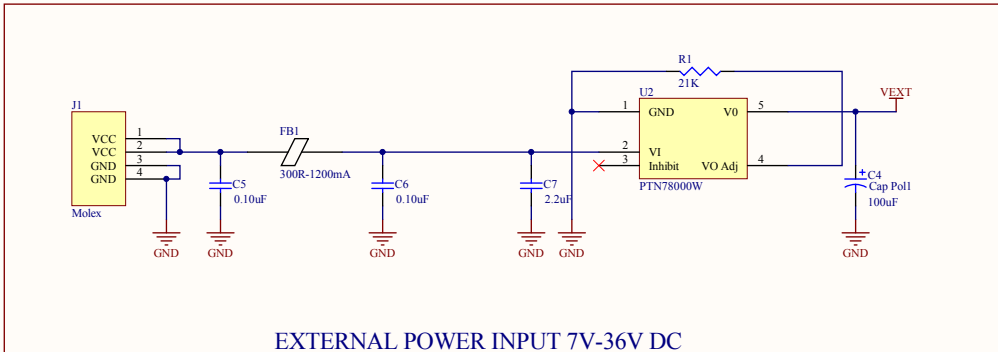
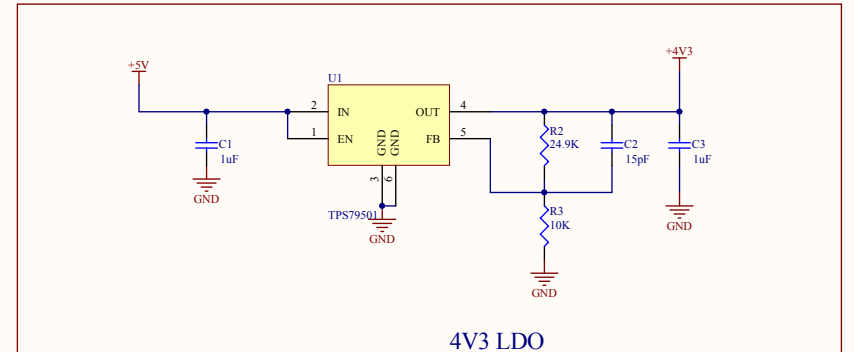


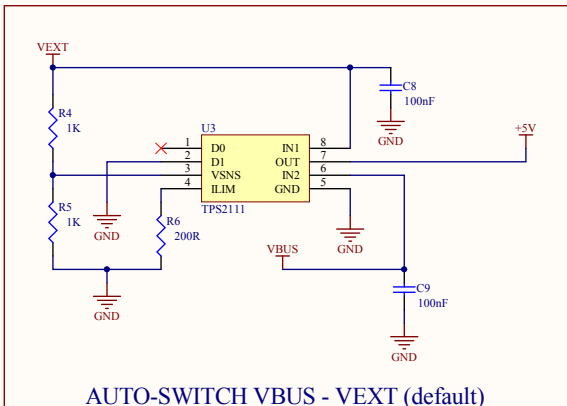
SUBSHEETS & TEST POINTS



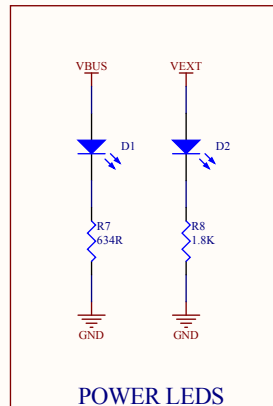
EXTERNAL POWER INPUT 7V-36V DC



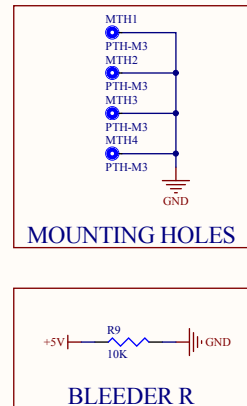
4V3 LDO



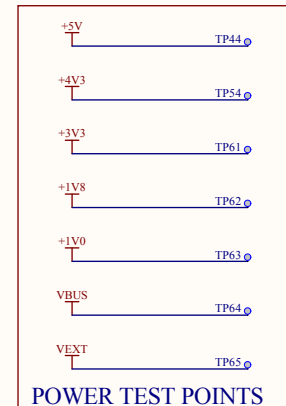
AUTO-SWITCH VBUS - VEXT (default)



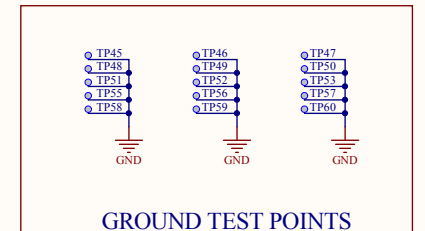
POWER LEDS



BLEEDER R



POWER TEST POINTS

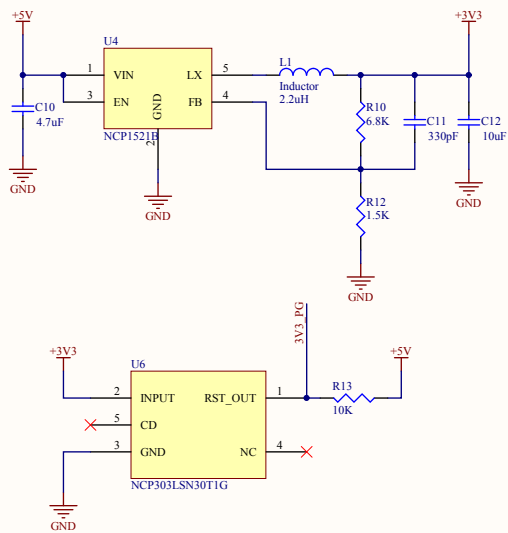


GROUND TEST POINTS

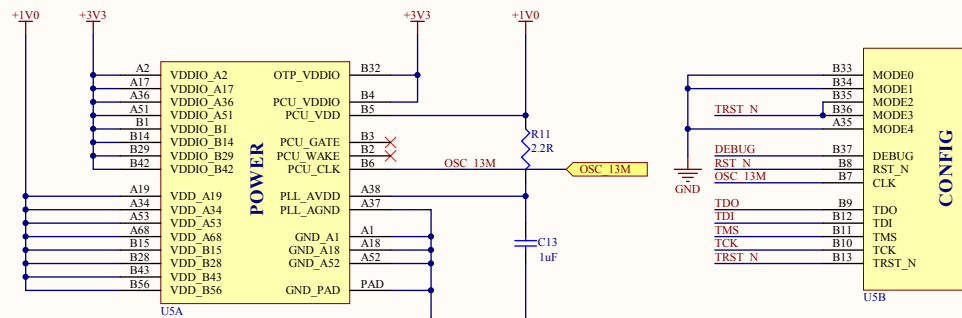
Title: MAIN POWER & SUBSHEETS		Author: S.Choquette	
Sheet: 1 of 9			Team members:
Date: 2011-11-28			M.Bandou, A.Béland, G.Cayer, S.Choquette, F.Gosselin, F.Robitaille, D.Telly, Kizito
Rev.: 2.0	Released under Creative Common Licence Attribution-ShareAlike 2.5 Canada (CC BY-SA 2.5)		
Info.: http://sourceforge.net/projects/eightsoundsusb/		Design inspired by XMOS USB Audio 2.0 Maticchannel Ref.	

