

A

B

C

D

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ADSP-21262 EZ-KIT Lite

Schematic

		ANALOG DEVICES		20 Cotton Road Nashua, NH 03063 PH: 1-800-ANALOGD	
Title		ADSP-21262 EZ-KIT Lite TITLE			
Size C	Board No.			A0174-2002	Rev 2.0C
Date	6-25-2007_11:20			Sheet	1 of 11

A

B

C

D

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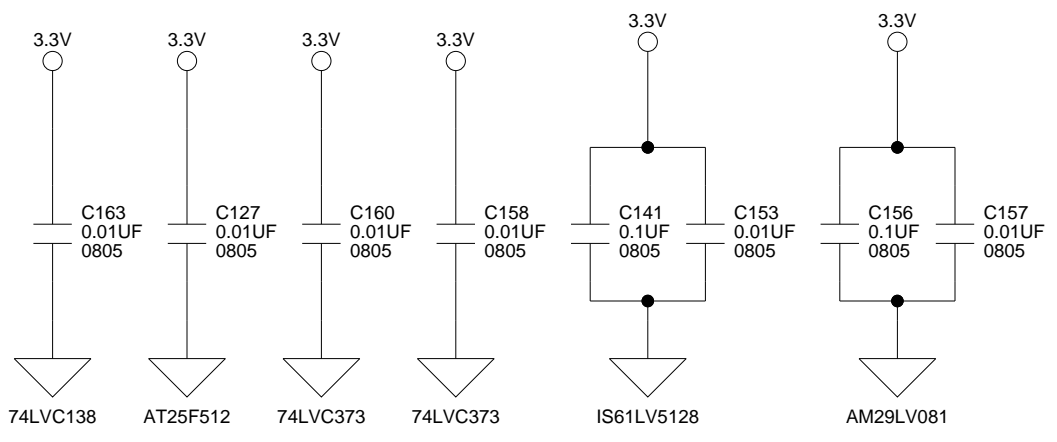
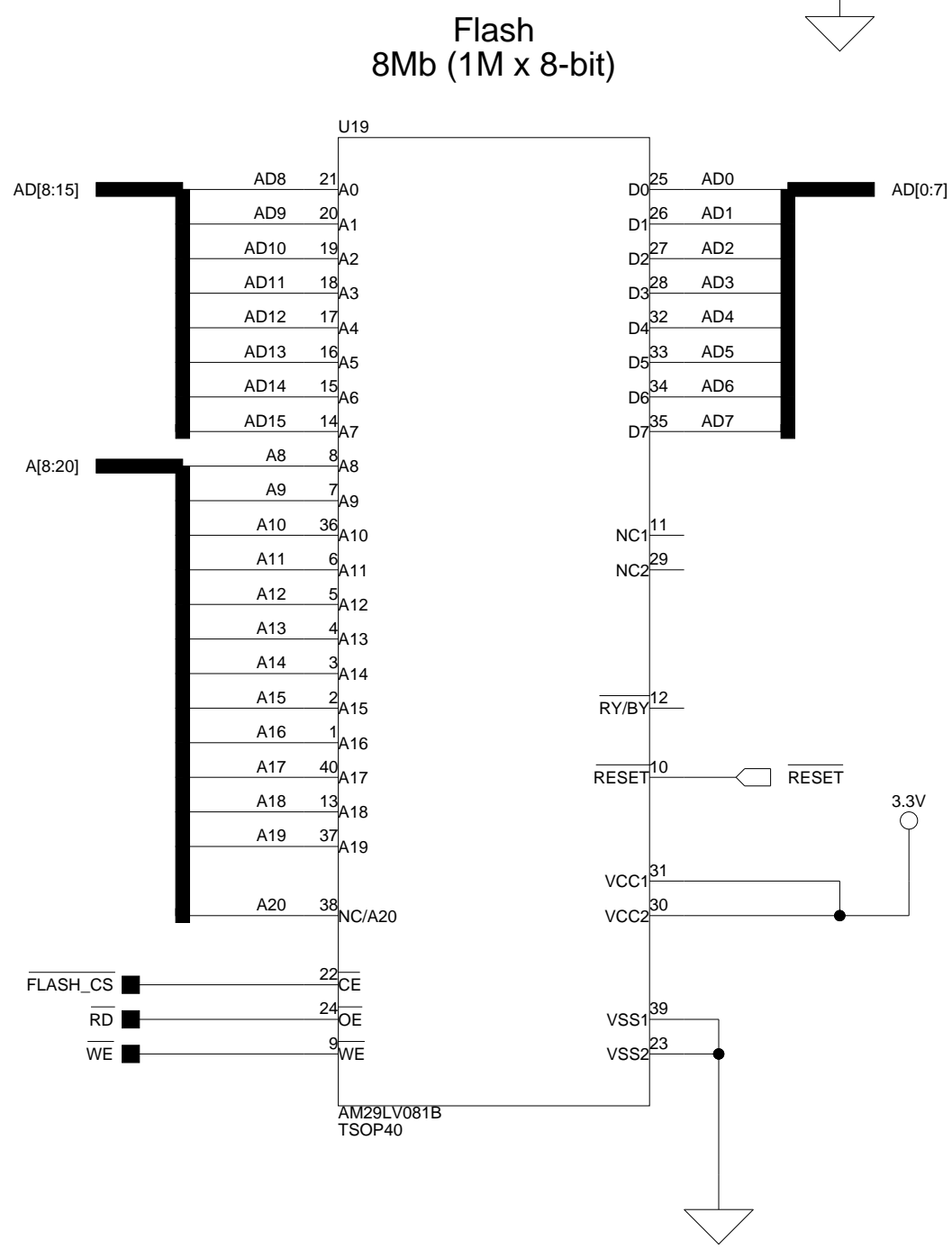
