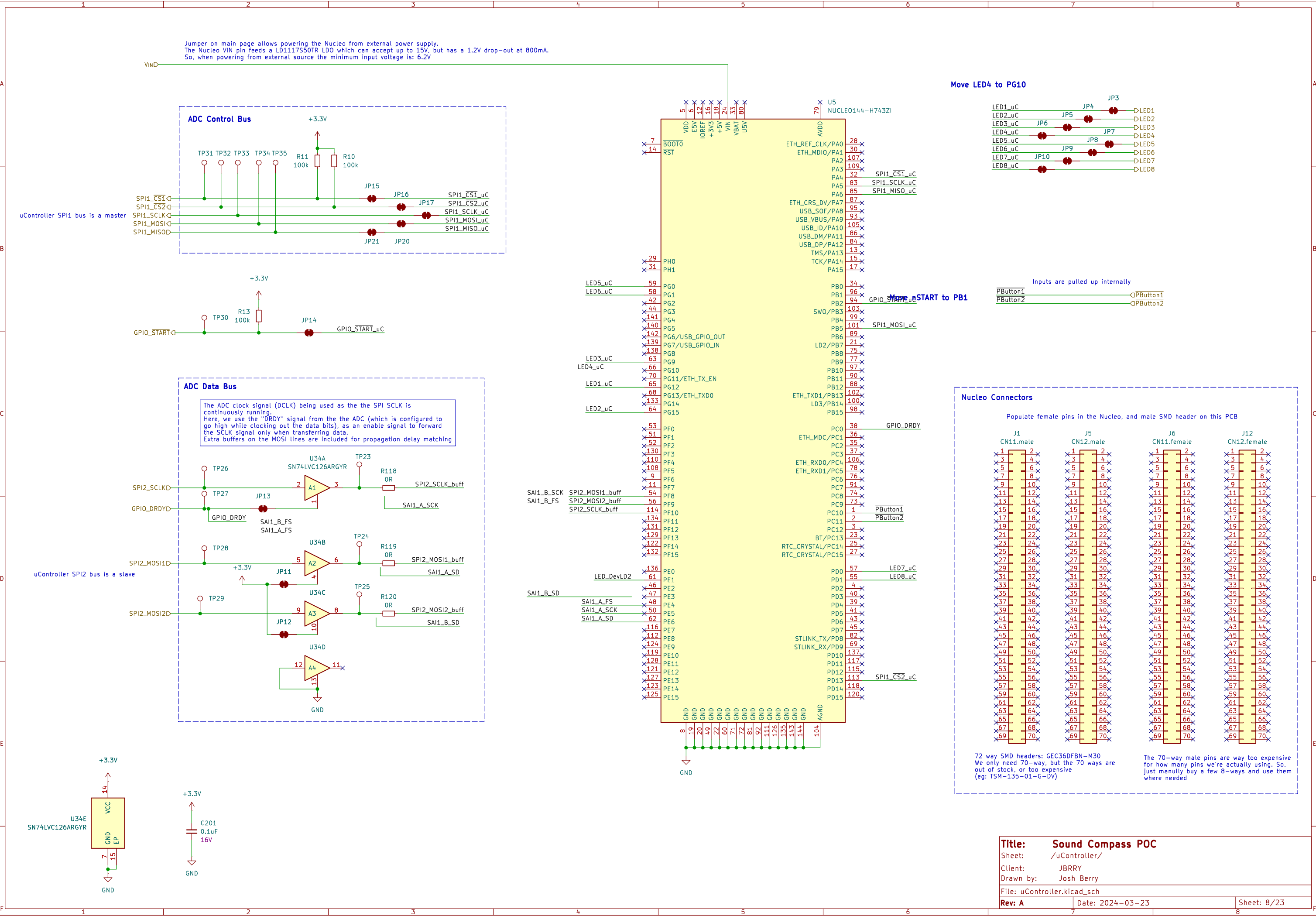
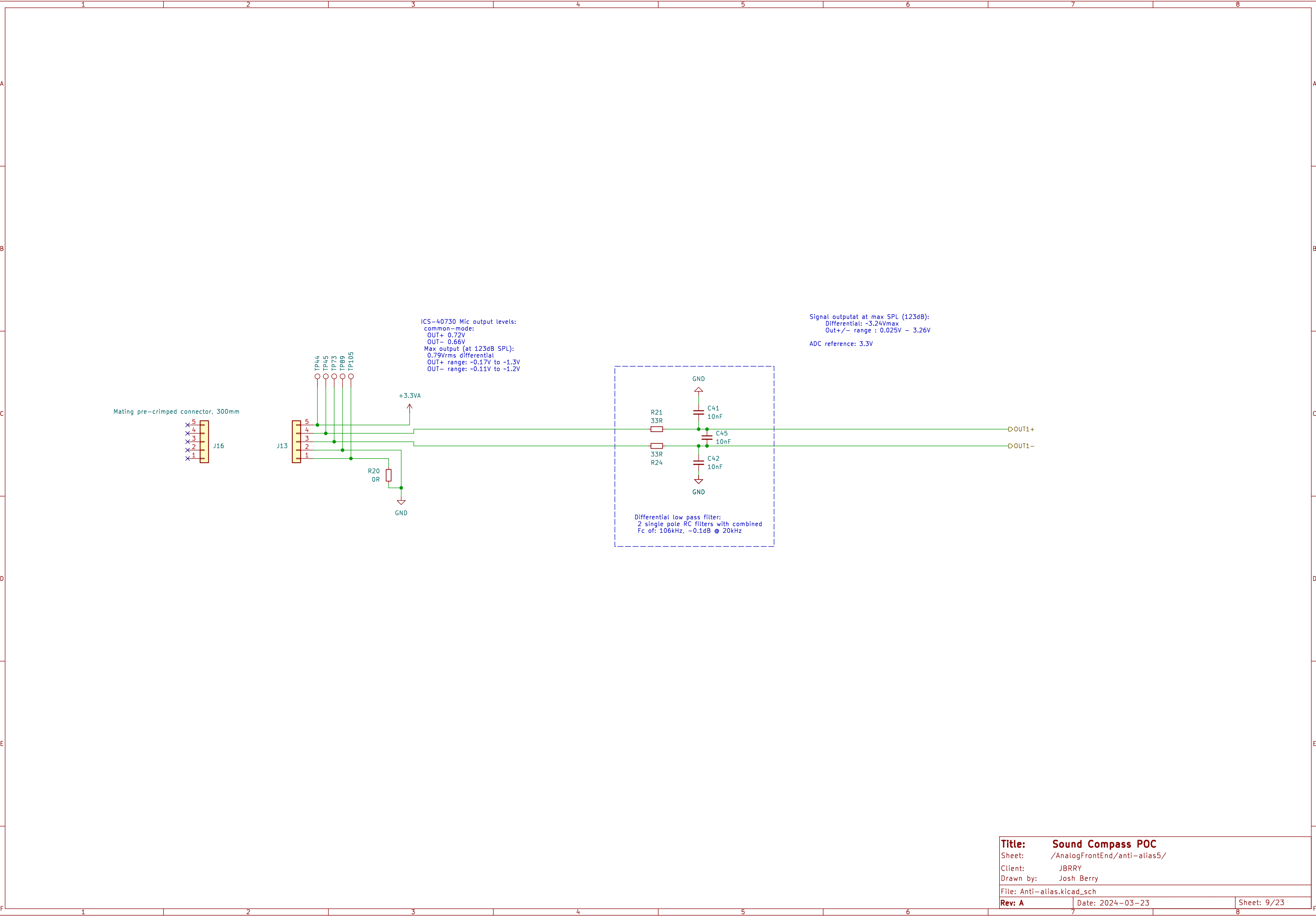
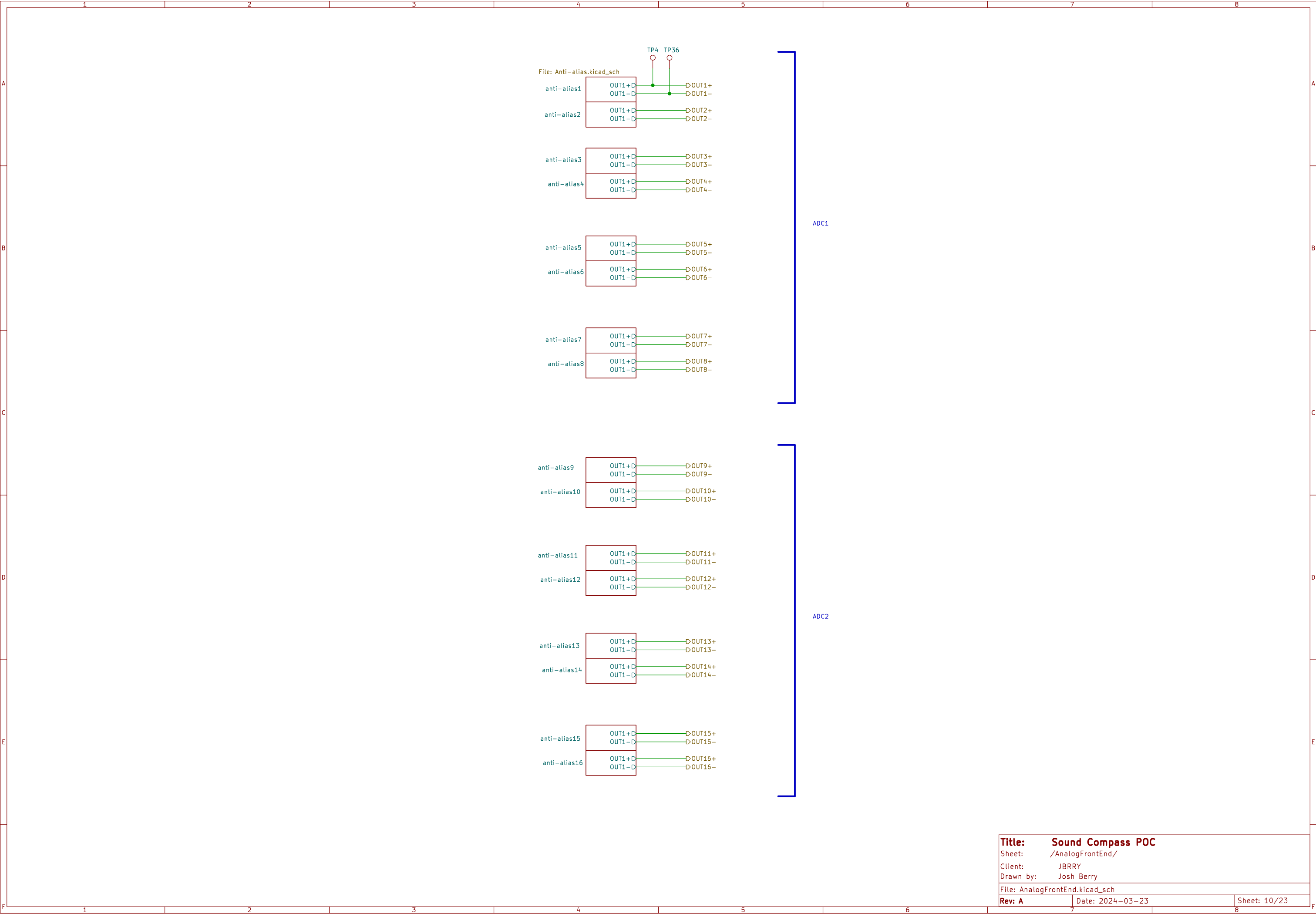


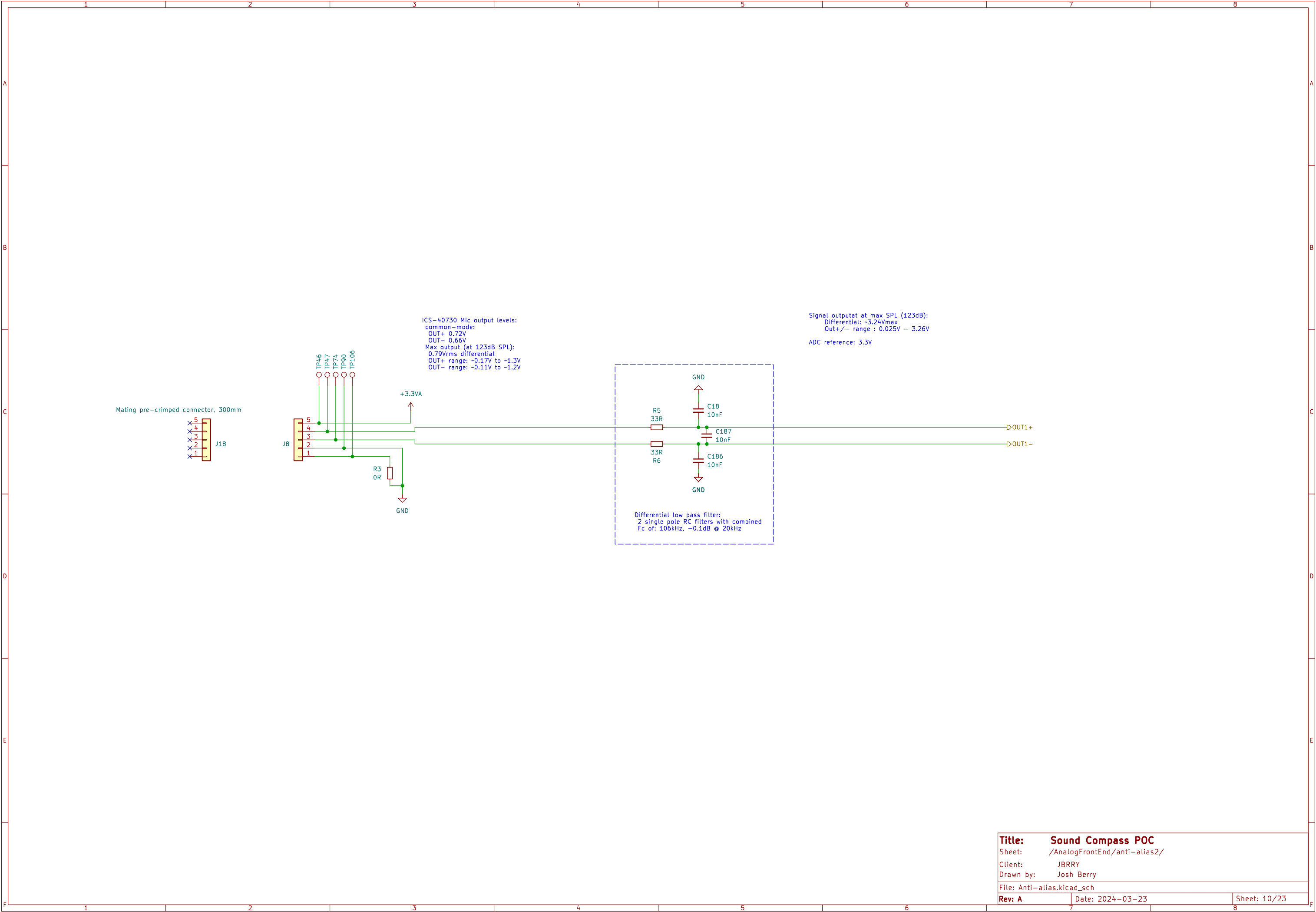
Title: Sound Compass POC		