A

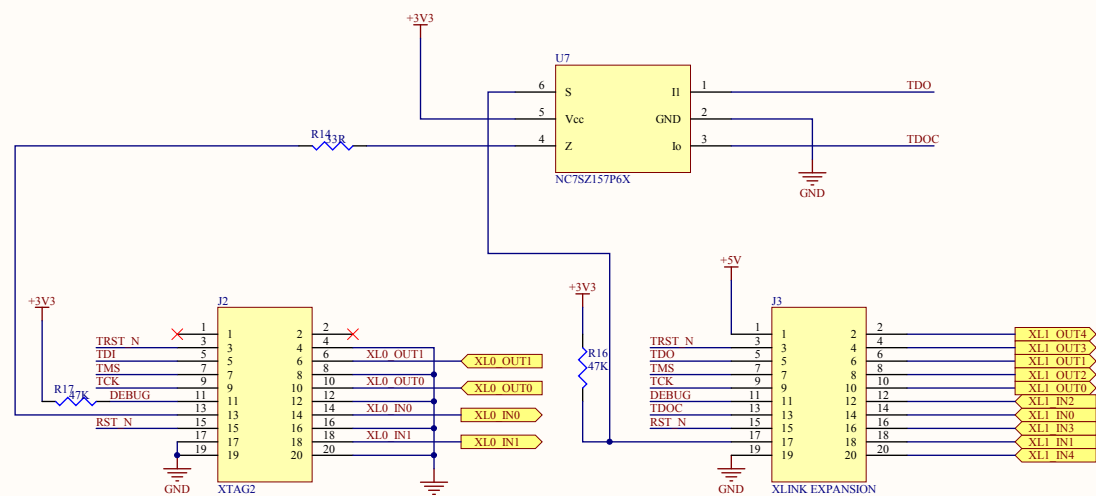
A



3V3 POWER SUPPLY & VOLTAGE SUPERVISOR

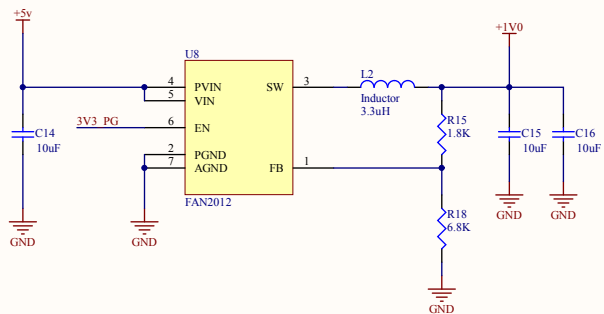


XS1-L2 SERVICE & POWERING

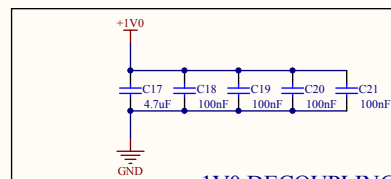


Note 1: The expansion connector for the daughter board must have pins 17 and 19 to ground
WARNING: Whenever 5 wire or 2 wire XSYS is used by daughter board, the main code shall be properly configured

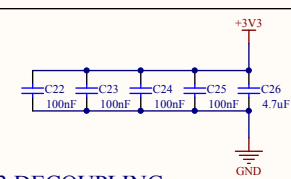
XTAG2 INPUT & XLINK EXPANSION



1V0 POWER SUPPLY & VOLTAGE SUPERVISOR



1V0 DECOUPLING



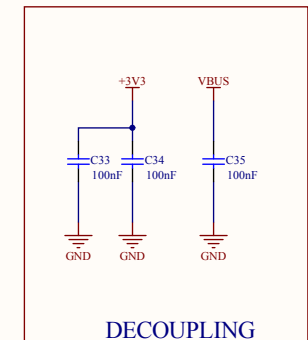
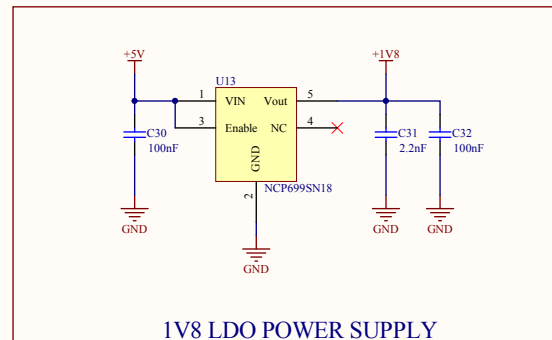
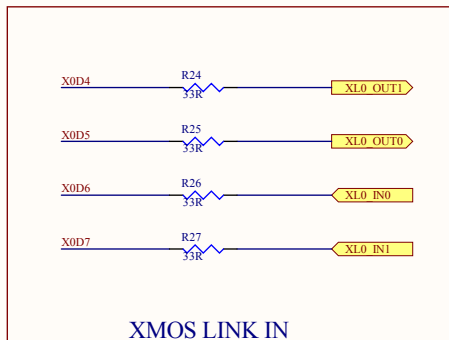
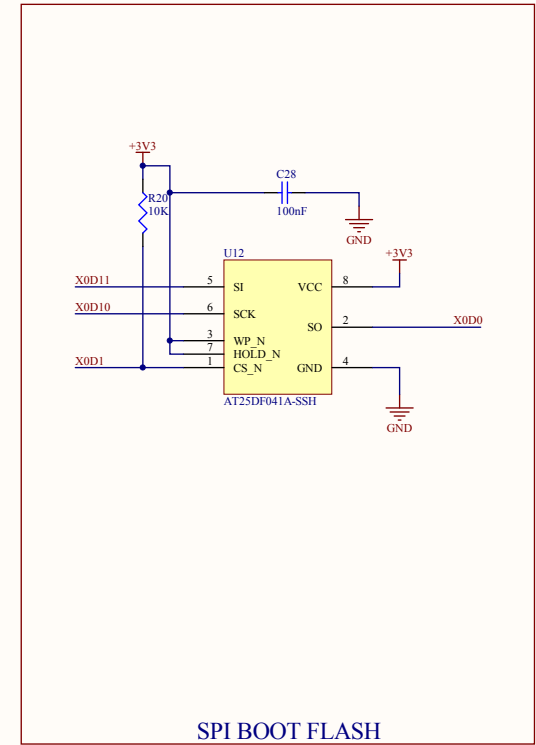
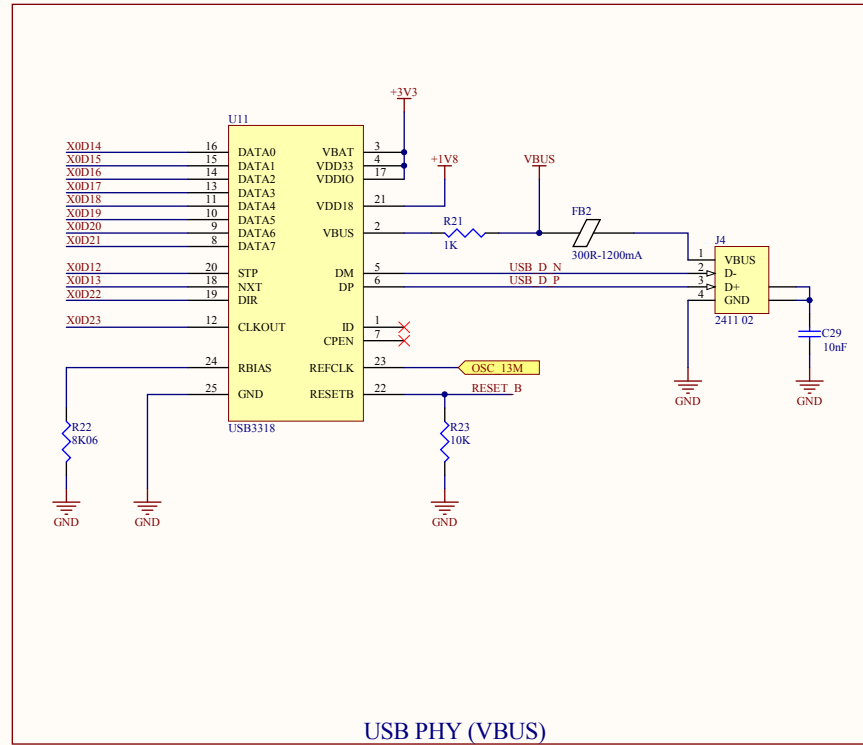
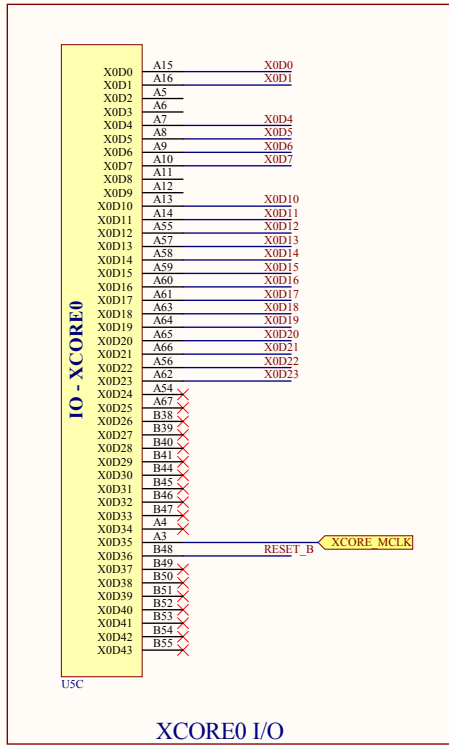
3V3 DECOUPLING