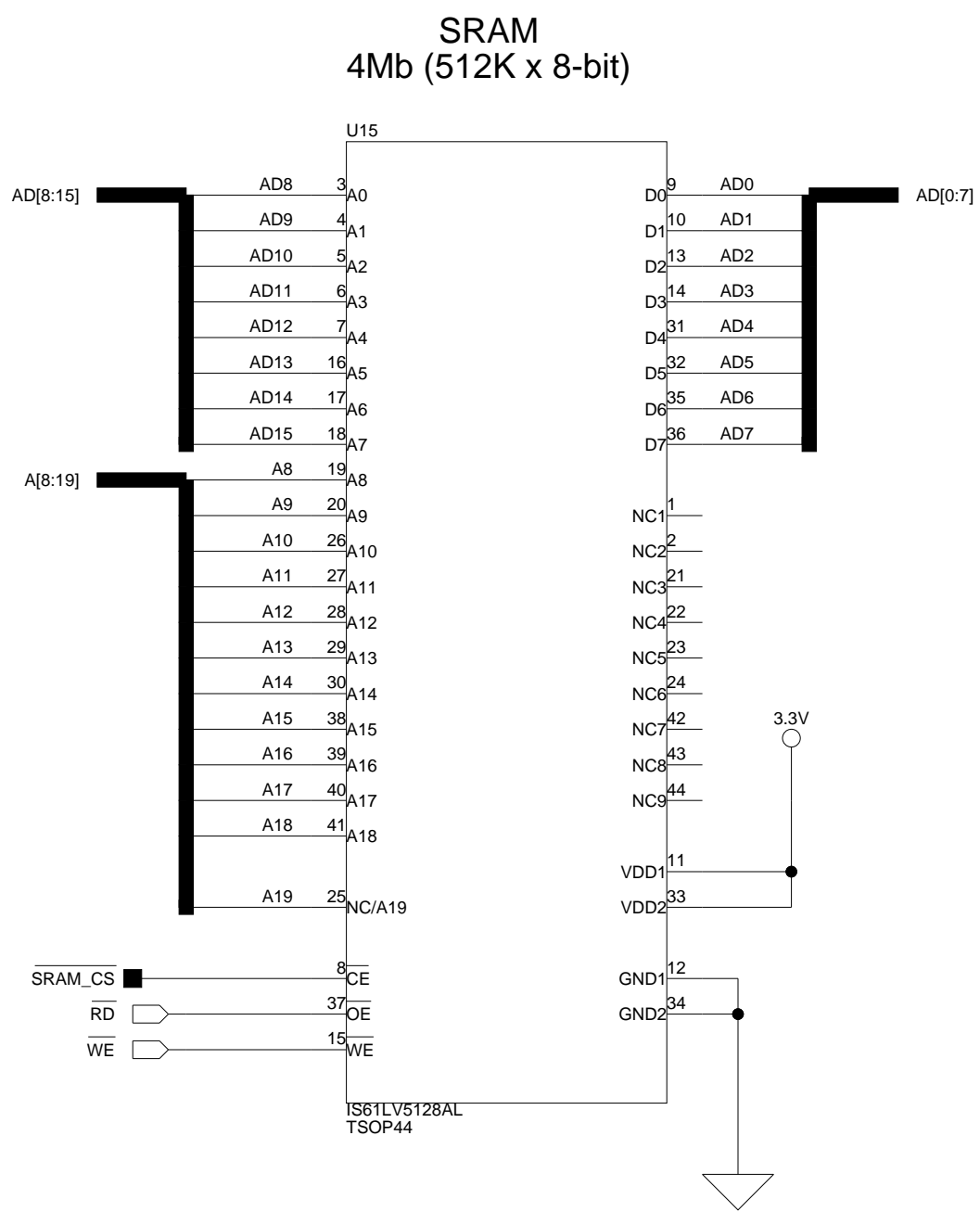
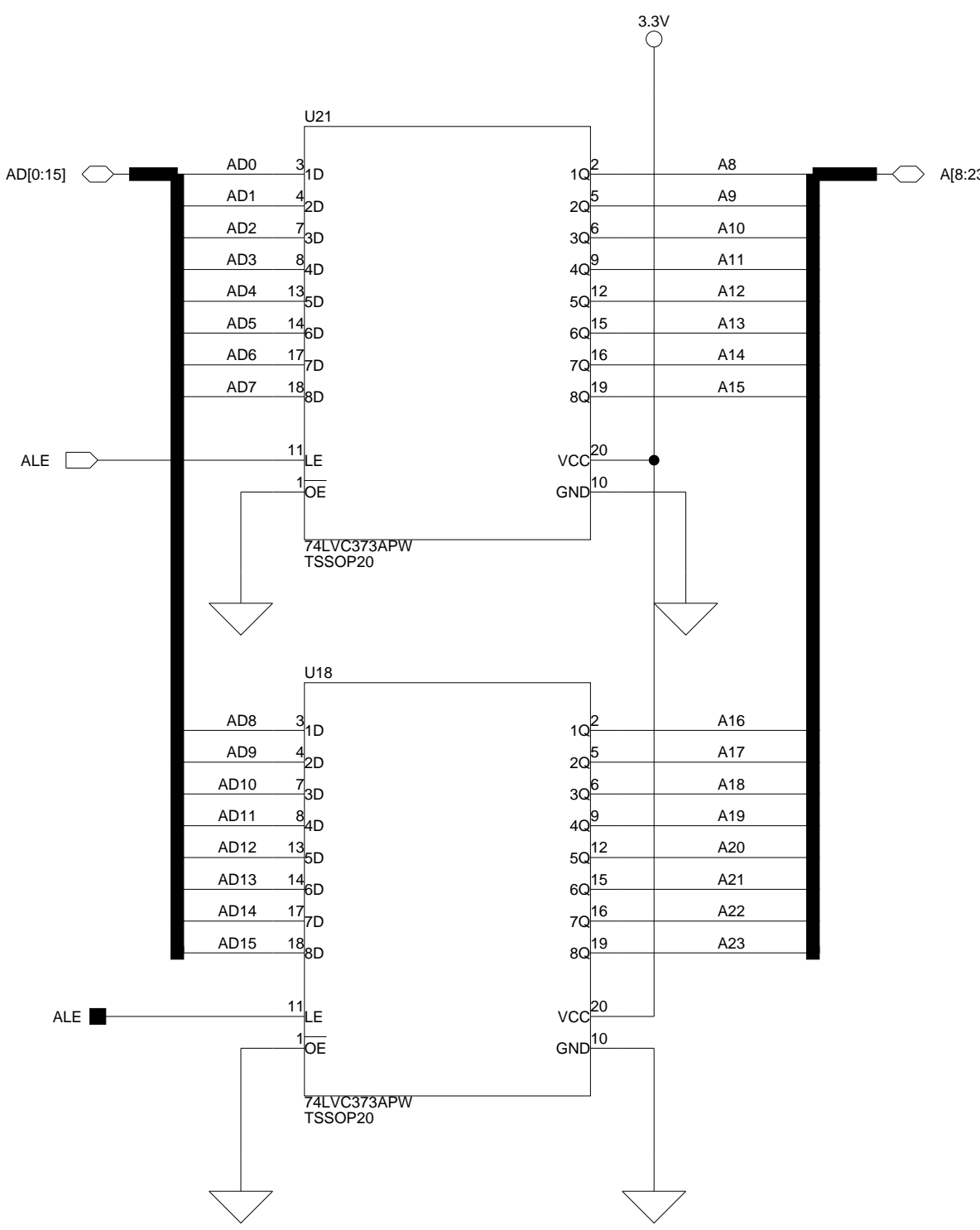
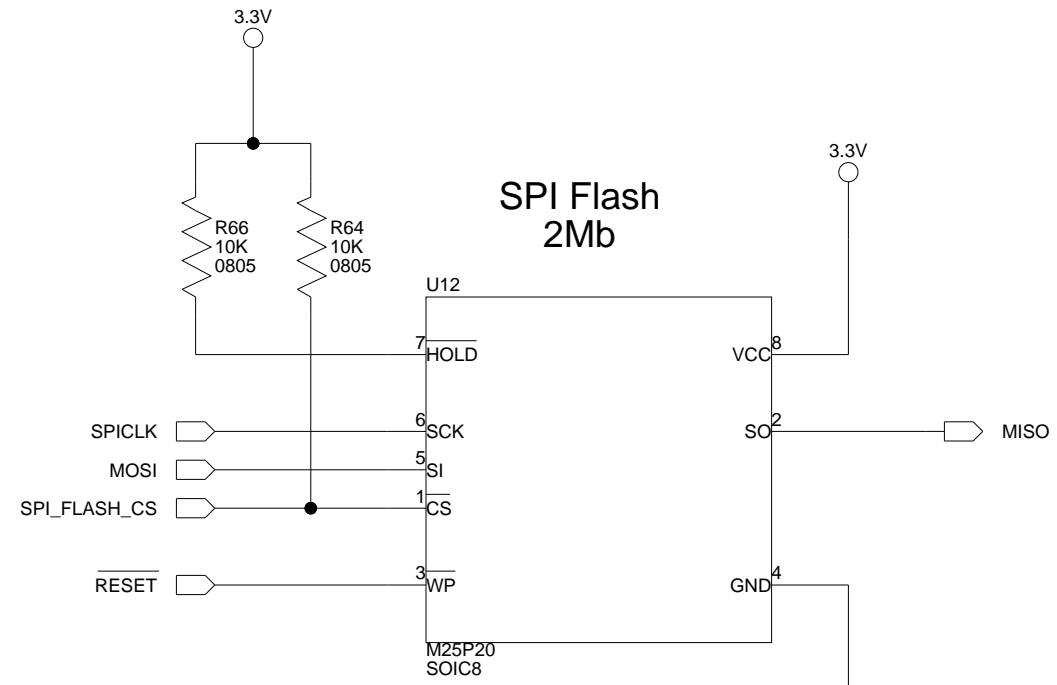
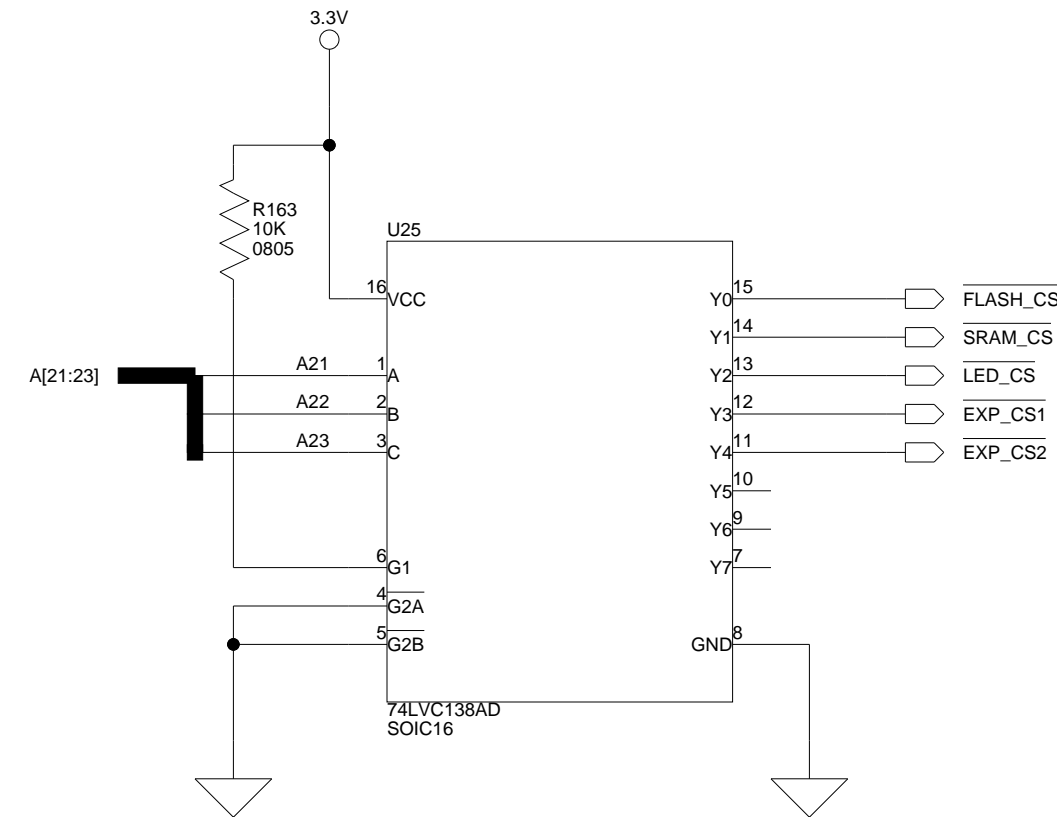
VALID DSP ADDRESS		BANK END ADDRESS	A23	A22	A21	BANK	DEVICE
1A0 0000	X	1FF FFFF	1	-	-	-	NONE
180 0000	X	19F FFFF	1	0	0	Y4	EXPANSION INTERFACE CS 2
160 0000	X	17F FFFF	0	1	1	Y3	EXPANSION INTERFACE CS 1
140 0000		15F FFFF	0	1	0	Y2	LEDs
120 0000		127 FFFF	0	0	1	Y1	SRAM
100 0000		10F FFFF	0	0	0	Y0	FLASH

