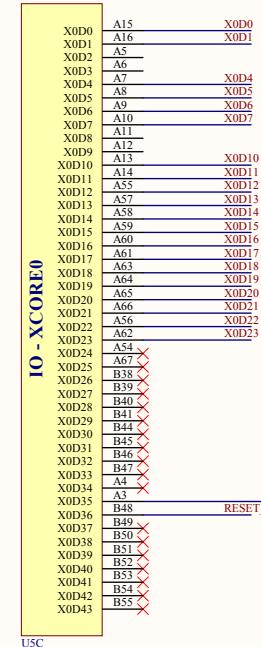
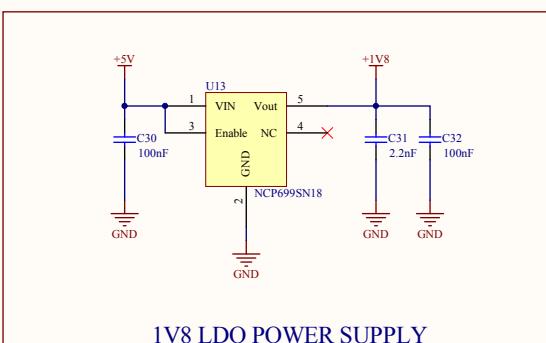
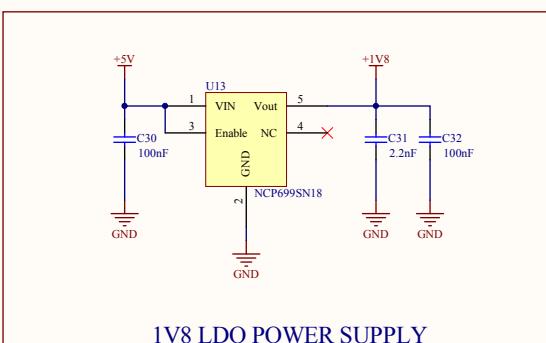
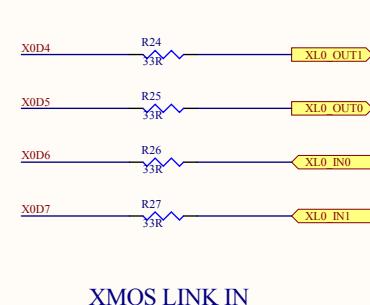
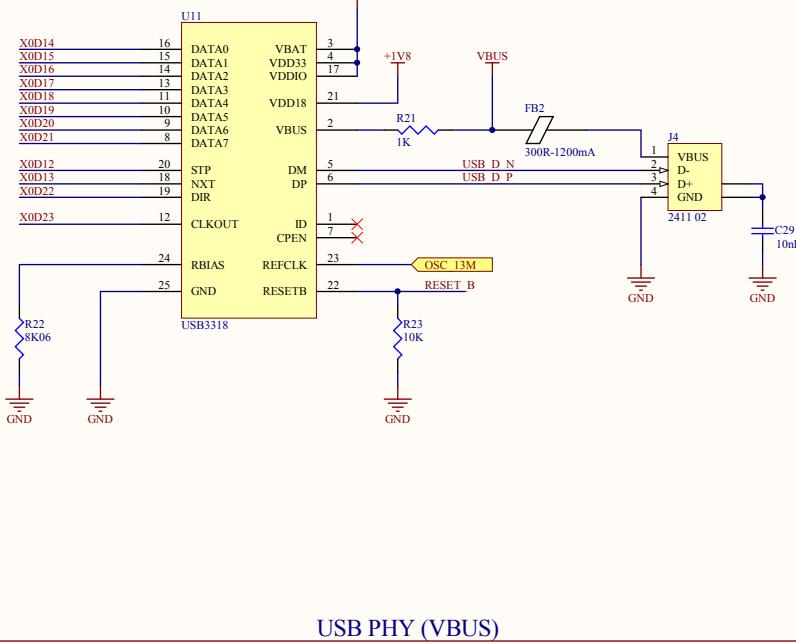
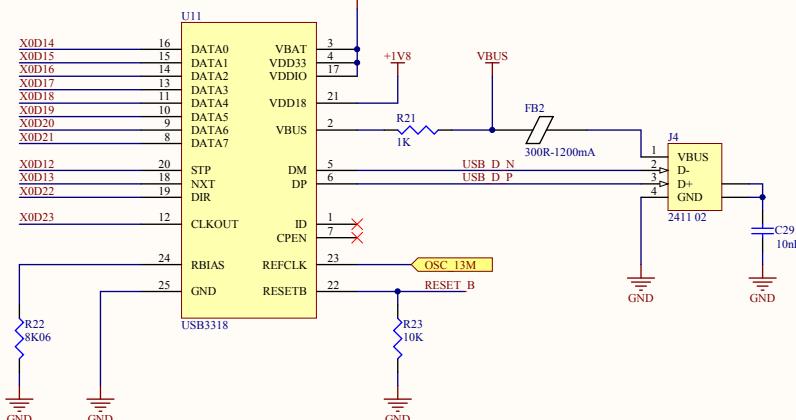