D

D

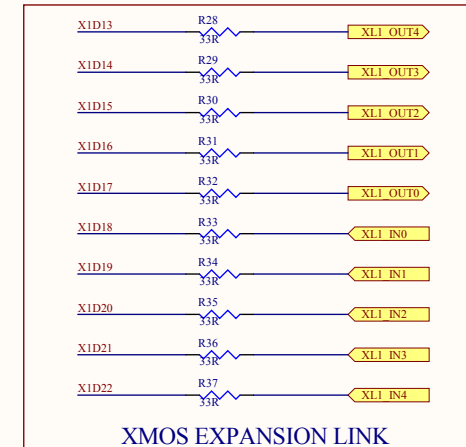
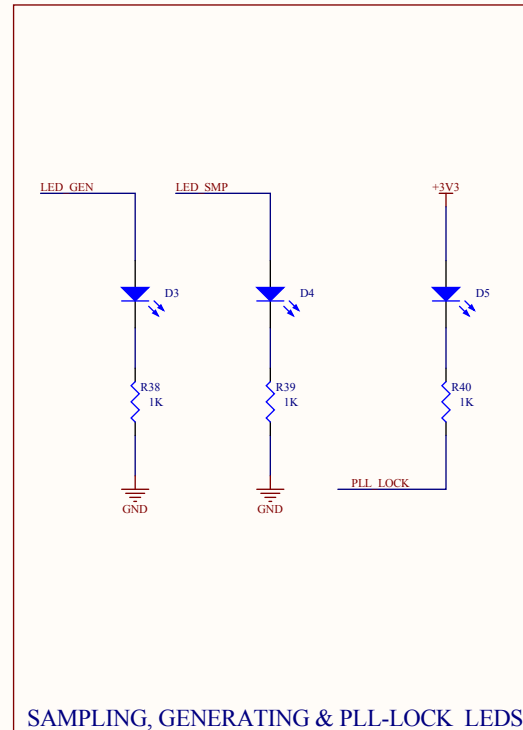
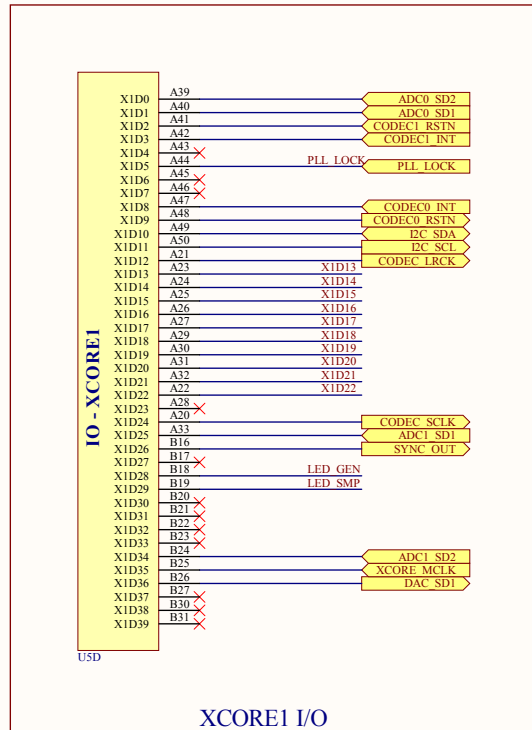
Title: XS1 SYSTEM		Author: S.Choquette	
Sheet: 2 of 9		Team members:	
Date: 2011-11-28		M.Bandou, A.Béland, G.Cayer,	
Rev.: 2.0		S.Choquette, F.Gosselin,	
8SoundsUSB		F.Robitaille, D.Telly, Kizito	
Released under Creative Common Licence Attribution-ShareAlike 2.5 Canada (CC BY-SA 2.5)			
Info.: http://sourceforge.net/projects/eightsoundsusb/		Design inspired by XMOS USB Audio 2.0 Multifunction Ref.	

