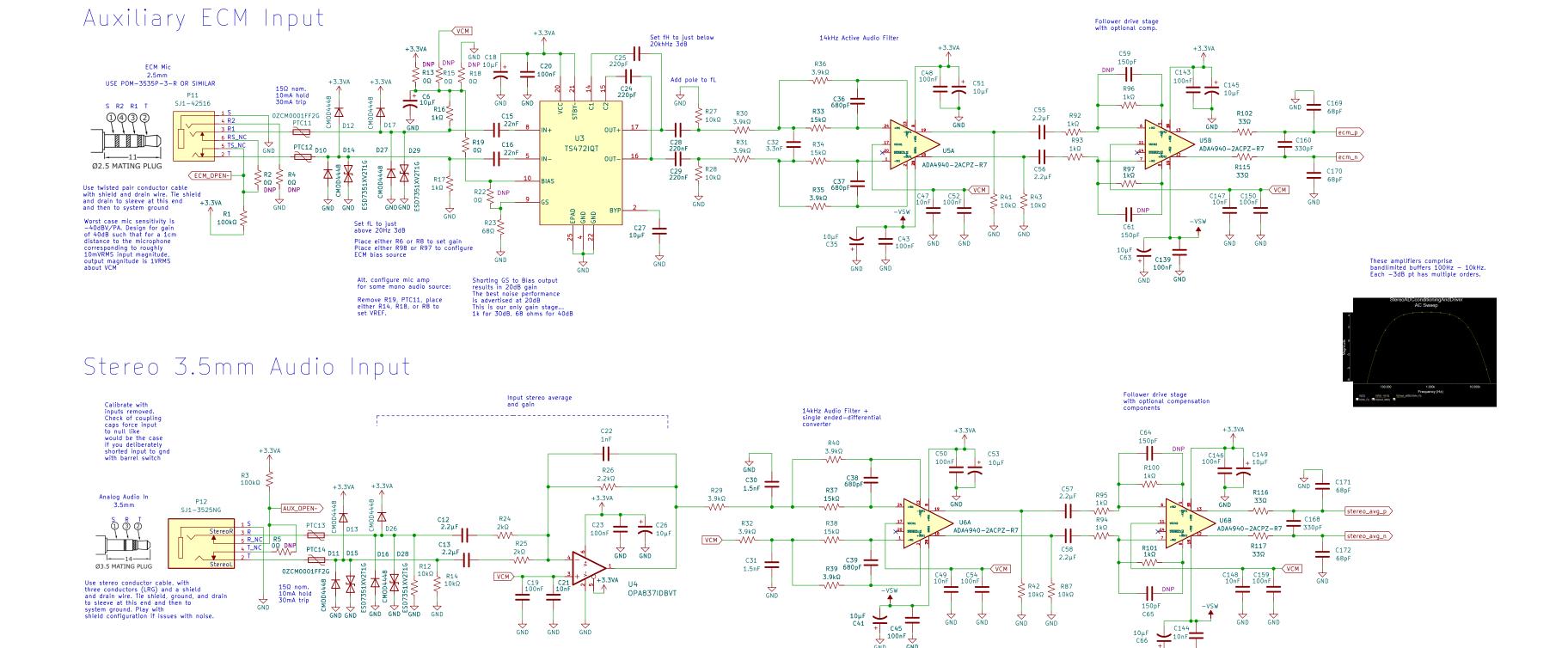
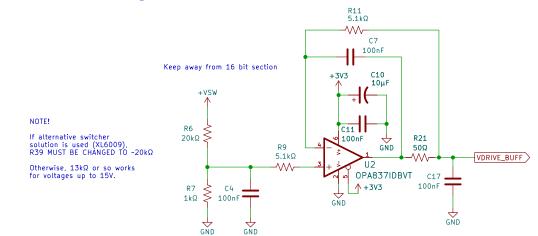
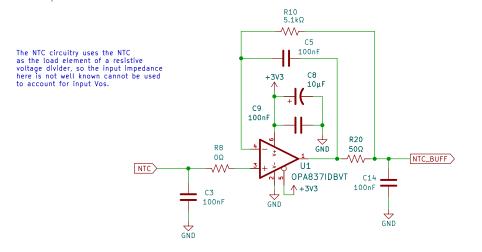
	1	2 3	4	5 6
	Power			
Δ		Ultrasonic Sound Steering Capstone		,
		Control PCB Master Sheet		
		K. Harper 03/06/2024		
	File: control_Power.kicad_sch	To do: Change tantalum footprints for 0603 to indicate polarities Remove silly fills between all bus routes		
3	Digital	NOTE: MOSI/MISO has been swapped in software; move terminators local to driven p Alternatively, a proper custom implementation of some SPI HDL could ensure the validity of this pin during program uploading. Unfortunately, swapping MISO and MOSI from their shown pins causes issues with data rates as the internal IOMUX must be used to route the signal ESD diodes used are clamping everything to <1V supposedly PESD7351XV2TLG These are unidirectional TVS's My symbol is bidirectional; all of their polarities are currently reverse on the PCB. I should take this opportunity to design in some TVS's if there is ever another order.	pin als. e beefier	
	File: control_Digital.kicad_sch			
	Analog			
				C
	File: control_Analog.kicad_sch			
			Sheet: / File: Ultrasonic Sound Steering — Control Re	v. B.kicad_sch
			Title: Size: A4 Date:	Rev:
			KiCad E.D.A. kicad (6.0.11)	ld: 1/4



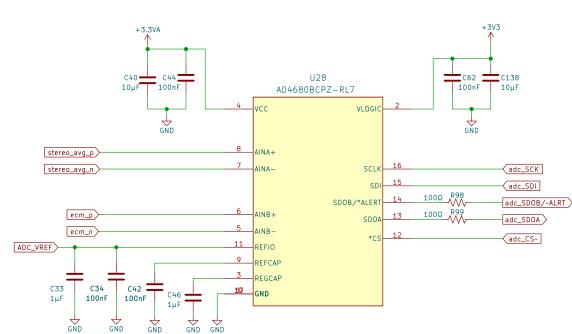
Drive Voltage FB Buffer







2 Channel 16-bit SAR ADC 1MSPS



Sheet: /Ar	Sheet: /Analog/					
File: control_Analog.kicad_sch						
Title:						
Size: C	Date:			Rev:		
KiCad E.D.	A. kicad (6.0.11)			ld: 2/4		
		10		11		