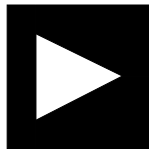
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ANALOG
DEVICES

20 Cotton Road
Nashua, NH 03063
PH: 1-800-ANALOGD

Title

ADSP-21262 EZ-KIT Lite
MEMORY

Size
C

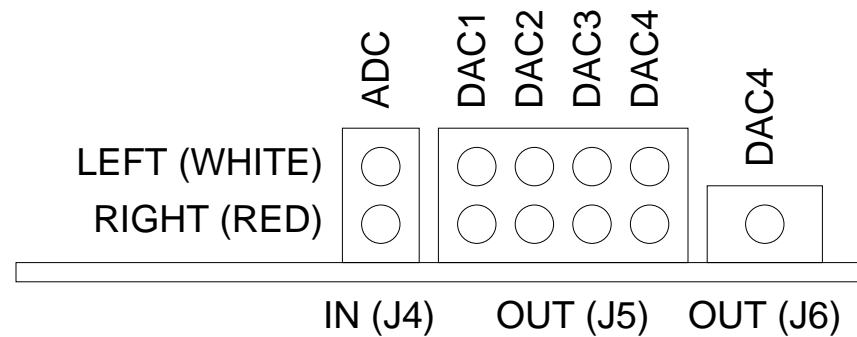
Board No.