Title: XSI SYSTEM	Author: S.Choquette
Sheet: 2 of 9	Team members:
Date: 2011-11-28	M.Bandou, A.Béland, G.Cayer, S.Choquette, F.Gosselin, F.Robitaille, D.Telly.Kizito
Rev.: 2.0	
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Info: <a href="http://sourceforge.net/projects/eightsoundsusb/">http://sourceforge.net/projects/eightsoundsusb/</a>	Design inspired by XMOS USB Audio 2.0 Multichannel Ref.

A

**IO - XCORE0**

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,

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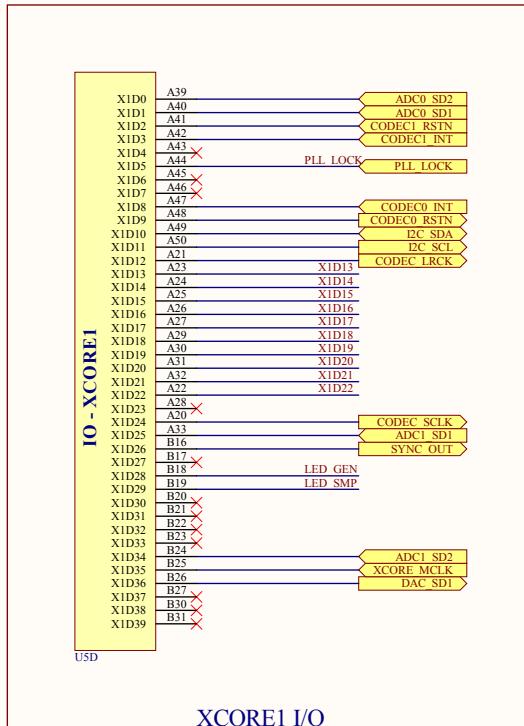
F.Robitaille, D.Telly.Kizito

Info: <http://sourceforge.net/projects/eightsoundsusb/>

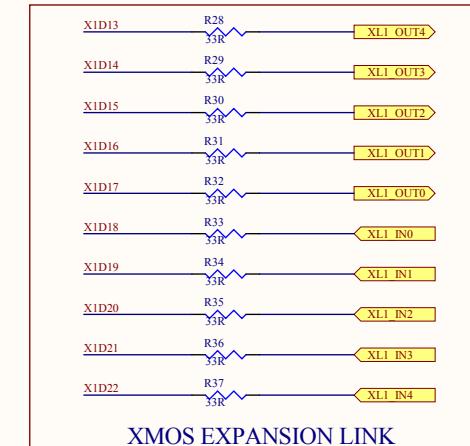
Design inspired by XMOS USB Audio 2.0 Multichannel Ref.

A

A



The diagram illustrates a circuit configuration for generating and sampling three types of LEDs. Each path is powered by a 3V3 supply rail and includes a diode (D3, D4, or D5) connected to ground. A 1k resistor (R38, R39, or R40) is placed in series with each diode. The first two paths are labeled LED\_GEN and LED\_SMP, while the third path is labeled PLL\_LOCK.