Sheet: /ADC Common parts/		
Client: JBRRY		
Drawn by: Josh Berry		
File: ADCCommonParts.kicad_sch		
Rev: A	Date: 2024-03-23	Sheet: 6/23

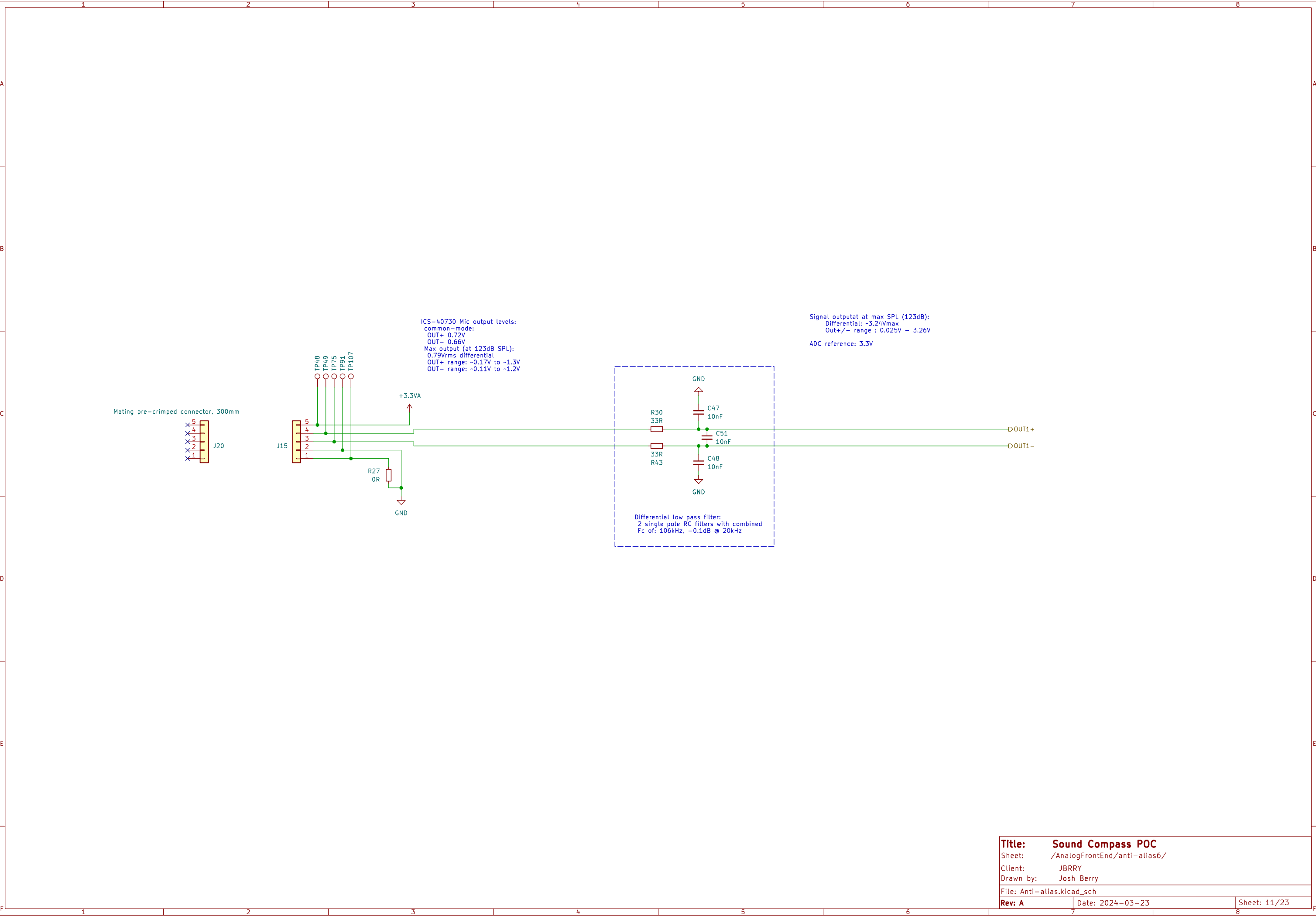


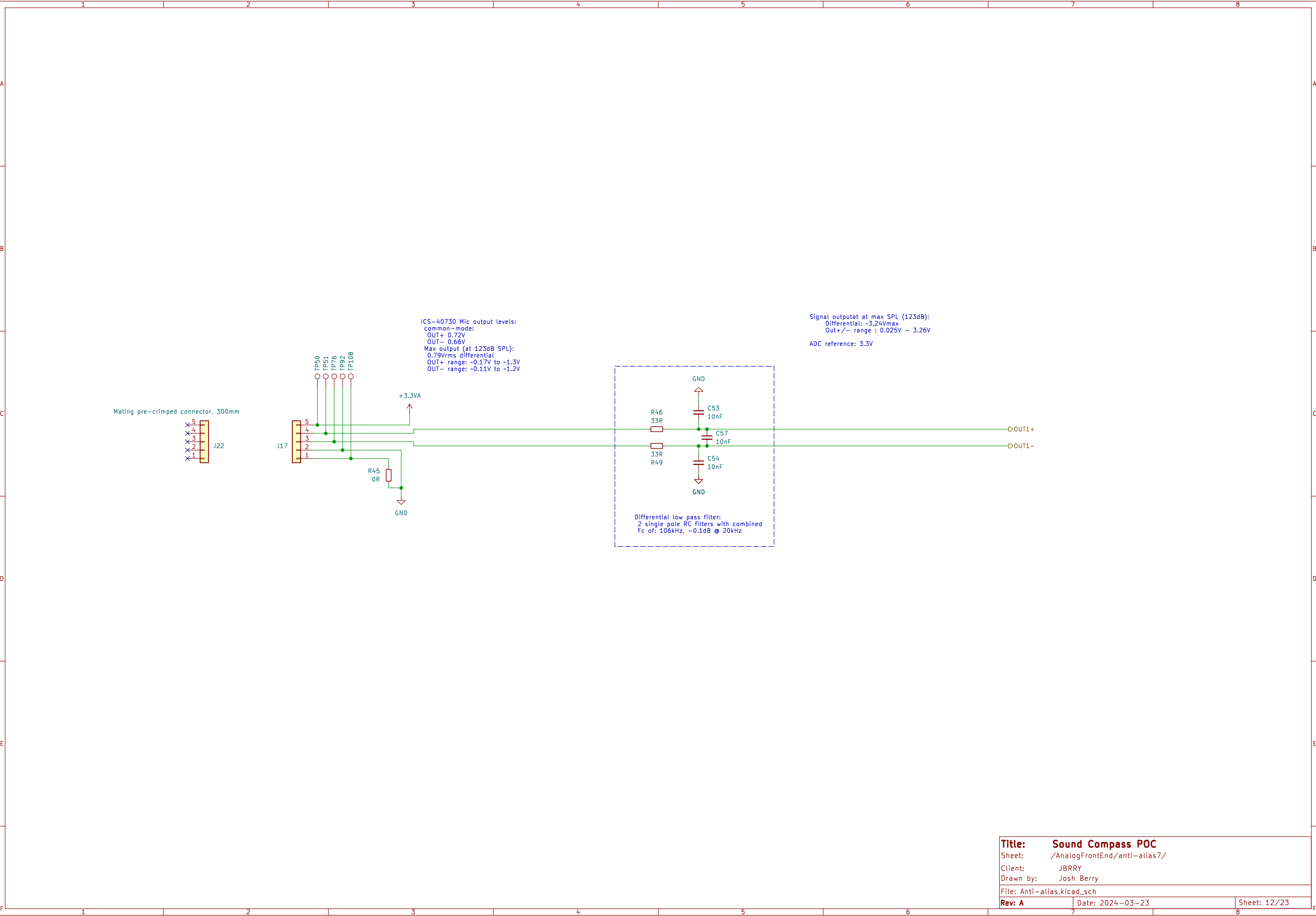