Rev

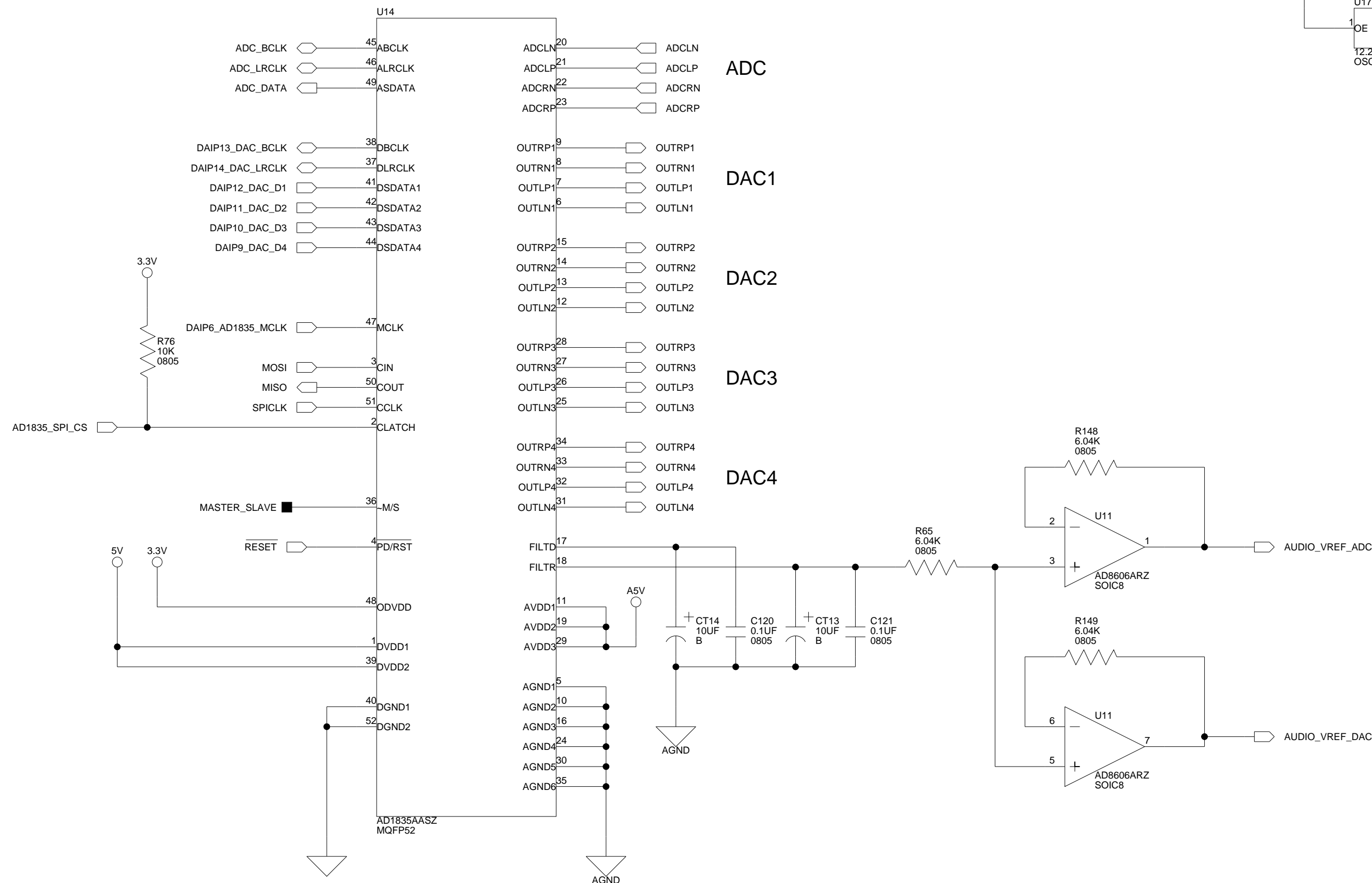
6-25-2007_11:20

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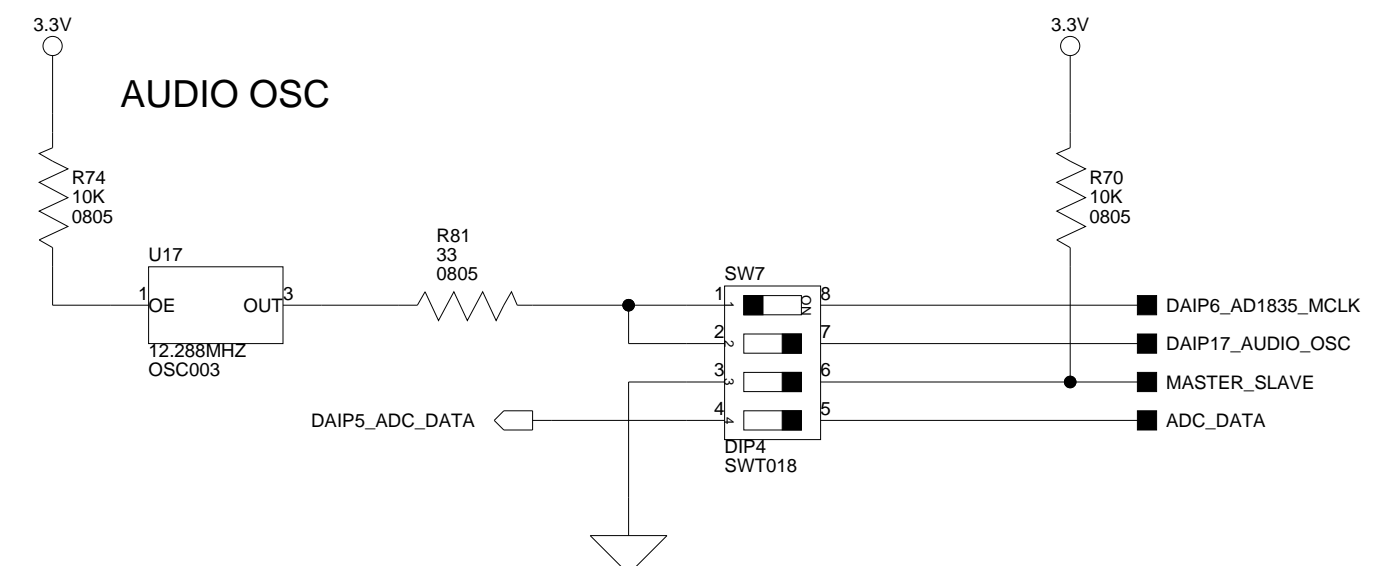
A0174-2002
2.0C



AD1835 AUDIO CODEC



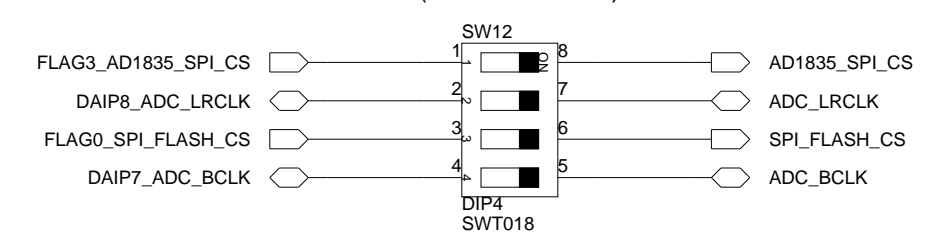
AUDIO OSC



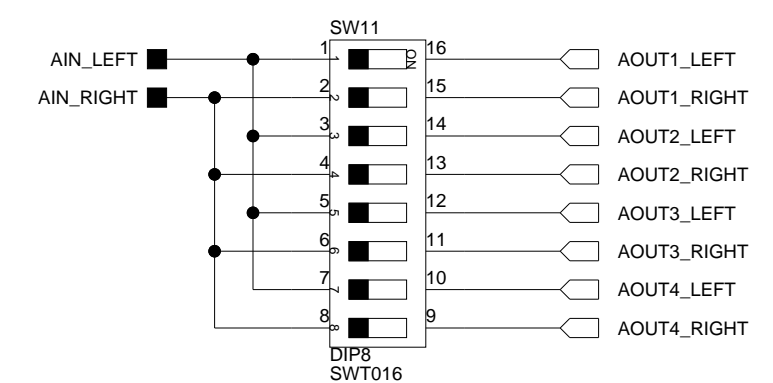
SW7: CODEC SETUP SWITCH
(Default: 1=OFF, 2=ON, 3=ON, 4=ON)

1-2	Connects or disconnects the audio oscillator depending on how the system is setup. See users manual for more information.
3	OFF = AD1835 is SLAVE ON = AD1835 is MASTER
4	Disconnects ADC_DATA signal from driving the corresponding DAI signal. Useful if using this DAI pin for another purpose.