XMOS EXPANSION LINK

B

B

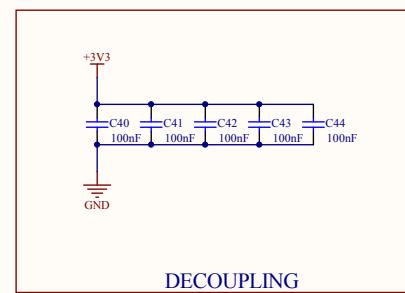
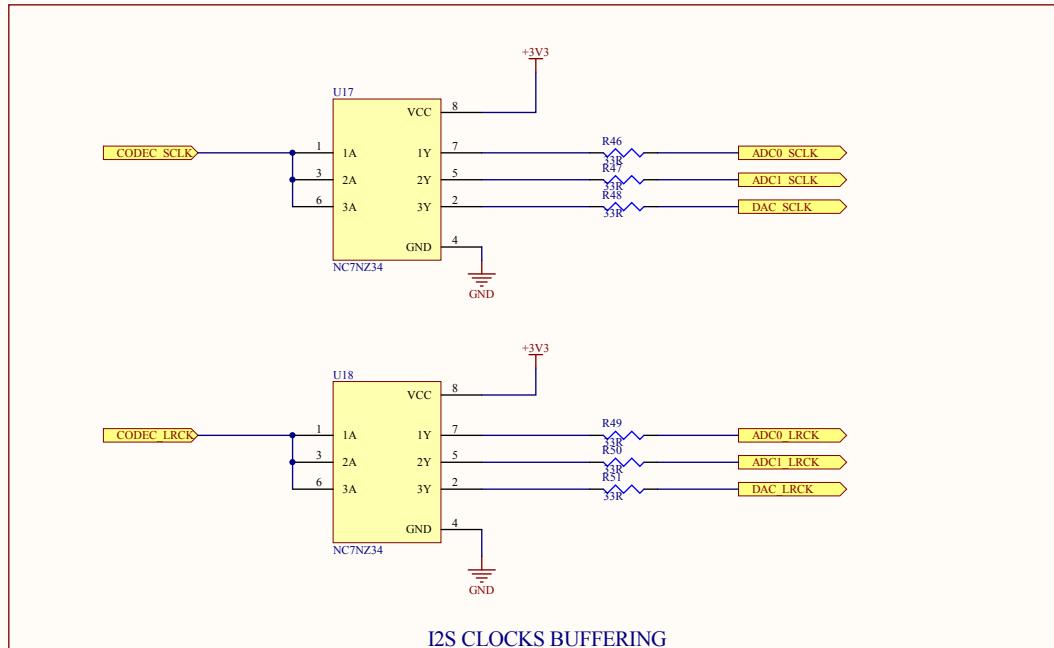
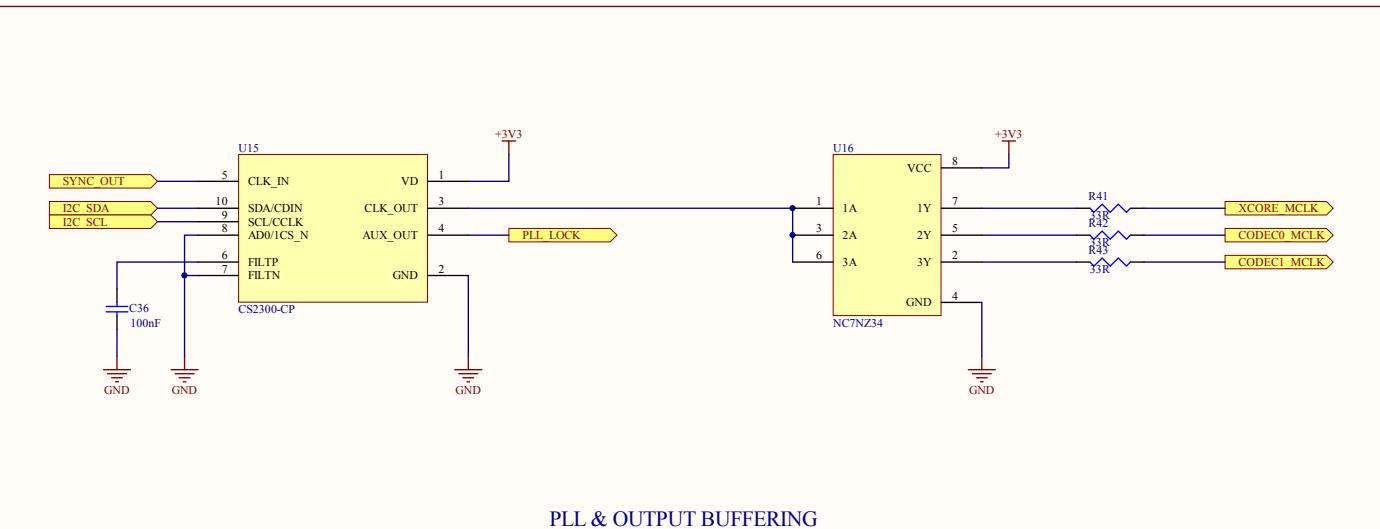
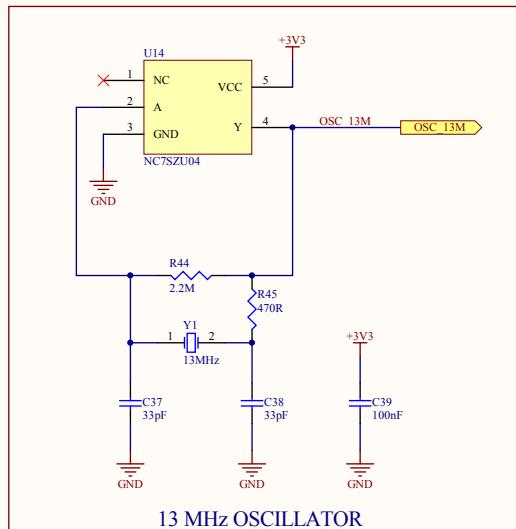
C