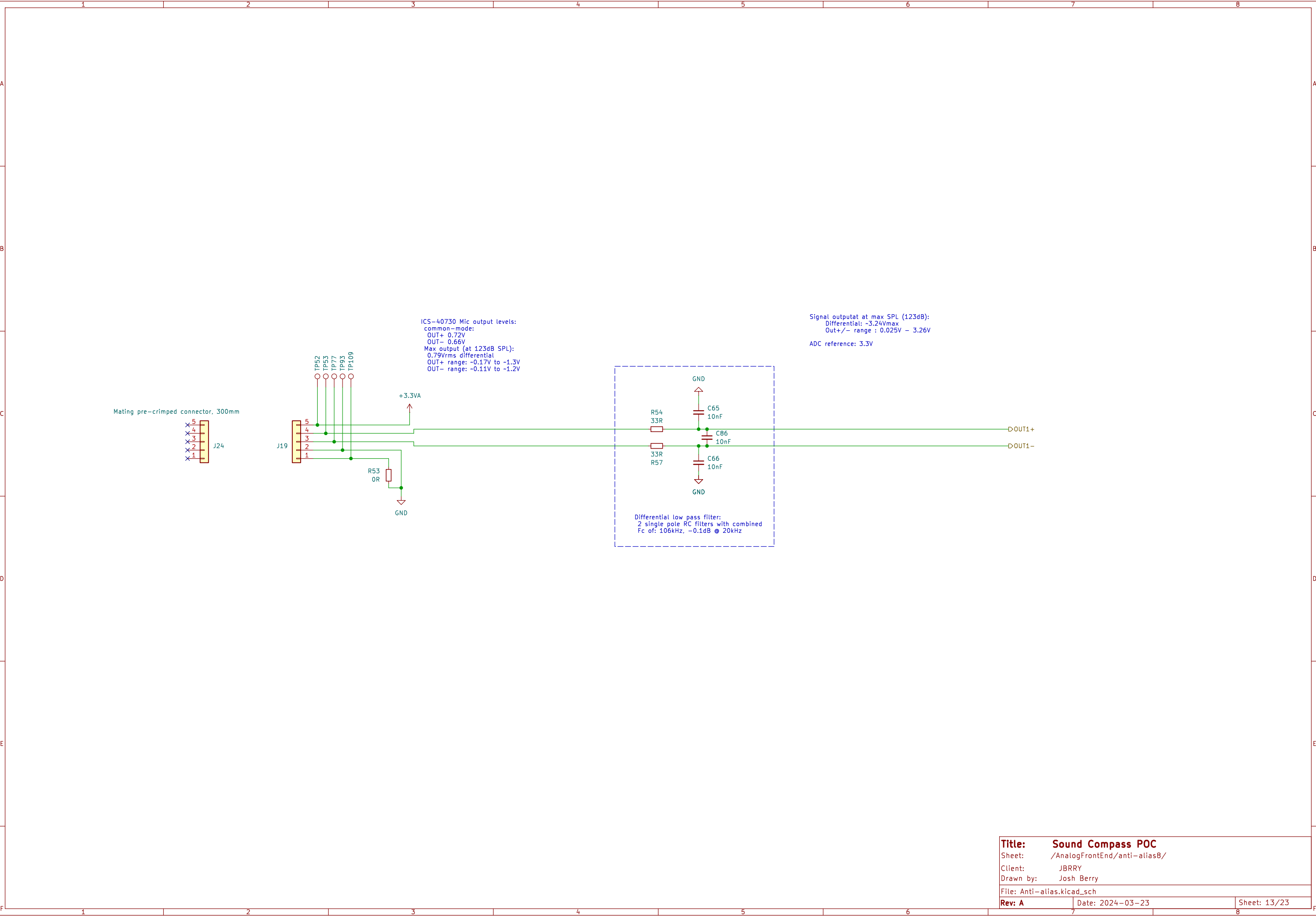
Title: Sound Compass POC		
Sheet: /AnalogFrontEnd/anti-alias5/		
Client: JBRRY		
Drawn by: Josh Berry		
File: Anti-alias.kicad_sch		
Rev: A	Date: 2024-03-23	Sheet: 9/23

