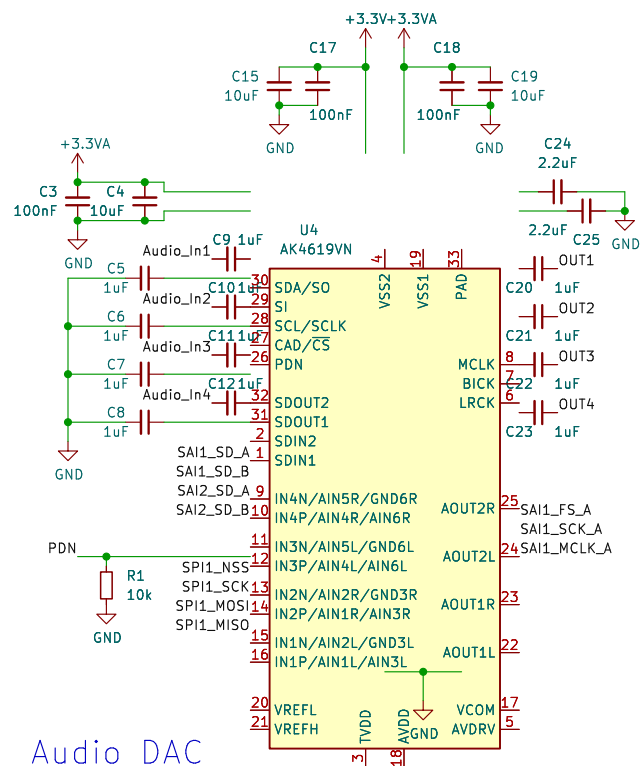
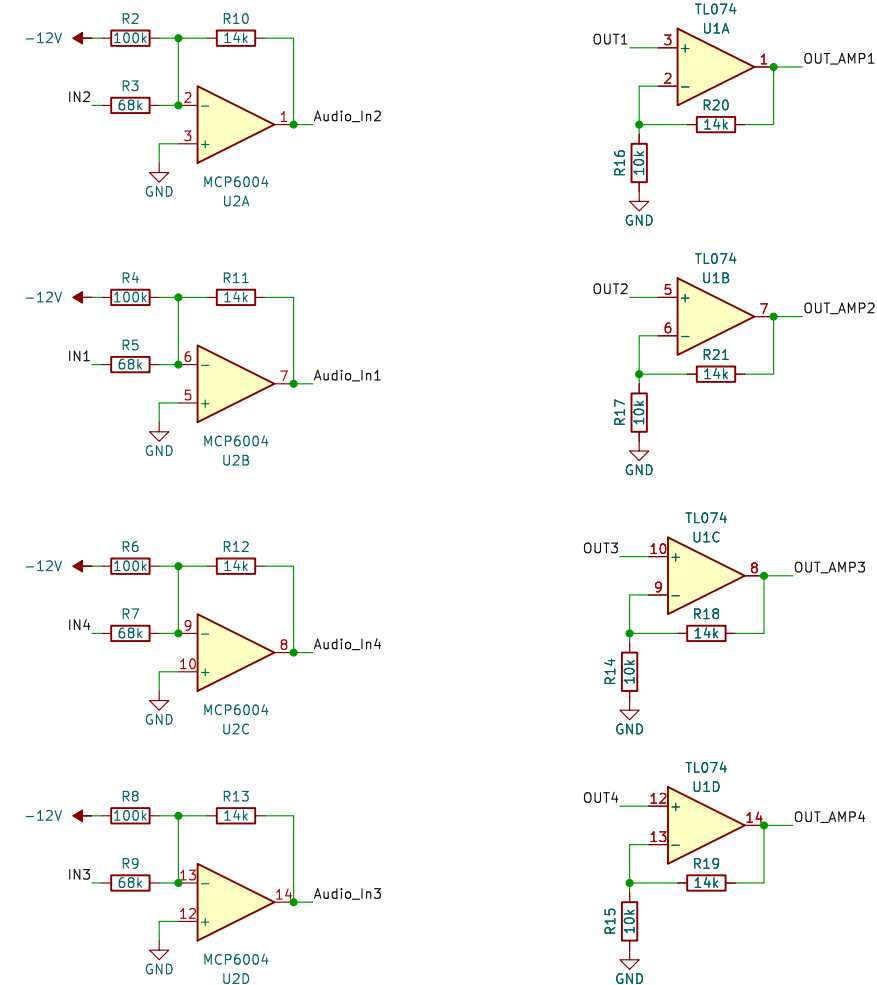


Nucleo Connectors



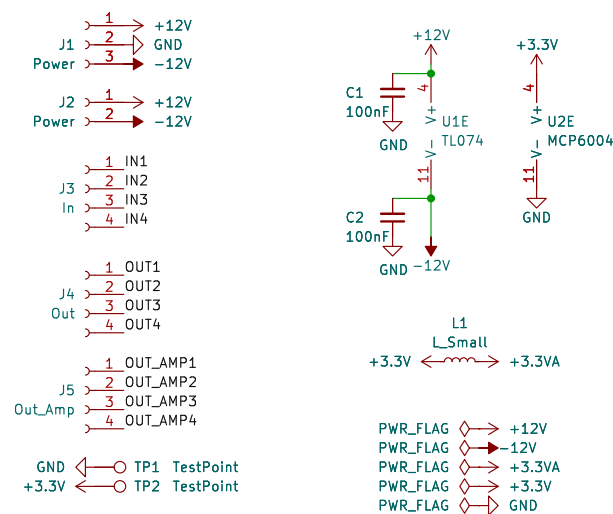
Audio DAC



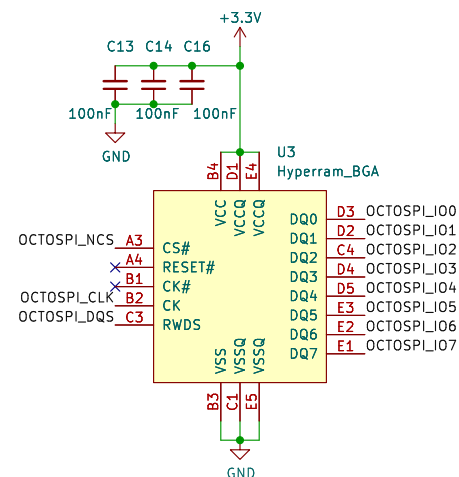
$A_v = -R_{FB} / R_{IN}$
 Input: +7V,
 Output: $(-12 * -14k/100k) + (+7 * 14k/68k) = 0.24V$
 Input: -7V
 Output: $(-12 * -14k/100k) + (-7 * 14k/68k) = 3.12V$

DAC Output is 2.83V_{PP}
10k/14k gives gain of 2.4 * 2.83 = 6.8V

Input/Output OpAmps



I/O and Power



HyperRAM

Mountjoy Modular	
Sheet: /	
File: _autosave-working.kicad_sch	
Title: AK4619 STM32H563 Dev Board	
Size: USLegal	Date: 2023-08-23
KiCad E.D.A.	eeschema 7.0.6
	Rev: 1.0
	Id: 1/1