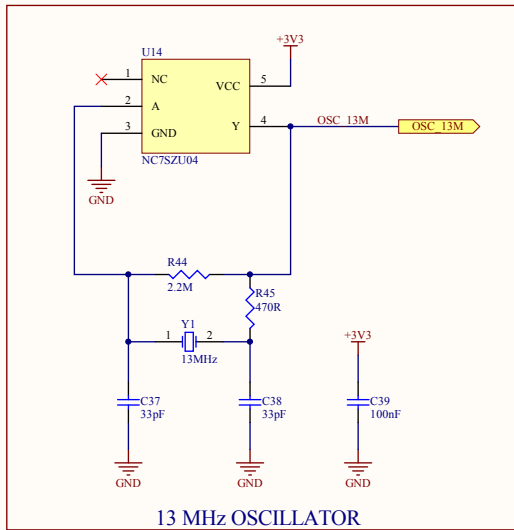
8SoundsUSB



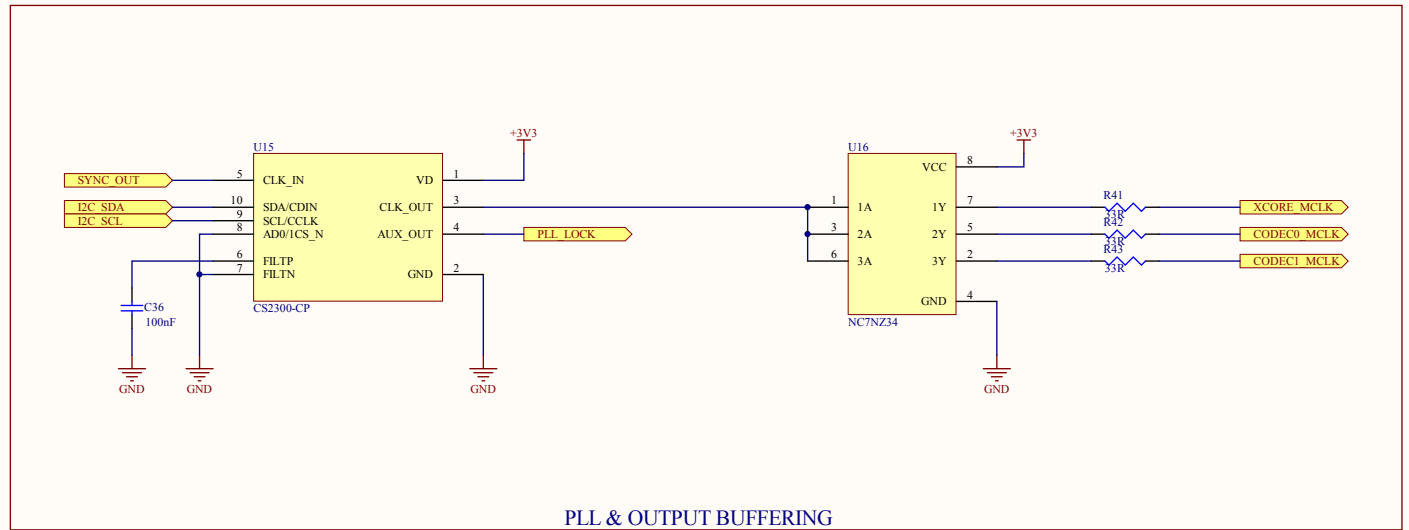
Title: XSI CORE0		Author: S.Choquette	
Sheet: 3 of 9		Team members:	
Date: 2011-11-28		M.Bandou, A.Béland, G.Cayer,	
Rev.: 2.0		S.Choquette, F.Gosselin,	
8sSoundsUSB		F.Robitaille, D.Telly, Kizito	
Released under Creative Common Licence Attribution-ShareAlike 2.5 Canada (CC BY-SA 2.5)			
Info.: http://sourceforge.net/projects/eightsoundusb/		Design inspired by XMOS USB Audio 2.0 Multifunction Ref.	