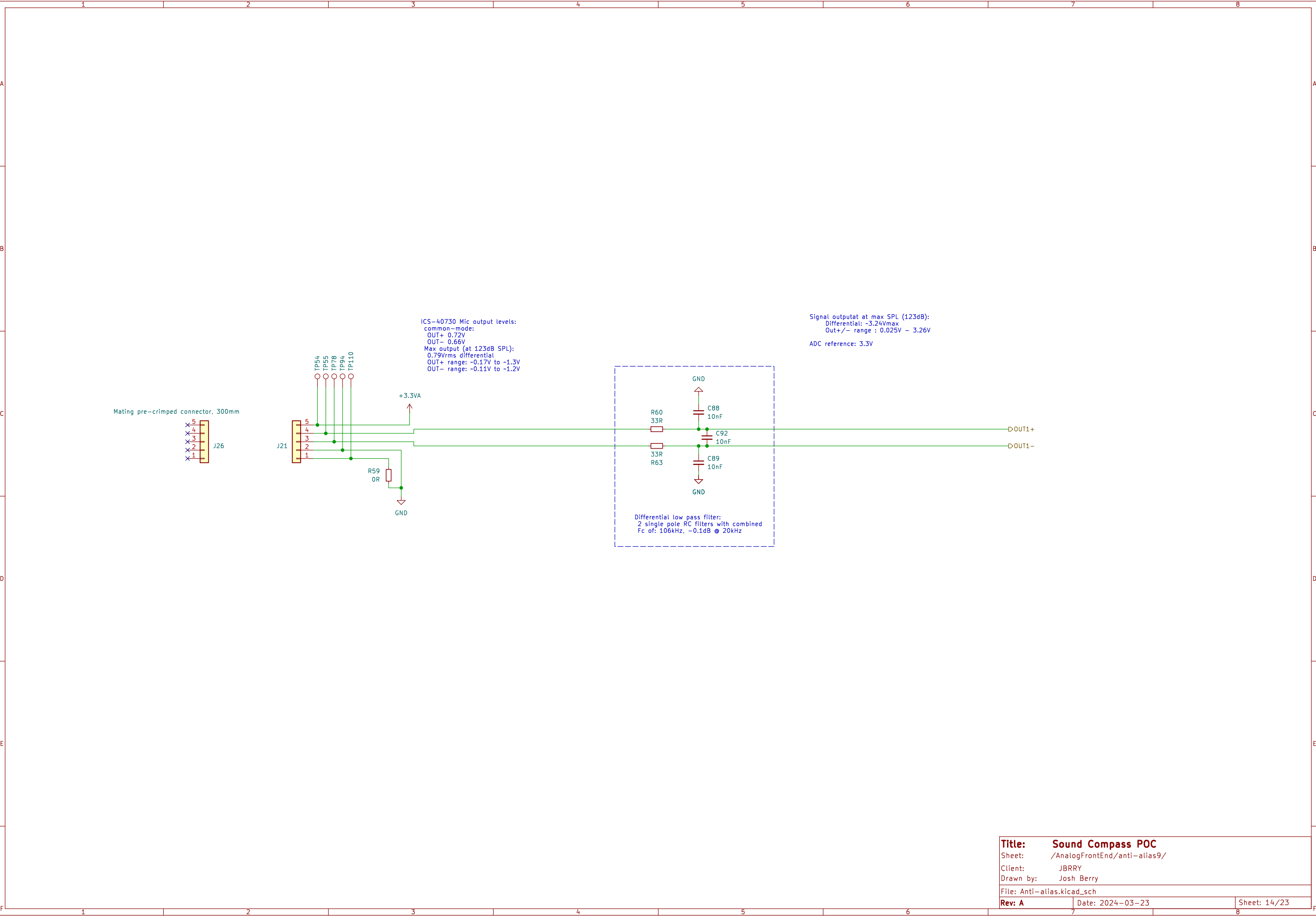


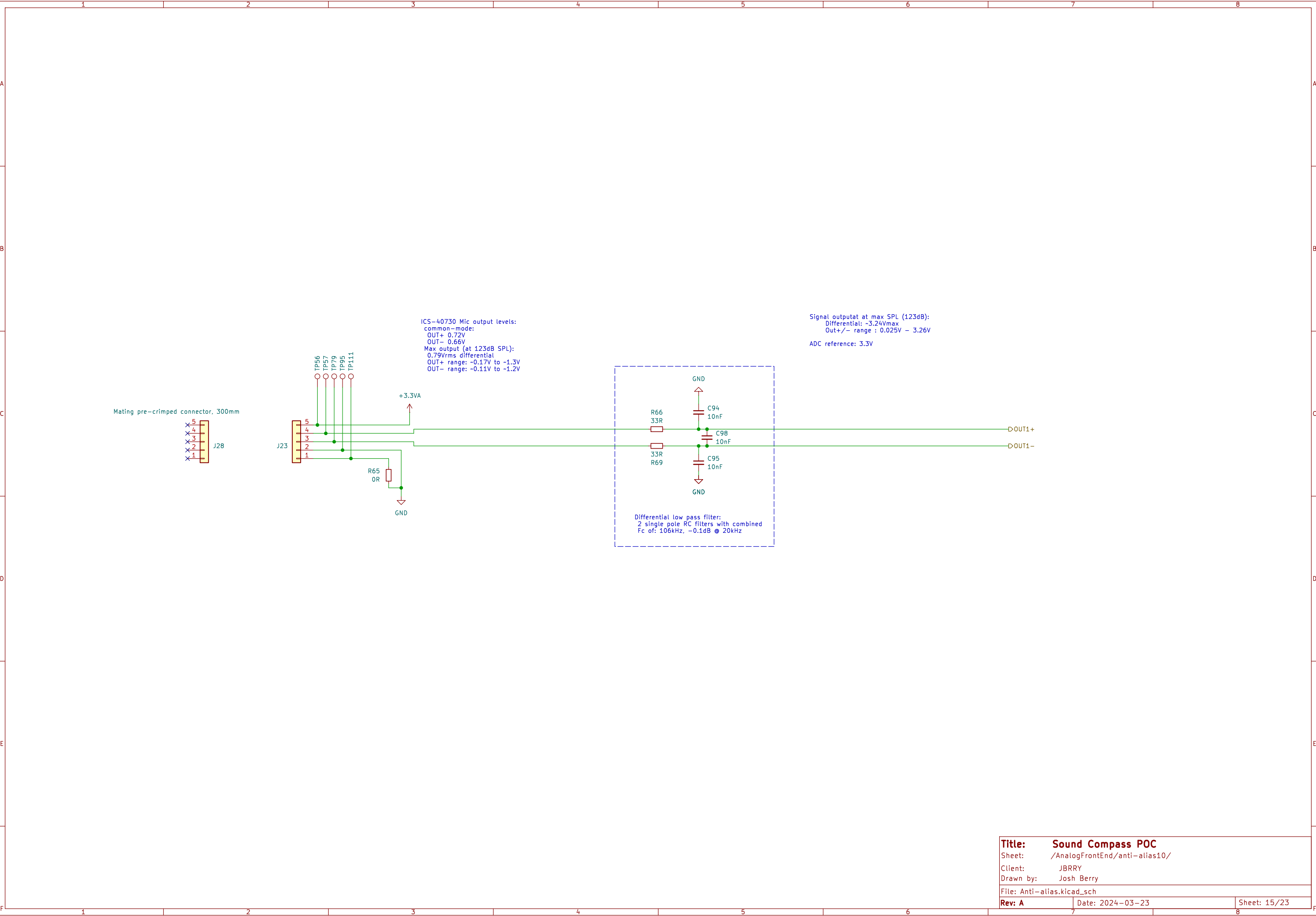




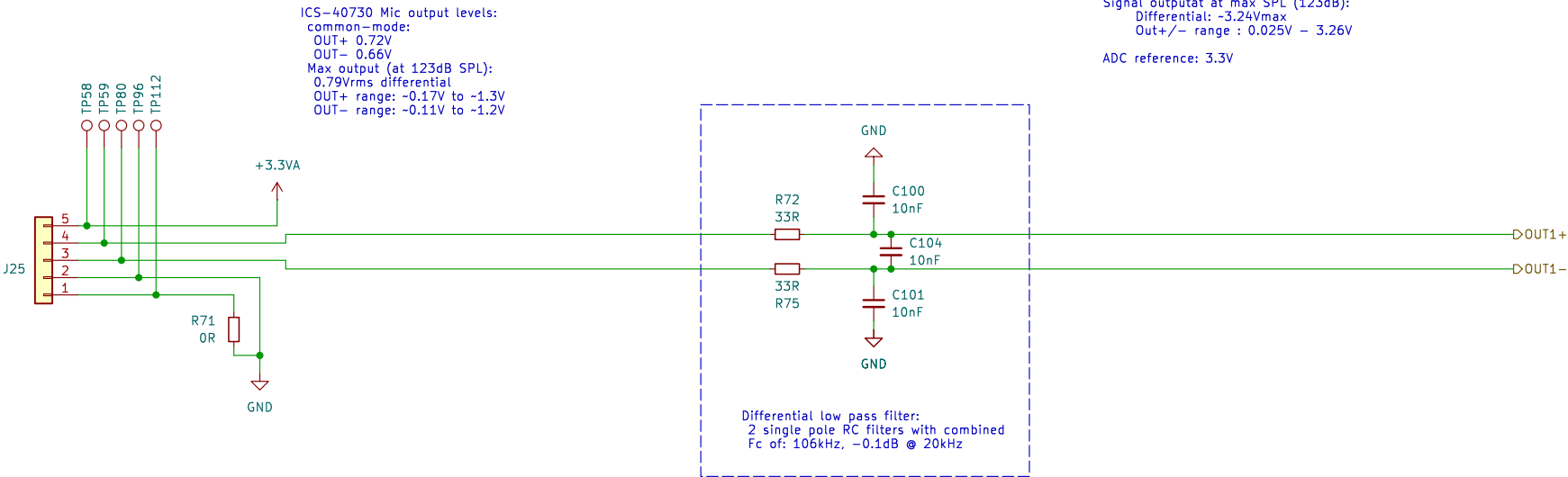








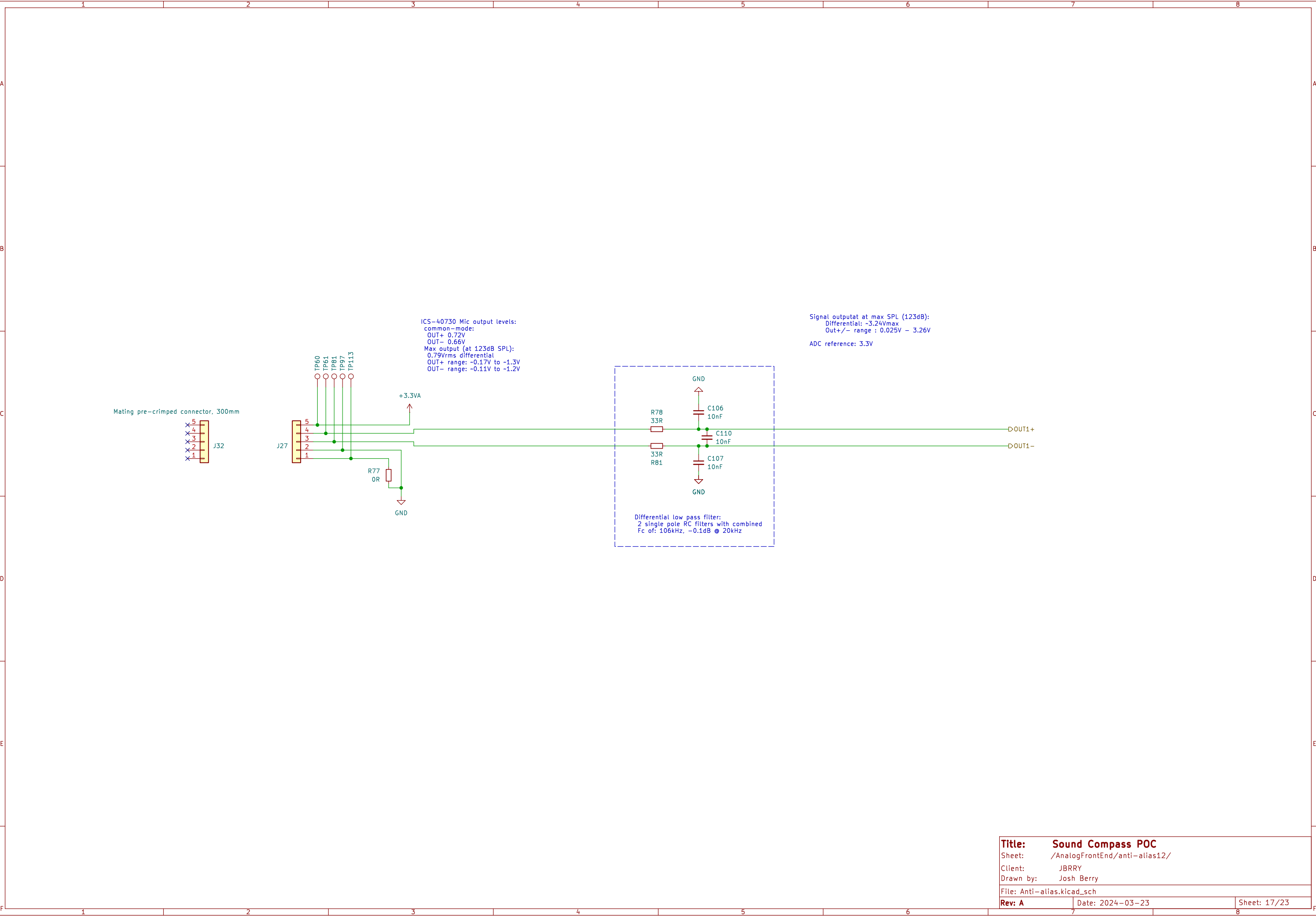
