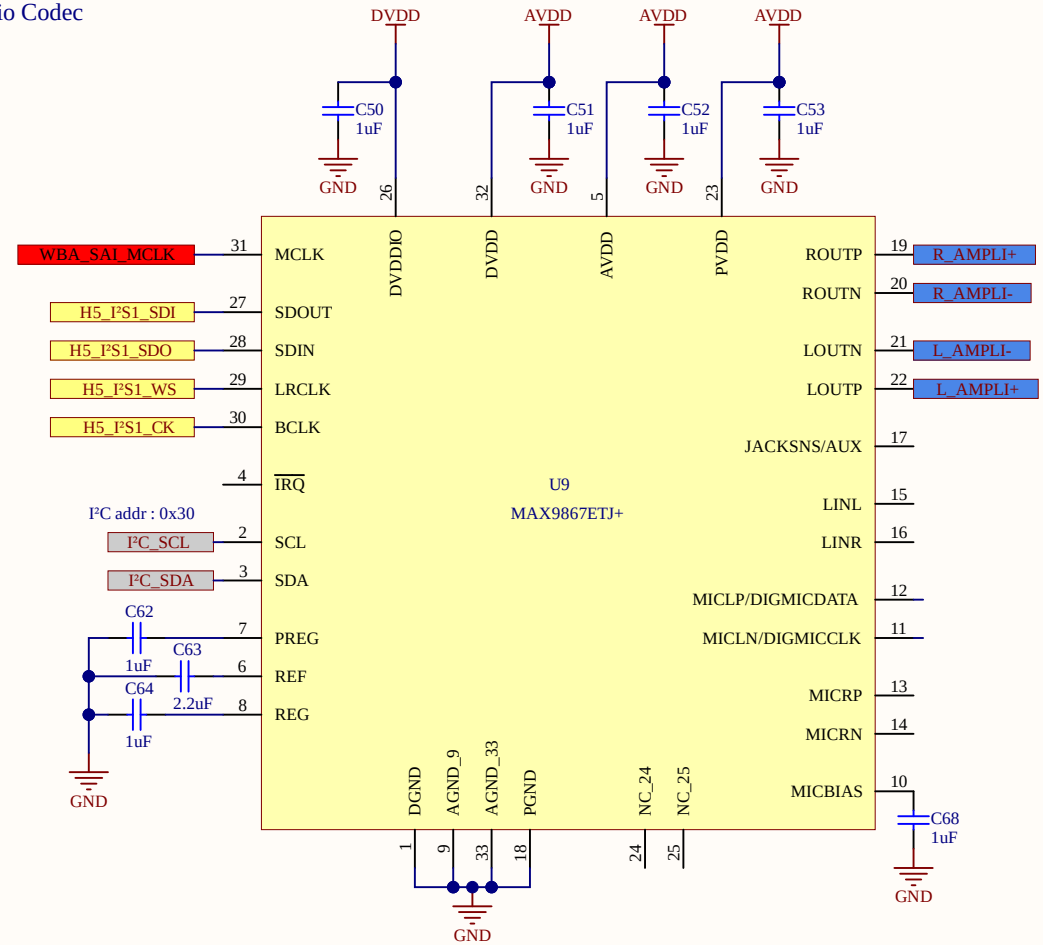
Analog voltage



Debug



Audio Codec



Title: **Audio DAC**		
Project: **BLE_SPEAKER**		
Variant: Variant for production		
Revision: revB		Reference:
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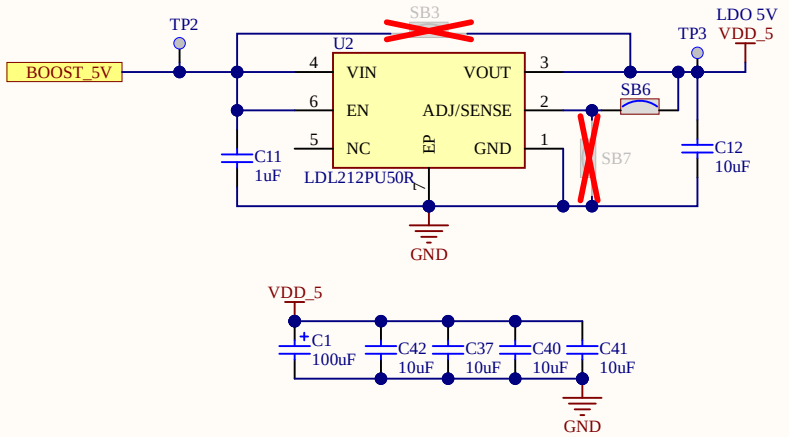
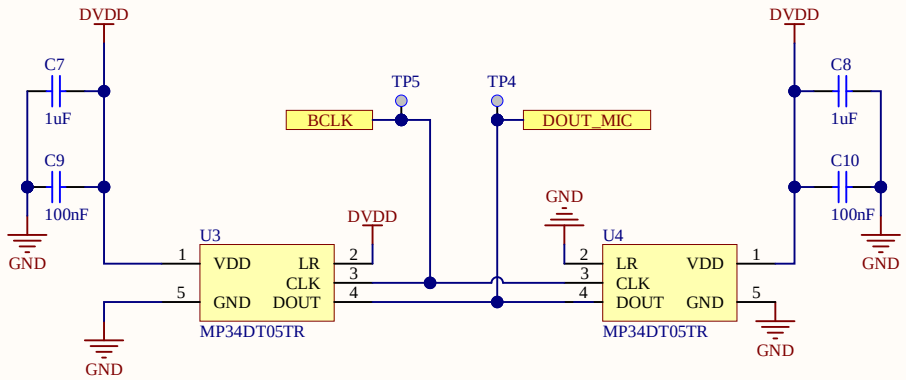
Amplifier power filtering