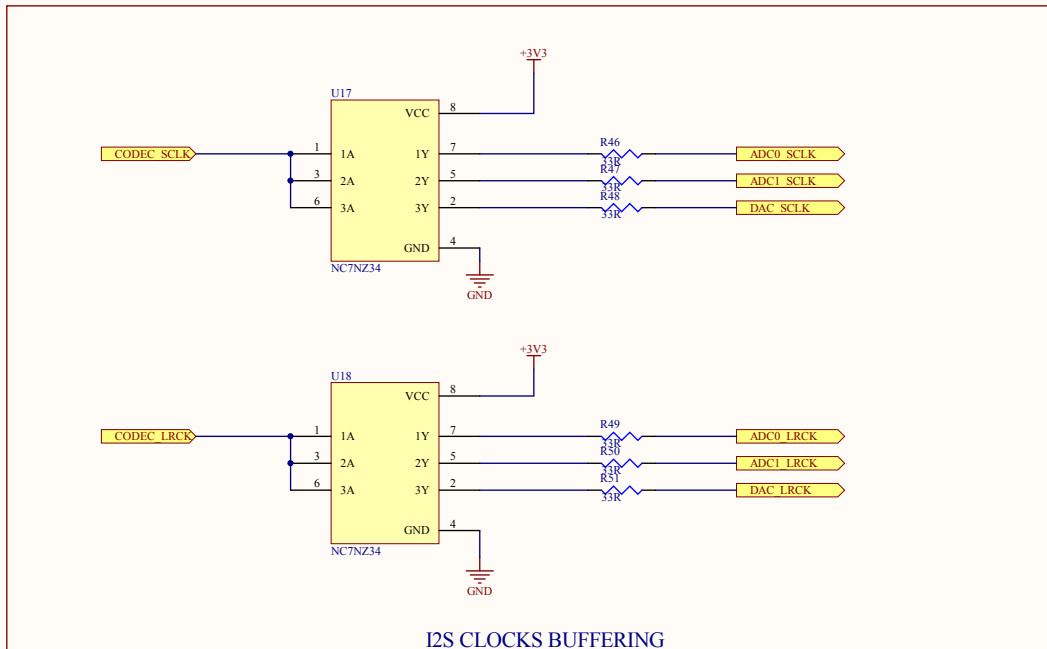




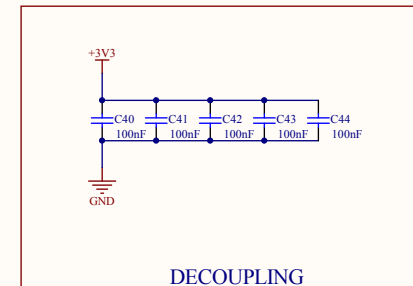
13 MHz OSCILLATOR



PLL & OUTPUT BUFFERING



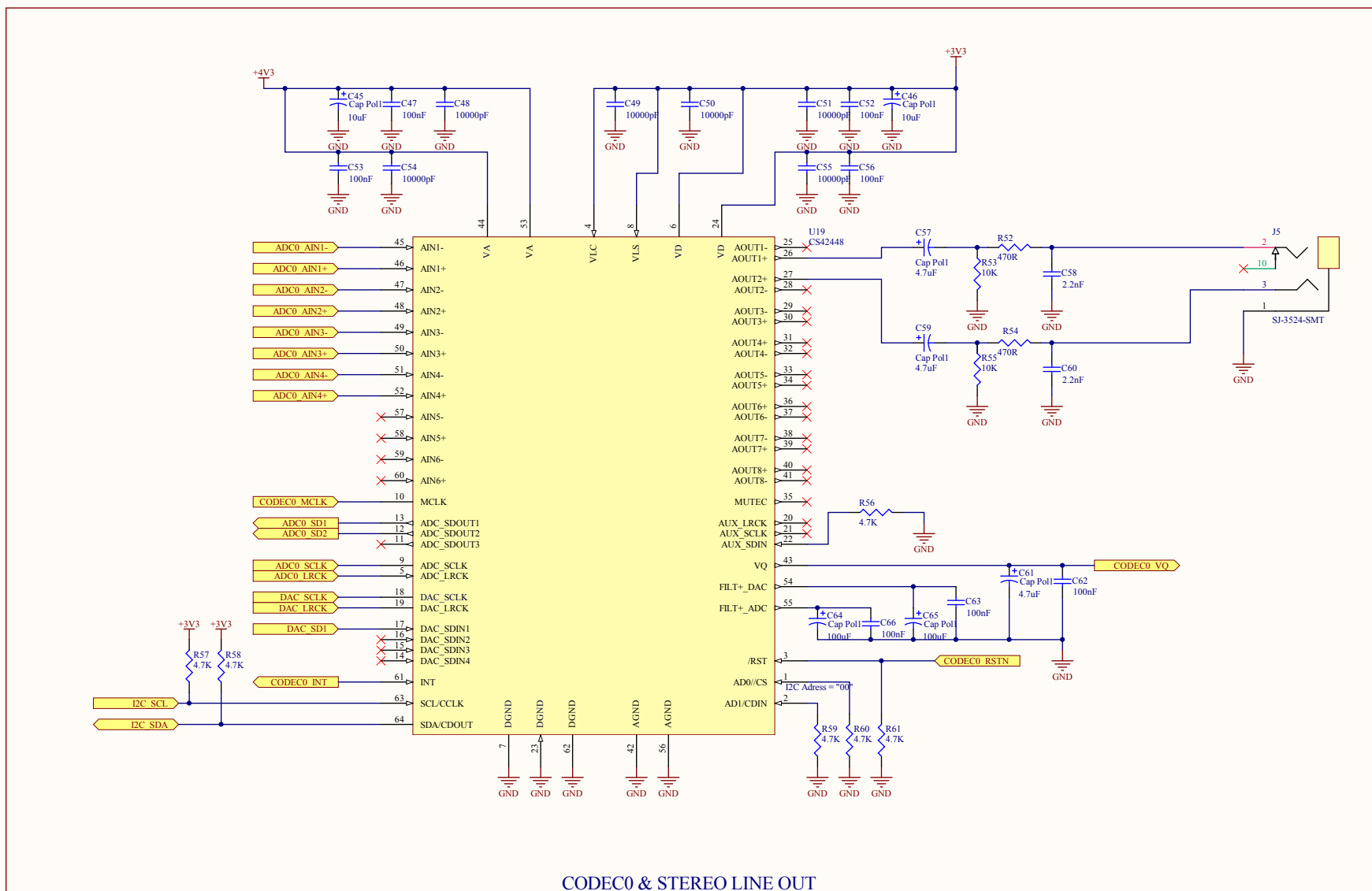
I2S CLOCKS BUFFERING



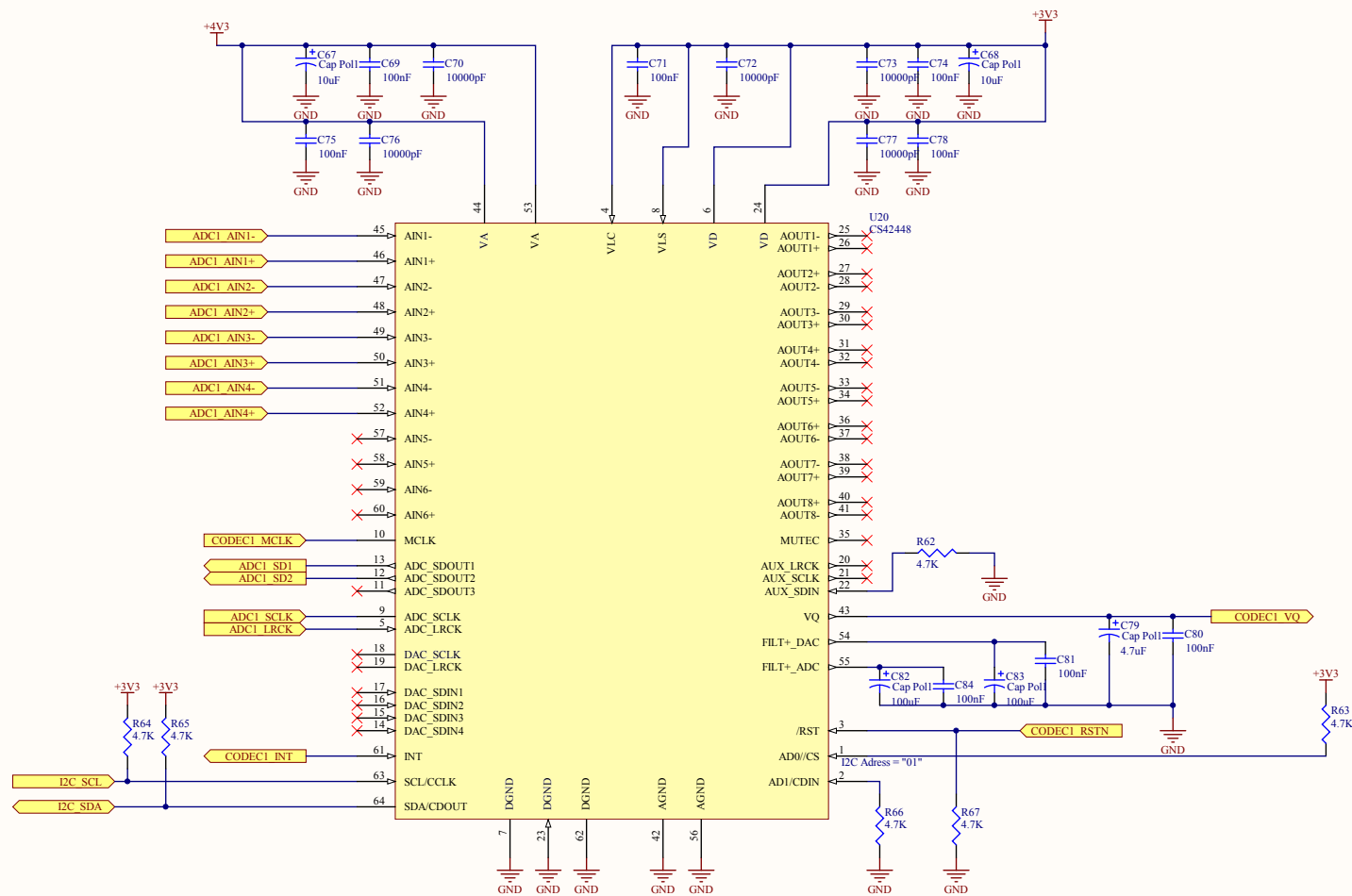
DECOUPLING

Title: CLOCKING	Author: S.Choquette
Sheet: 5 of 9	Team members:
Date: 2011-11-28	M.Bandou, A.Béland, G.Cayer,
Rev.: 2.0	S.Choquette, F.Gosselin,
	F.Robitaille, D.Telly.Kizito
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Info.: http://sourceforge.net/projects/eightsoundsusb/	Design inspired by XMOS USB Audio 2.0 Multifunction Ref.