Mating pre-crimped connector, 300mm

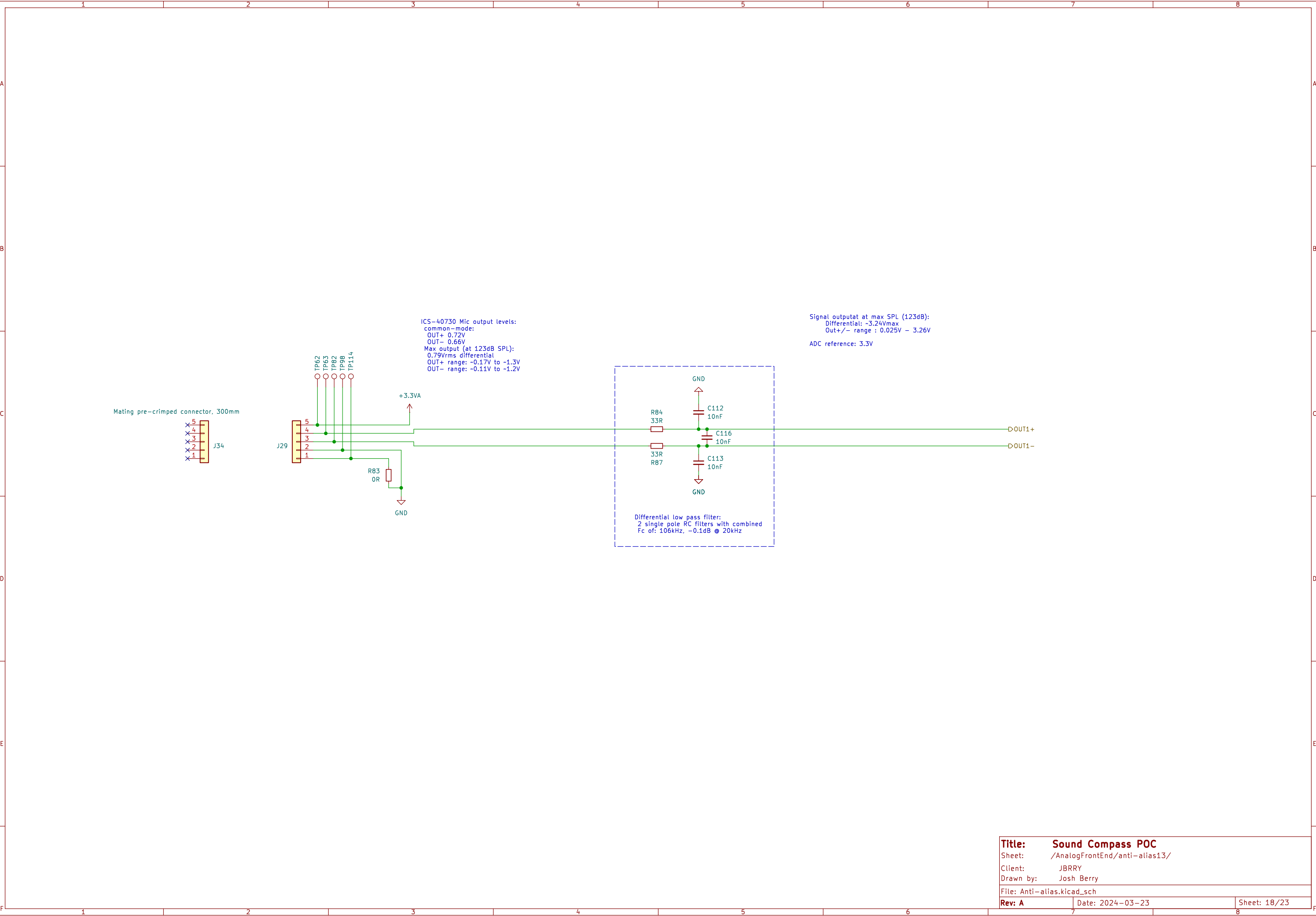


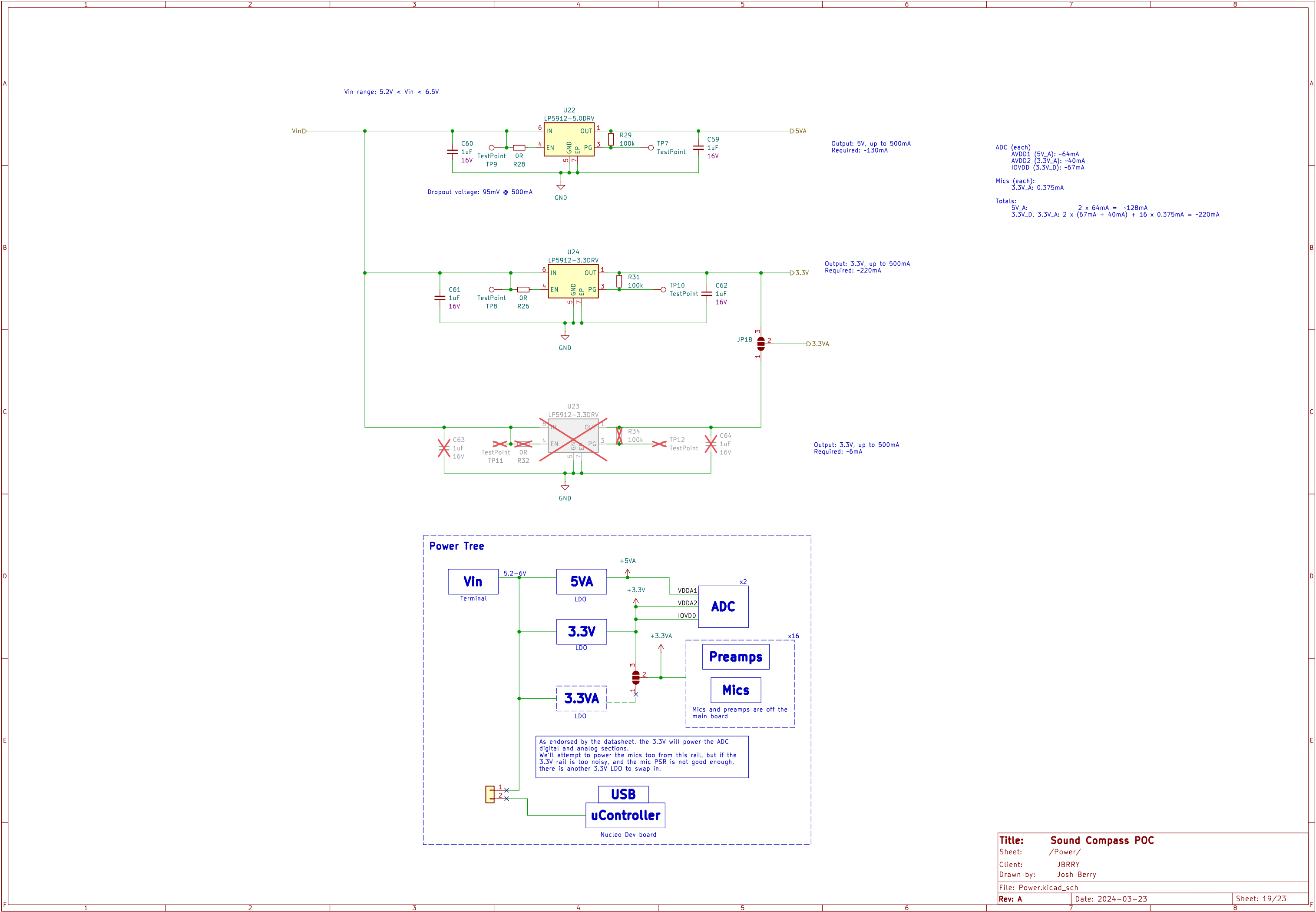
ICS-40730 Mic output levels:
common-mode:
OUT+ 0.72V
OUT- 0.66V
Max output (at 123dB SPL):