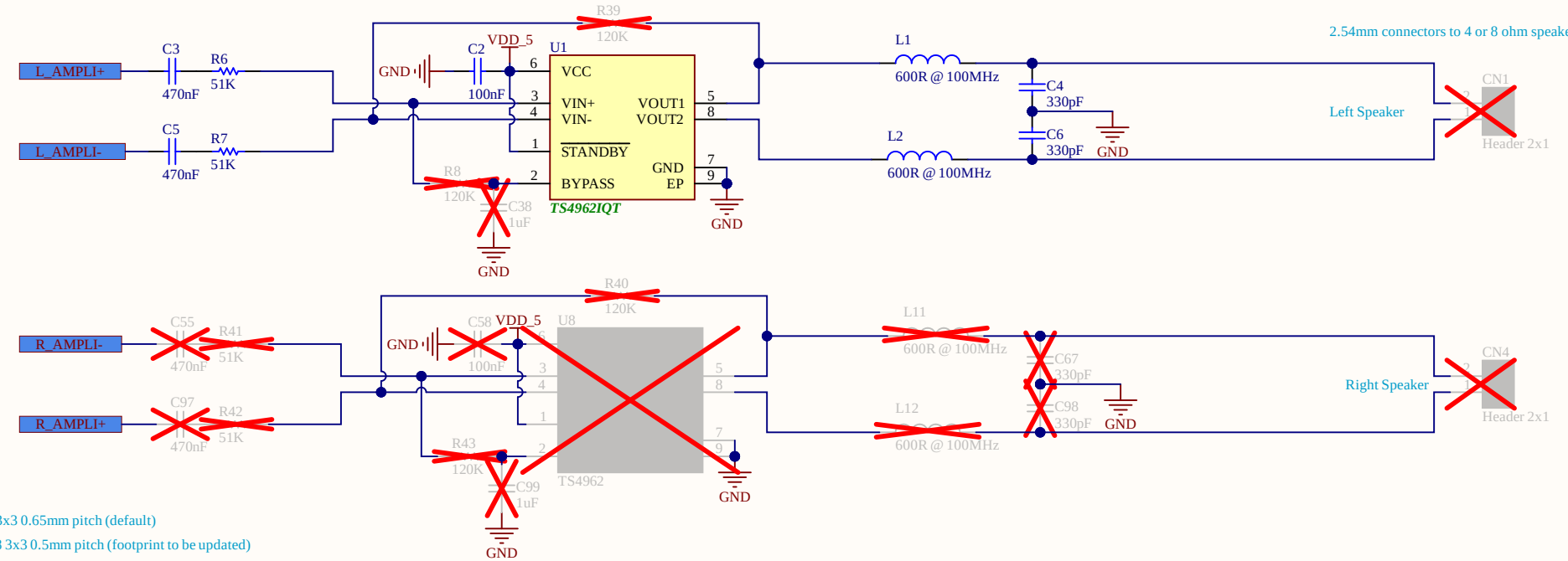


Microphones



Audio Amplifier

Always On (cut at boost side)

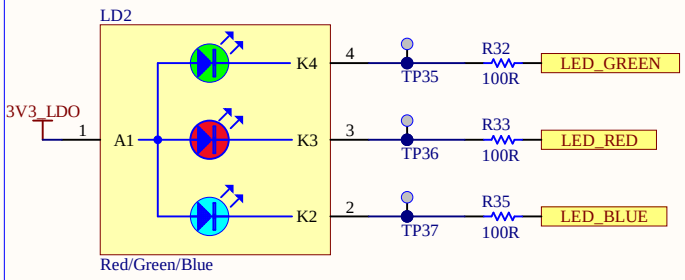


Class D : TS4962IQT : DFN8 3x3 0.65mm pitch (default)

Class AB : TS4990IQT : DFN8 3x3 0.5mm pitch (footprint to be updated)

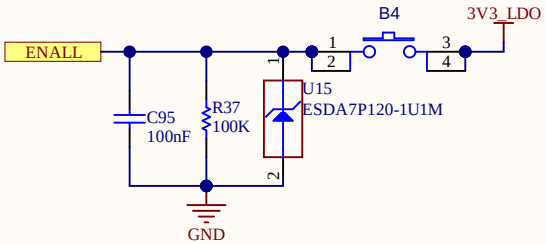
Title: **Audio front end**		
Project: **BLE_SPEAKER**		
Variant: Variant for production		
Revision: revB		Reference:
Size: A4	Date: 23/10/2024	Sheet: 5 of 6