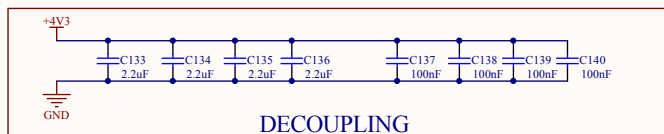
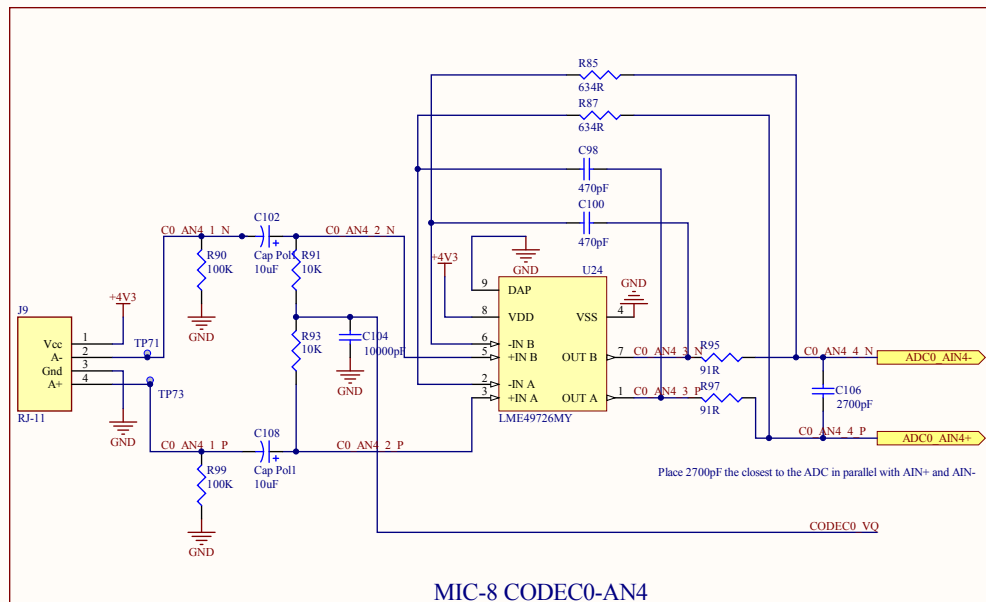
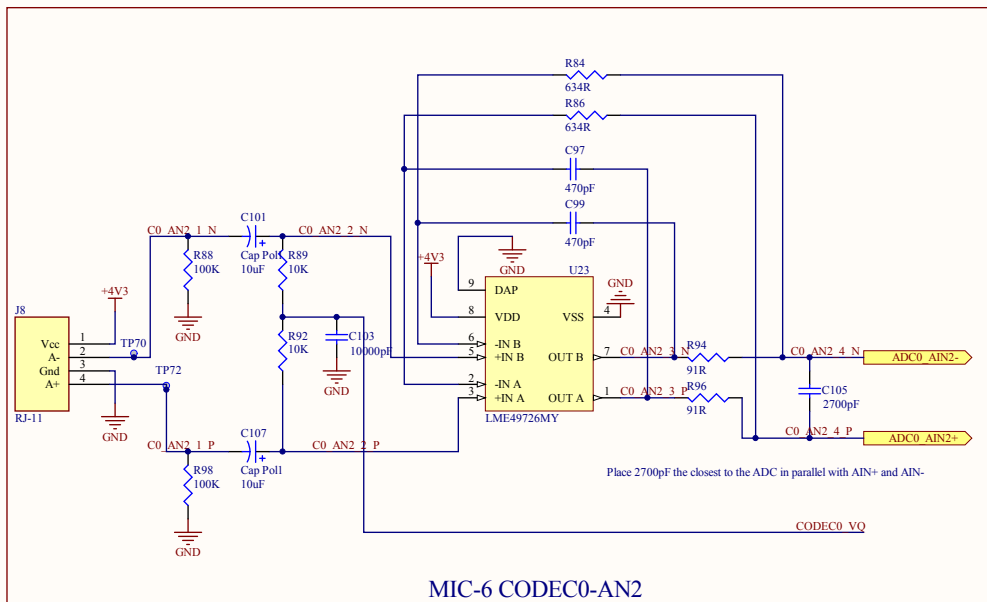
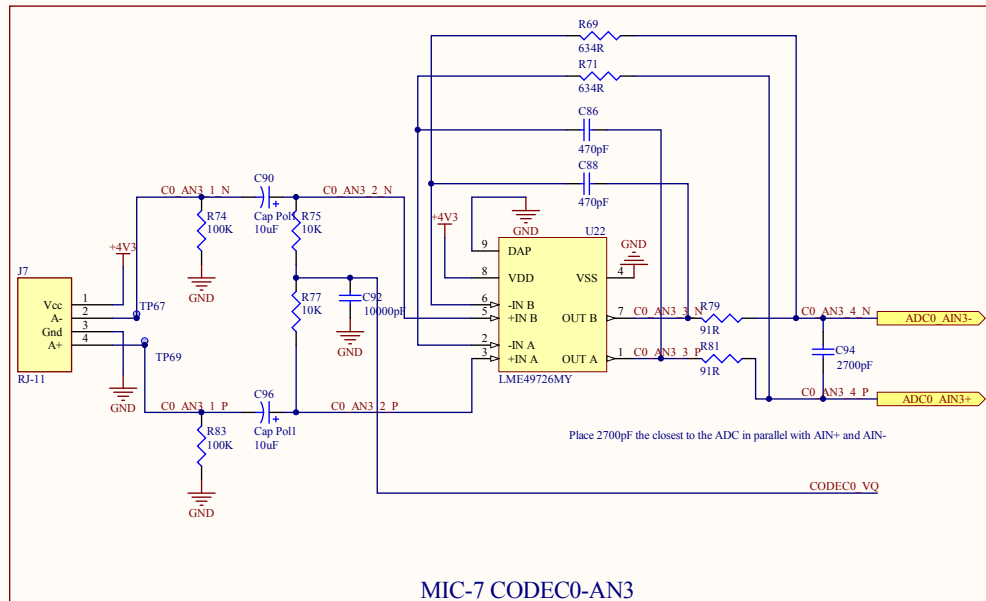
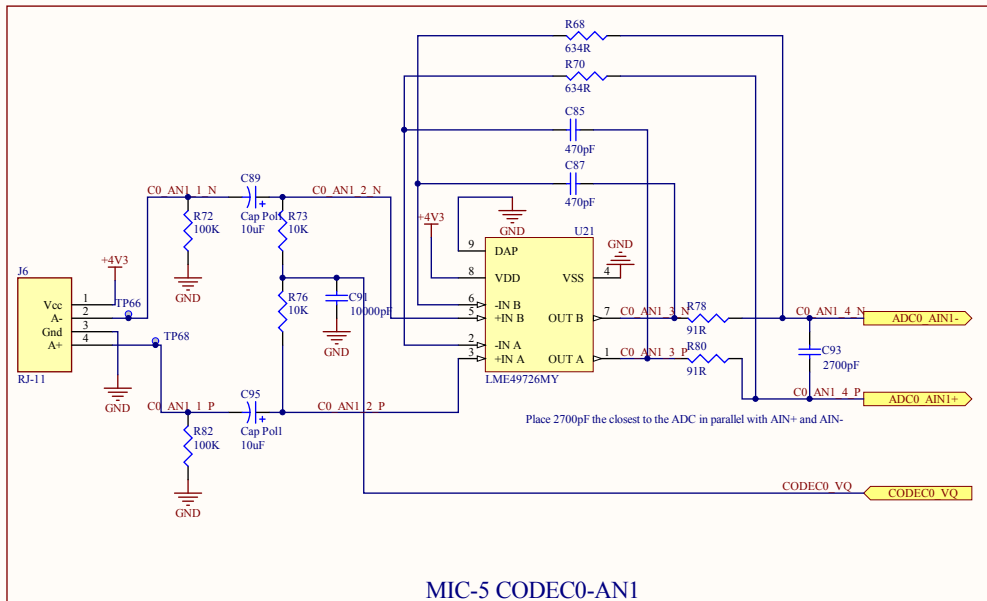


Title: CODEC 0	Author: S.Choquette
Sheet: 6 of 9	Team members:
Date: 2011-11-28	M.Bandou, A.Béland, G.Cayer,
Rev.: 2.0	S.Choquette, F.Gosselin,
	F.Robitaille, D.Telly.Kizito
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Info.: http://sourceforge.net/projects/eightsoundsusb/	Design inspired by XMOS USB Audio 2.0 Multifunction Ref.