6

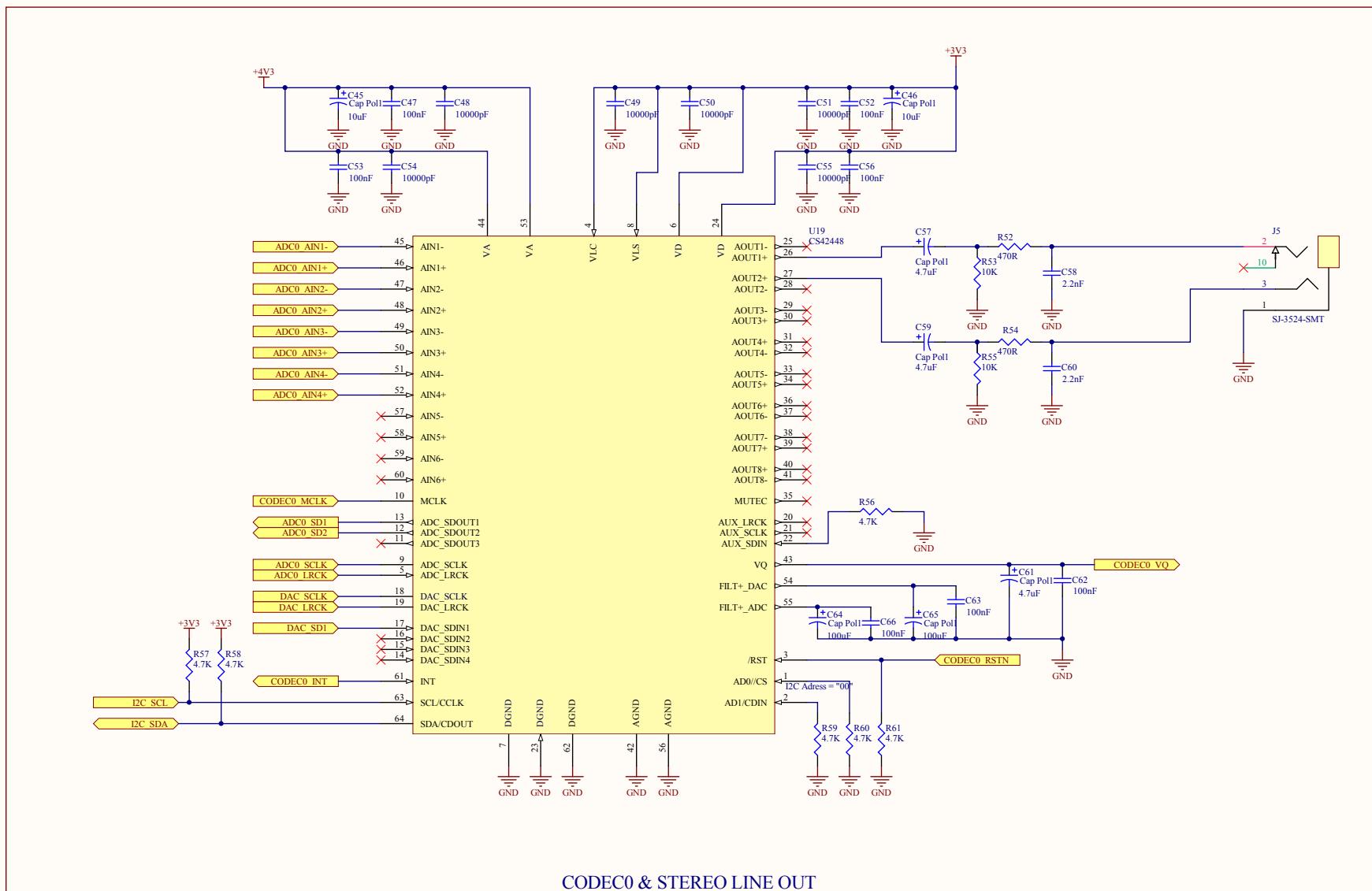
D

D

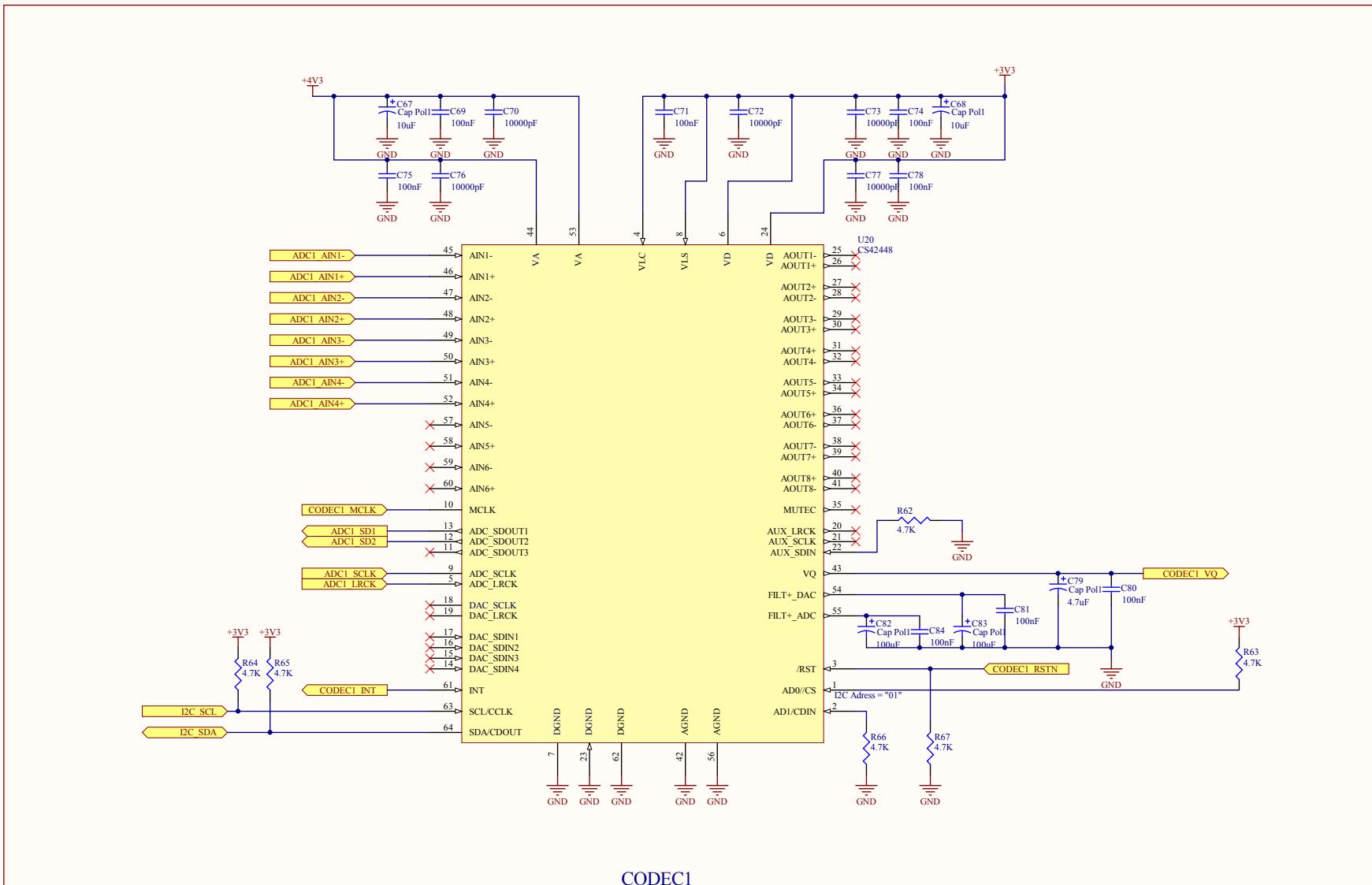
Title:	XSI XCORE1	Author:	S.Choquette
Sheet:	4 of 9	Team members:	
Date:	2011-11-28	M.Bandou, A.Béland, G.Cayer, S.Choquette, F.Gosselin, F.Robitaille, D.Telly, Kizito	
Rev.:	2.0	8SoundsUSB 	
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Info: <a href="http://sourceforge.net/projects/8soundusb/">http://sourceforge.net/projects/8soundusb/</a>		Designed inspired by XMOS USB Audio 2.0. Multichannel Ref.	



Title: CLOCKING	Author: S.Choquette
Sheet: 5 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	
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Info: <a href="http://sourceforge.net/projects/eightsoundsusb/">http://sourceforge.net/projects/eightsoundsusb/</a>	Design inspired by XMOS USB Audio 2.0 Multichannel Ref.