0.79Vrms differential
OUT+ range: -0.17V to -1.3V
OUT- range: -0.11V to -1.2V

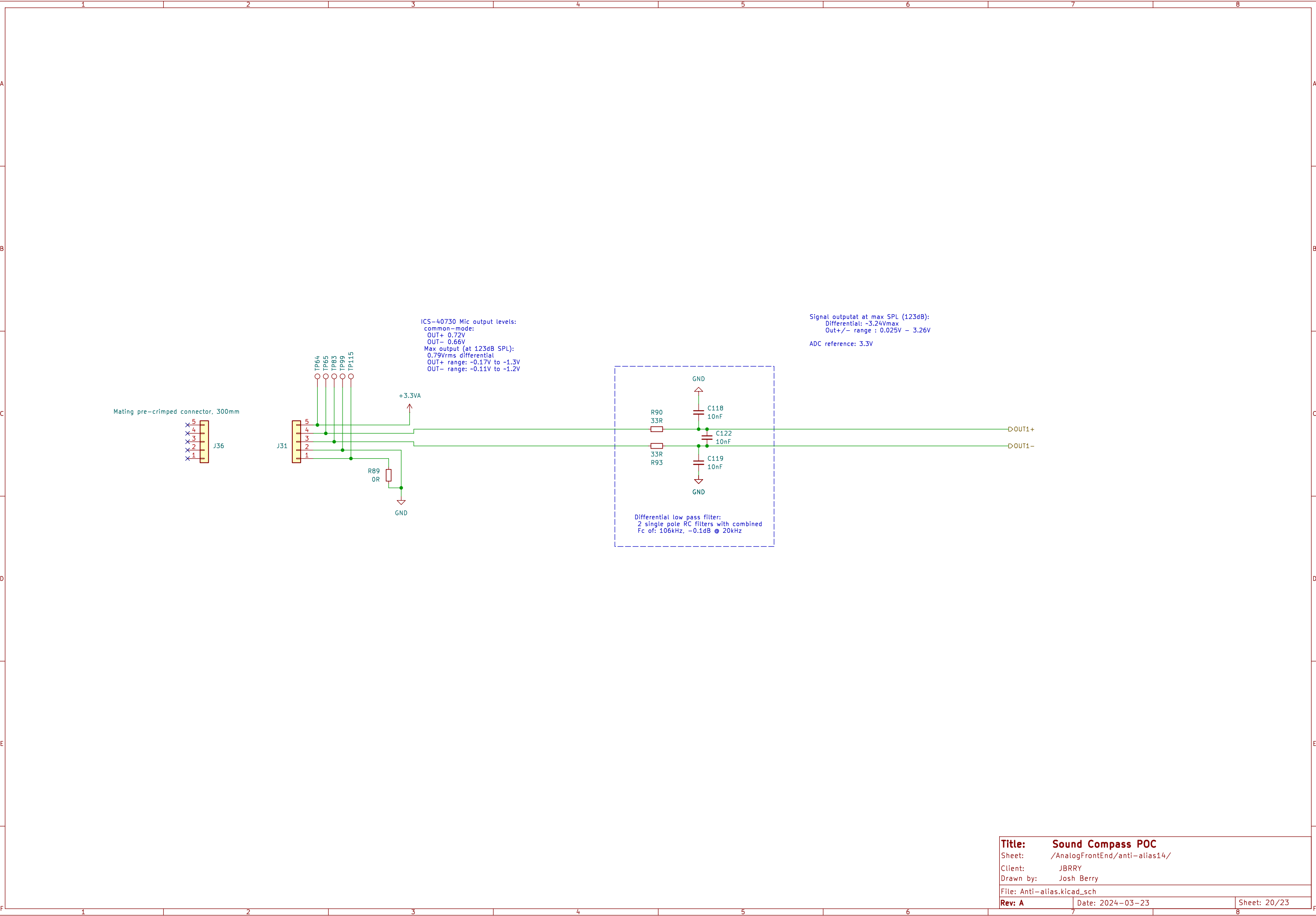
Signal output at max SPL (123dB):
Differential: ~3.24Vmax
Out+/- range : 0.025V - 3.26V