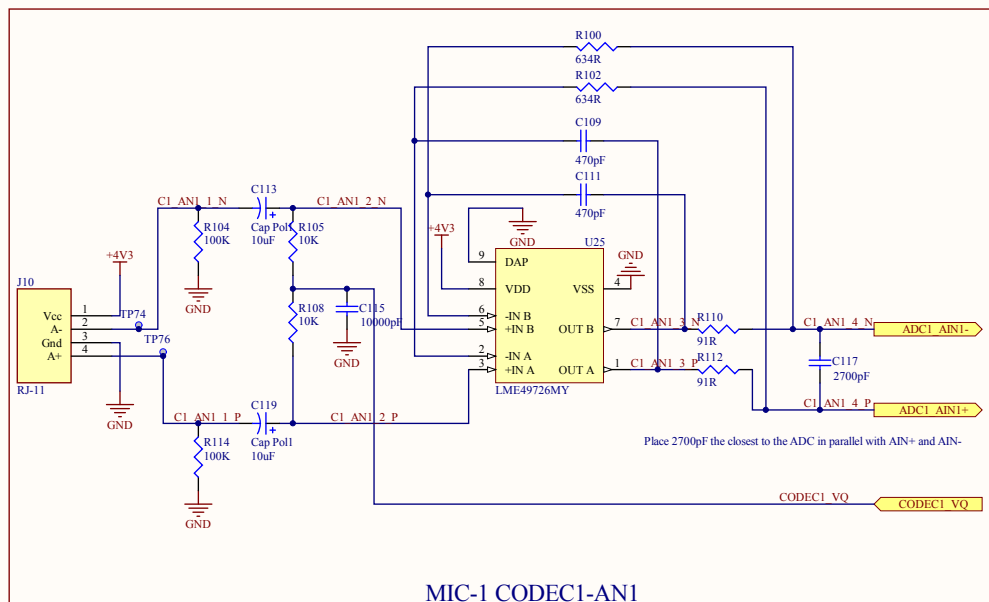


CODEC1

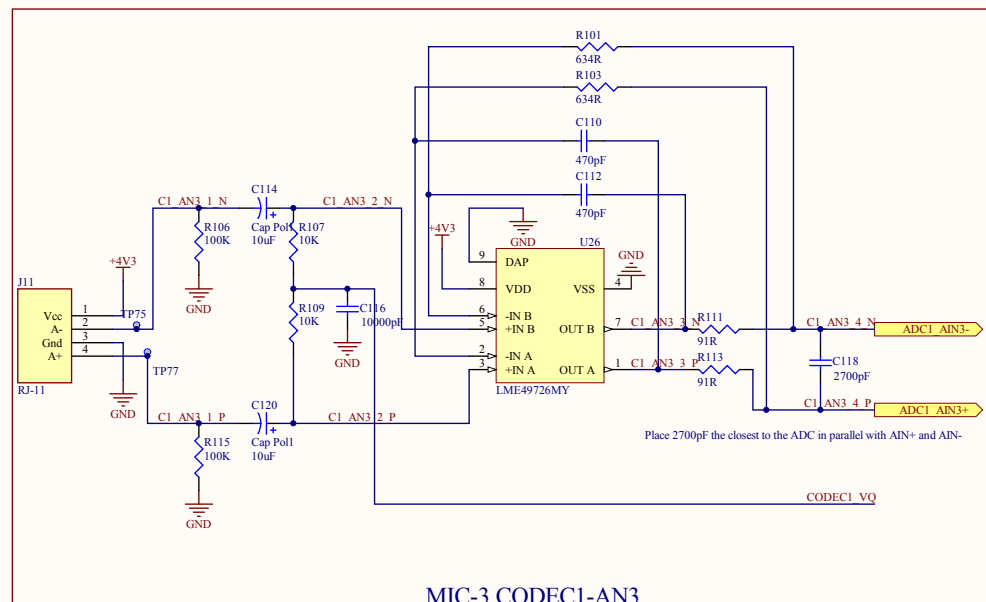
Title: CODEC 1	Author: S.Choquette
Sheet: 7 of 9	Team members:
Date: 2011-11-28	M.Bandou, A.Béland, G.Cayer,
Rev.: 2.0	S.Choquette, F.Gosselin,
	F.Robitaille, D.Telly.Kizito
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Info.: http://sourceforge.net/projects/eightsoundsusb/	Design inspired by XMOS USB Audio 2.0 Multichannel Ref.



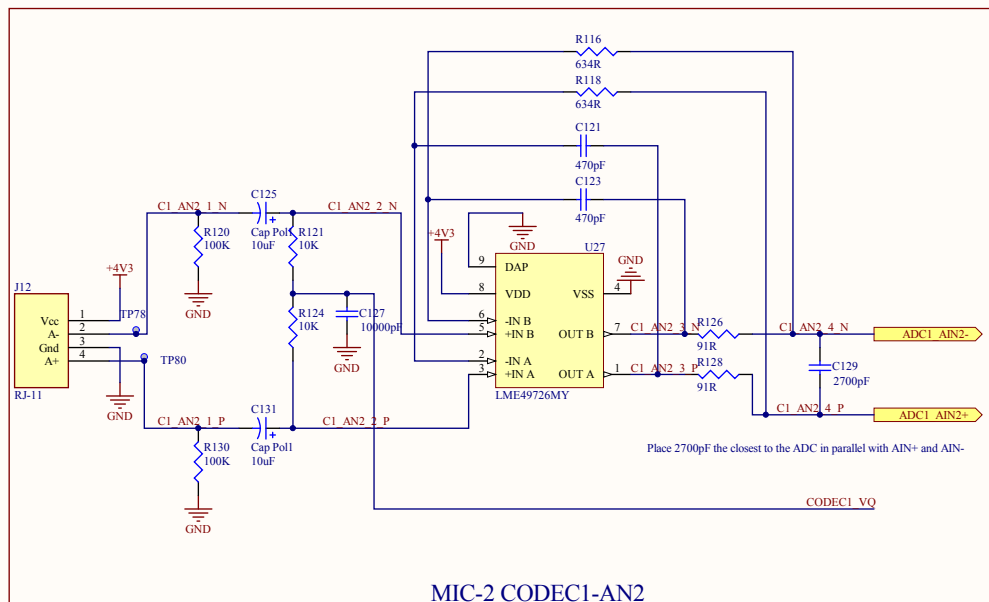
Title: PREAMP 0	Author: S.Choquette
Sheet: 8 of 9	Team members:
Date: 2011-11-28	M.Bandou, A.Béland, G.Cayer,
Rev.: 2.0	S.Choquette, F.Gosselin,
	F.Robitaille, D.Telly, Kizito
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Info.: http://sourceforge.net/projects/eightsoundsusb/	Design inspired by XMOS USB Audio 2.0 Multichannel Ref.