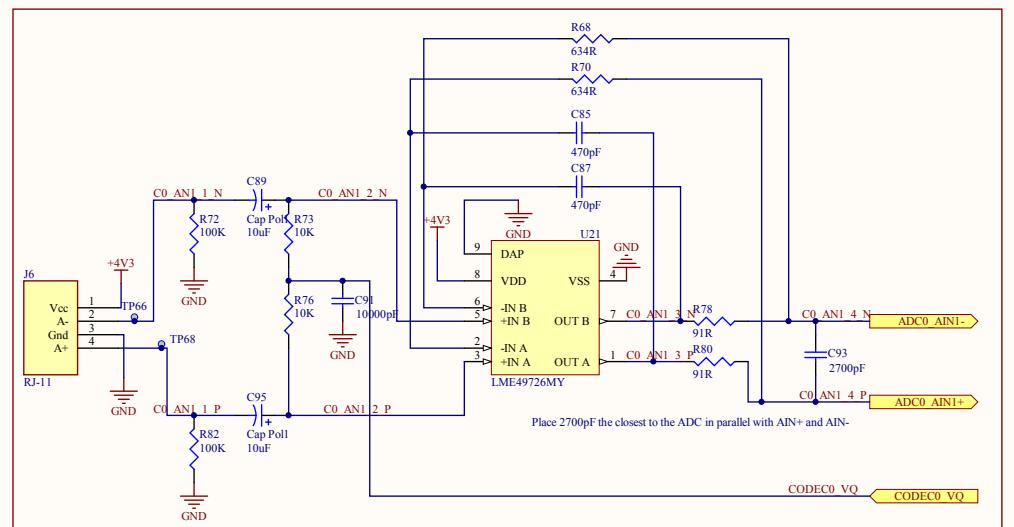


Title: CODECO 0	Author: S.Choquette
Sheet: 6 of 9	Team members:
Date: 2011-11-28	M.Bandou, A.Béland, G.Cayer, S.Choquette, F.Gosselin, F.Robitaille, D.Telly.Kizito
Rev.: 2.0	
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Info: <a href="http://sourceforge.net/projects/eightsoundsusb/">http://sourceforge.net/projects/eightsoundsusb/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