Application LED

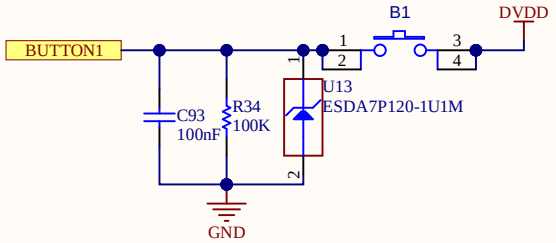


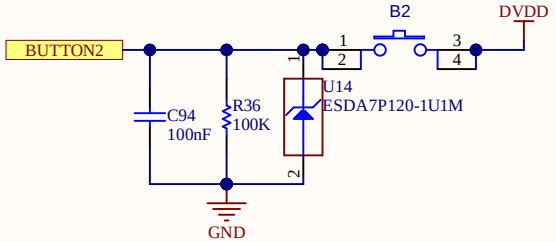
Power Button

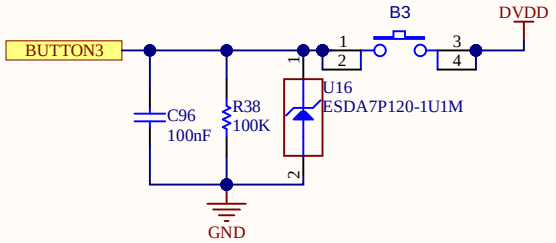
UC SEND I²C COMMAND FOR MAINTENING VOLTAGE
ON/OFF BUTTON

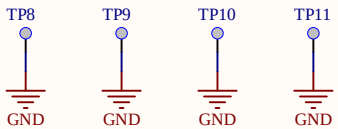


Application Button









Title: **User interface**		
Project: **BLE_SPEAKER**		
Variant: Variant for production		
Revision: revB		Reference:
Size: A4	Date: 23/10/2024	Sheet: 6 of 6