ADC reference: 3.3V

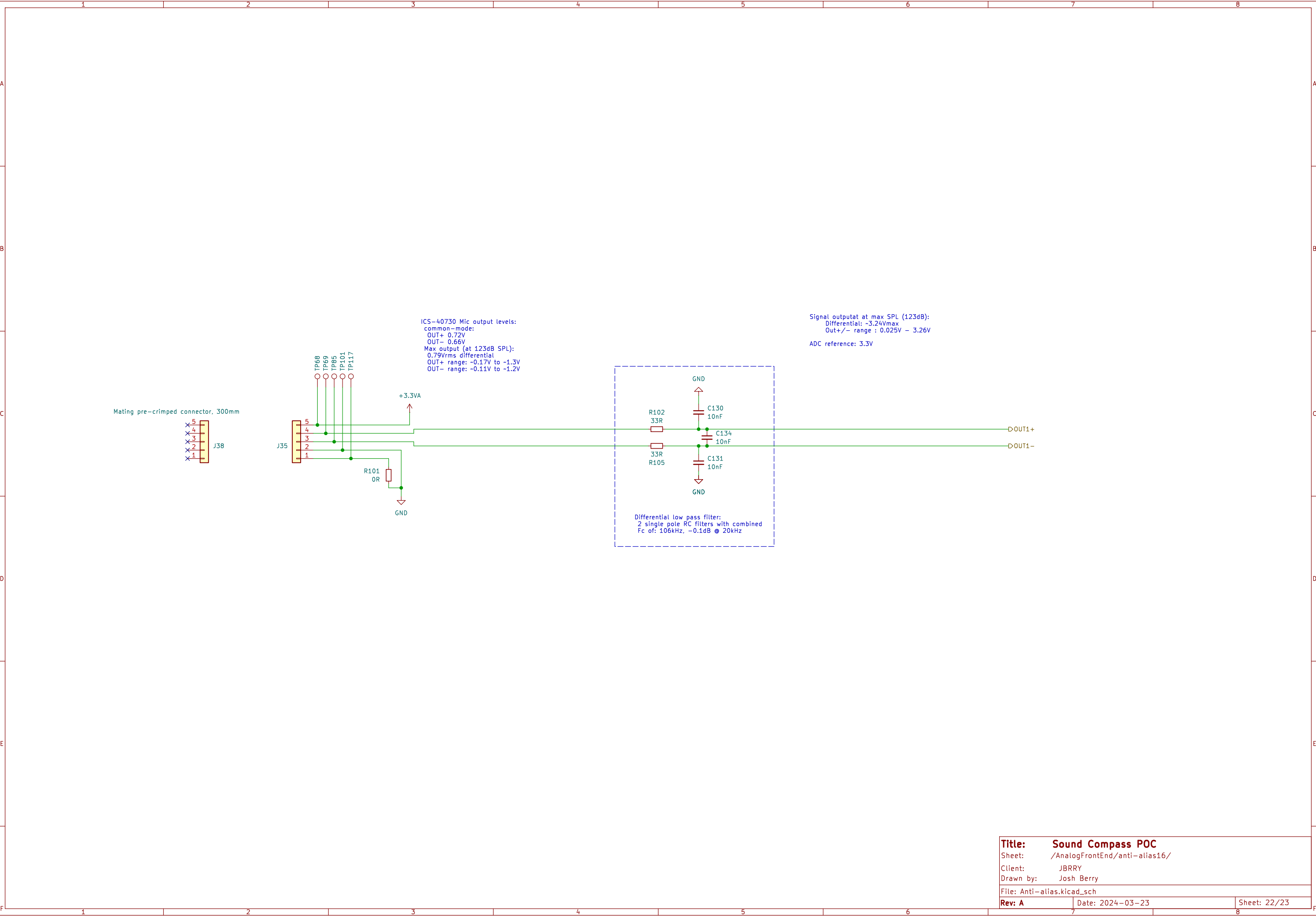
Title: Sound Compass POC		
Sheet: /AnalogFrontEnd/anti-alias11/		
Client: JBRRY		
Drawn by: Josh Berry		
File: Anti-alias.kicad_sch		
Rev: A	Date: 2024-03-23	Sheet: 16/23











Title: Sound Compass POC		
Sheet: /AnalogFrontEnd/anti-alias16/		
Client: JBERRY		
Drawn by: Josh Berry		
File: Anti-alias.kicad_sch		
Rev: A	Date: 2024-03-23	Sheet: 22/23