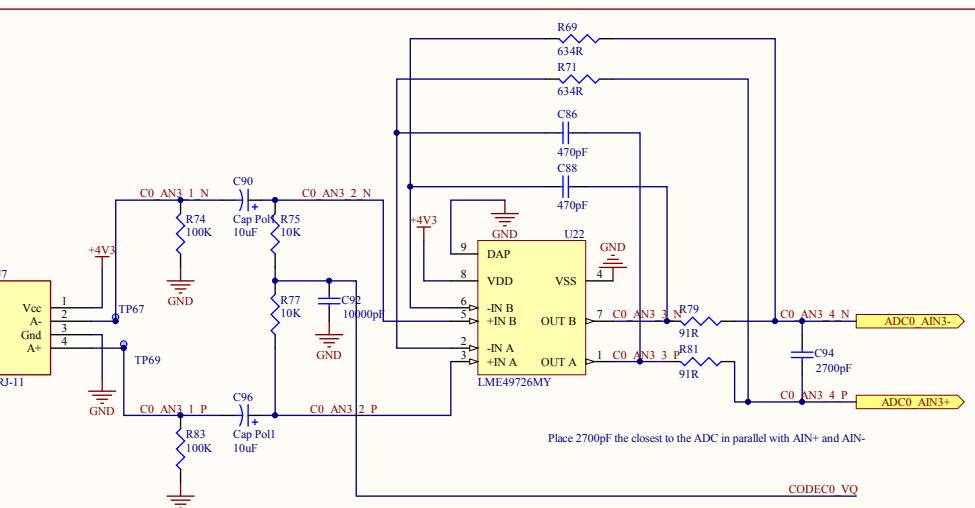


## CODEC1

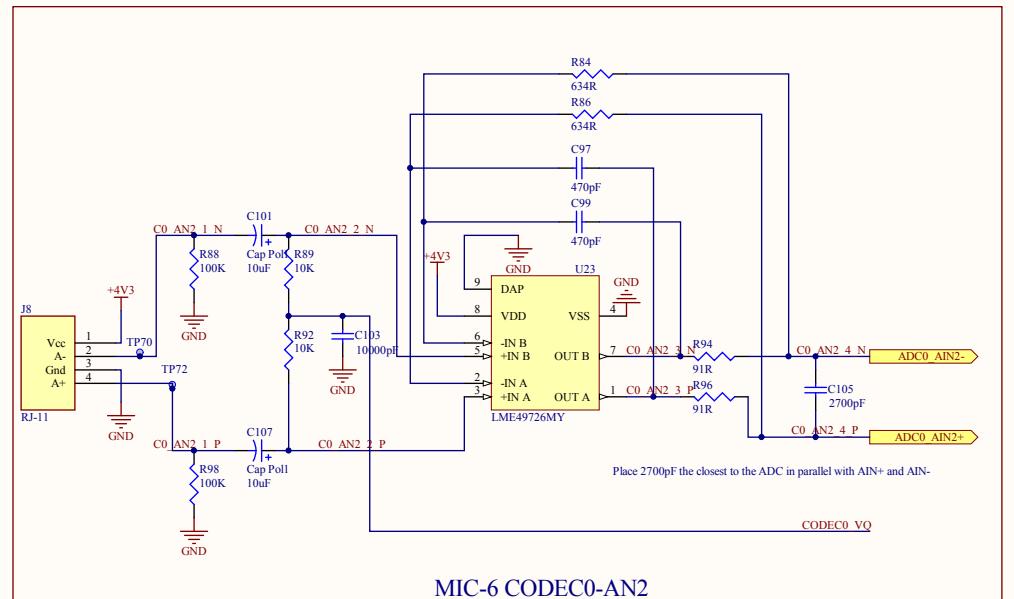
Title: CODEC 1	Author: S.Choquette
Sheet: 7 of 9	<b>Team members:</b>
Date: 2011-11-28	M.Bandou, A.Béland, G.Cayer, S.Choquette, F.Gosselin, F.Robitaillle, D.Telly.Kizito
Rev.: 2.0	
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Info : <a href="https://sourceforge.net/projects/eightsoundsusb/">https://sourceforge.net/projects/eightsoundsusb/</a>	