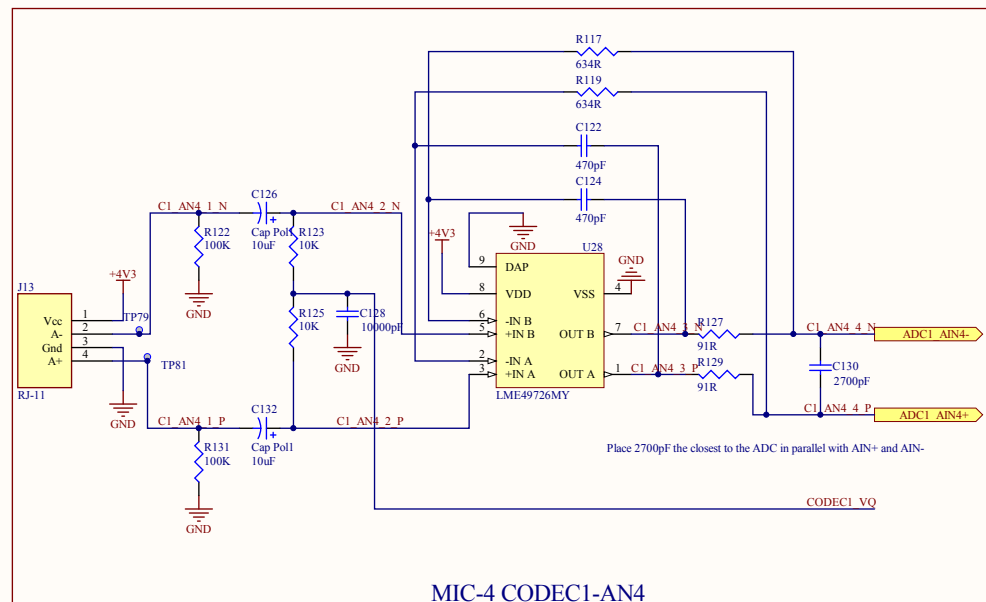
MIC-1 CODEC1-AN1



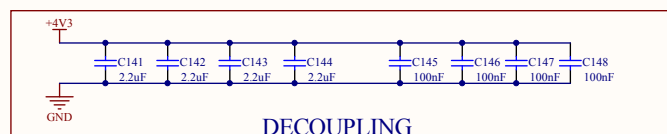
MIC-3 CODEC1-AN3



MIC-2 CODEC1-AN2

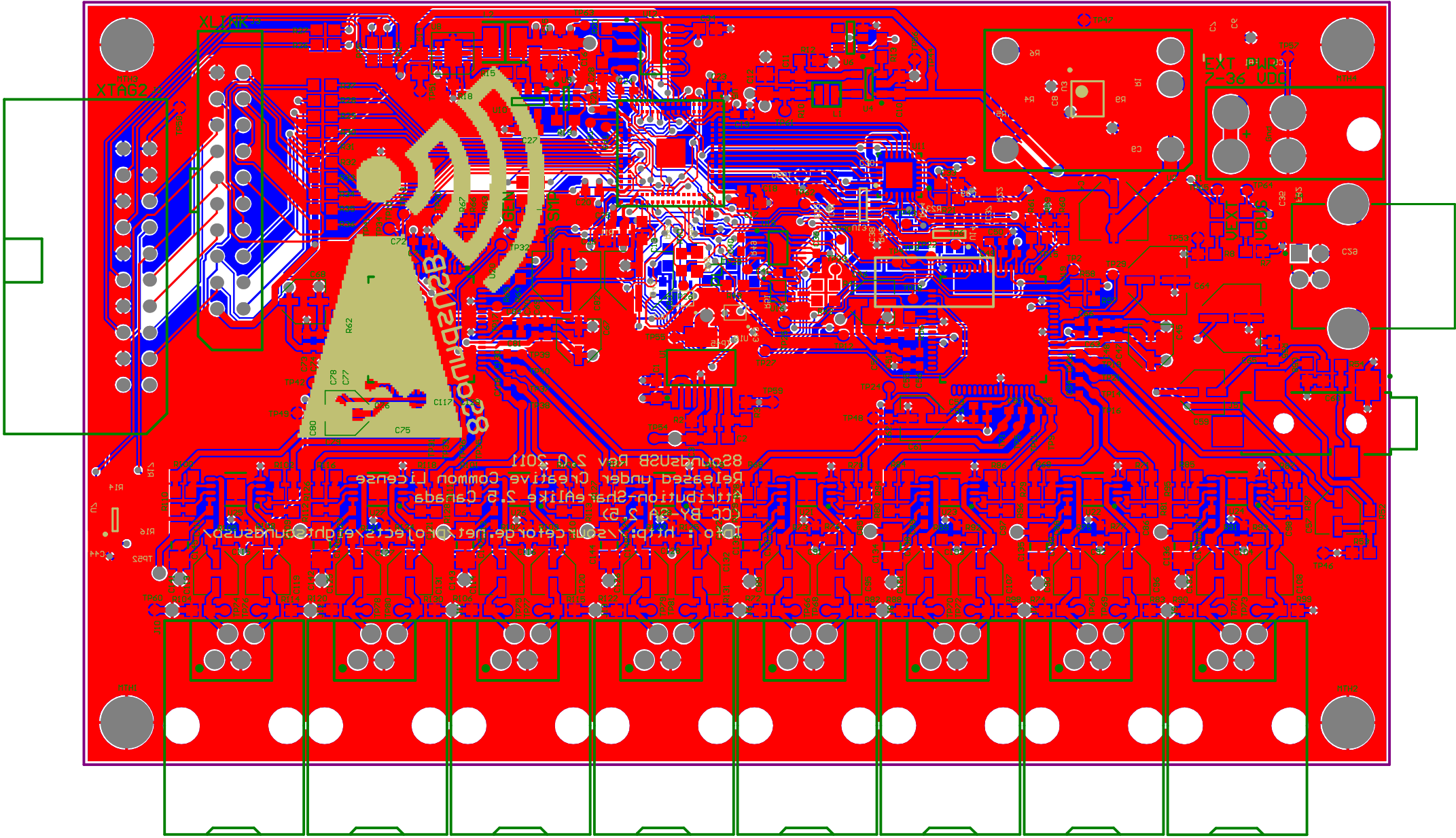


MIC-4 CODEC1-AN4



Title: PREAMP 1	Author: S.Choquette
Sheet: 9 of 9	Team members:
Date: 2011-11-28	M.Bandou, A.Béland, G.Cayer,
Rev.: 2.0	S.Choquette, F.Gosselin,
	F.Robitaille, D.Telly, Kizito
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Info.: http://sourceforge.net/projects/eightsoundsusb/	Design inspired by XMOS USB Audio 2.0 Multifunction Ref.





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