Design inspired by YMOS USB Audio 2.0. Muffelchen Rof	



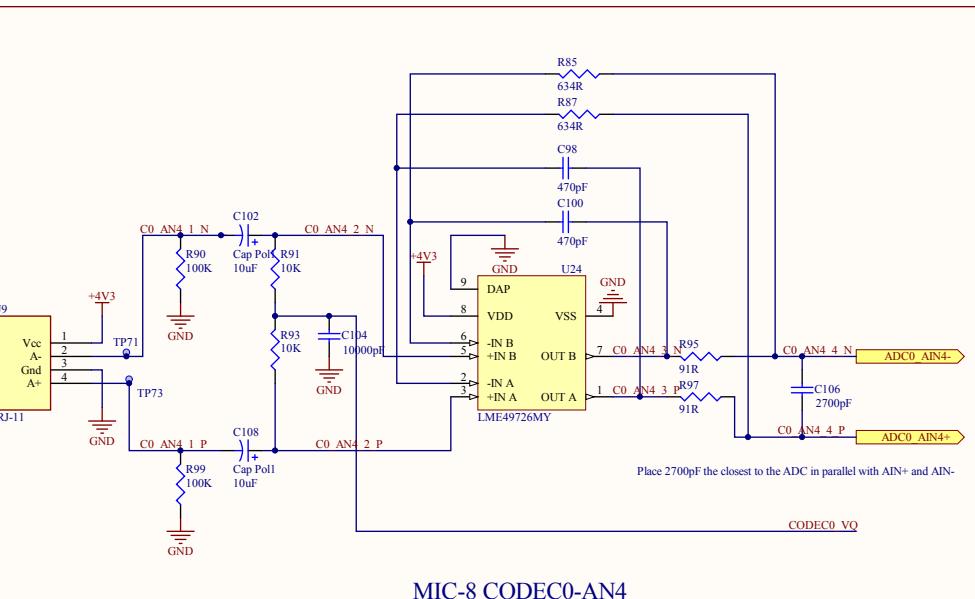
MIC-5 CODEC0-AN1



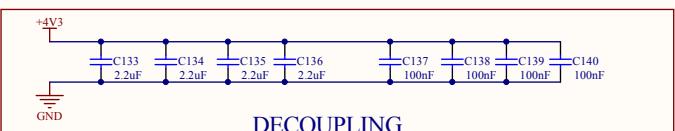
MIC-7 CODEC0-AN3



MIC-6 CODEC0-AN2



MIC-8 CODEC0-AN4



## DECOUPLING

**8SOUNDSUSB**

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.Robitaillle, D.Telly, Kizito  
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Info: <http://sourceforge.net/projects/eightsoundsusb/> Design inspired by XMOS USB Audio 2.0 Multichannel Ref.