DISCONNECTS SIGNALS FROM SPI FLASH AND AD1835 (Default= All ON)



Loopback Test Switch
(Default= All OFF)
For Test Purposes Only



**ANALOG
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Title			ADSP-21262 EZ-KIT Lite ANALOG AUDIO		
Size C	Board No.		A0174-2002		Rev 2.0C
Date	6-25-2007_11:20		Sheet	4 of	11

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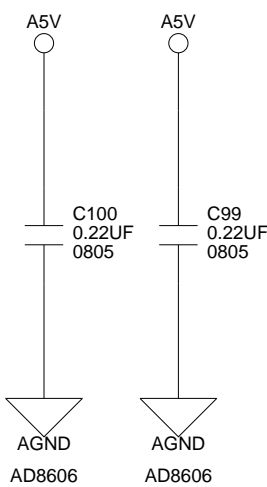
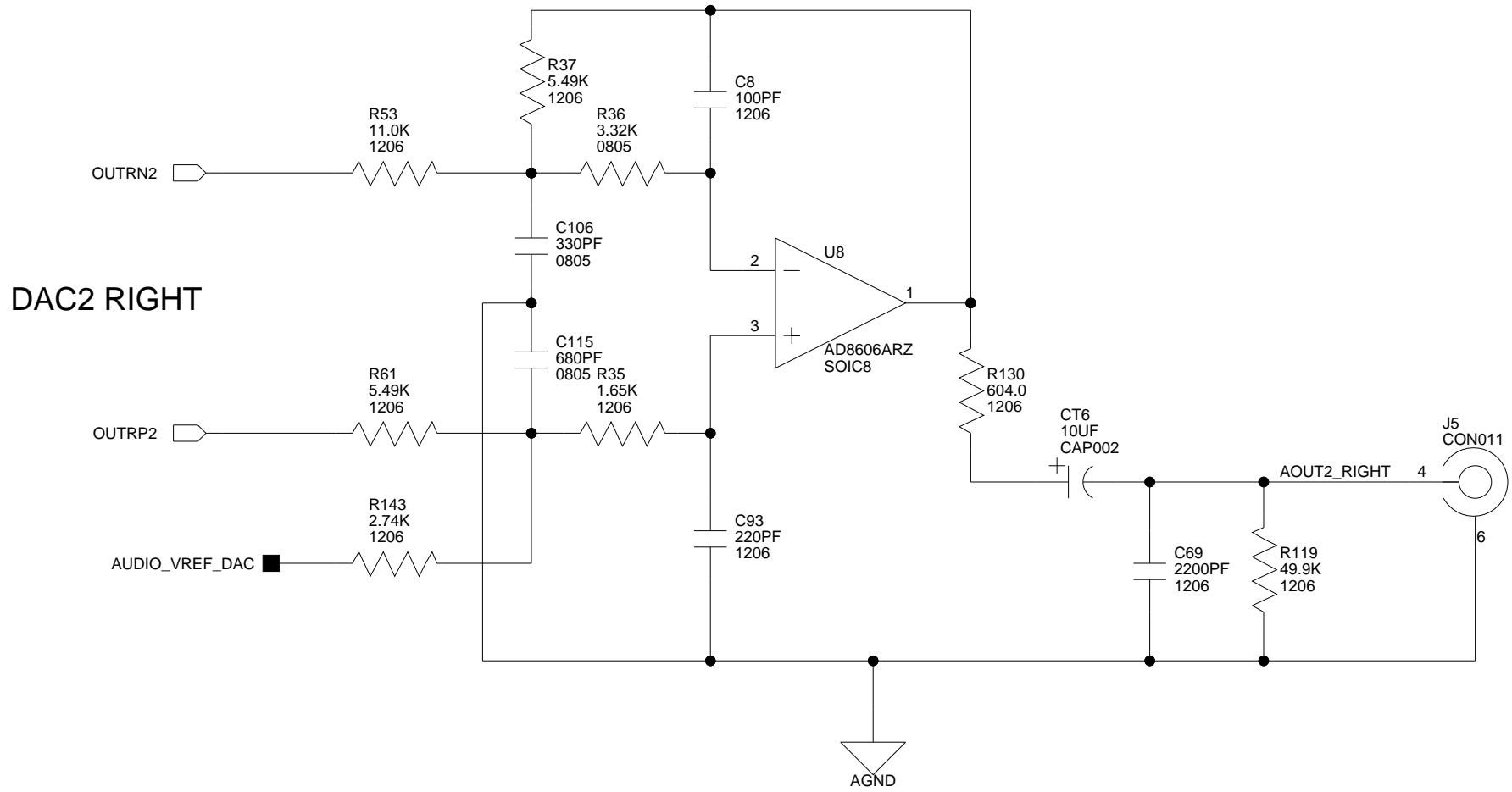
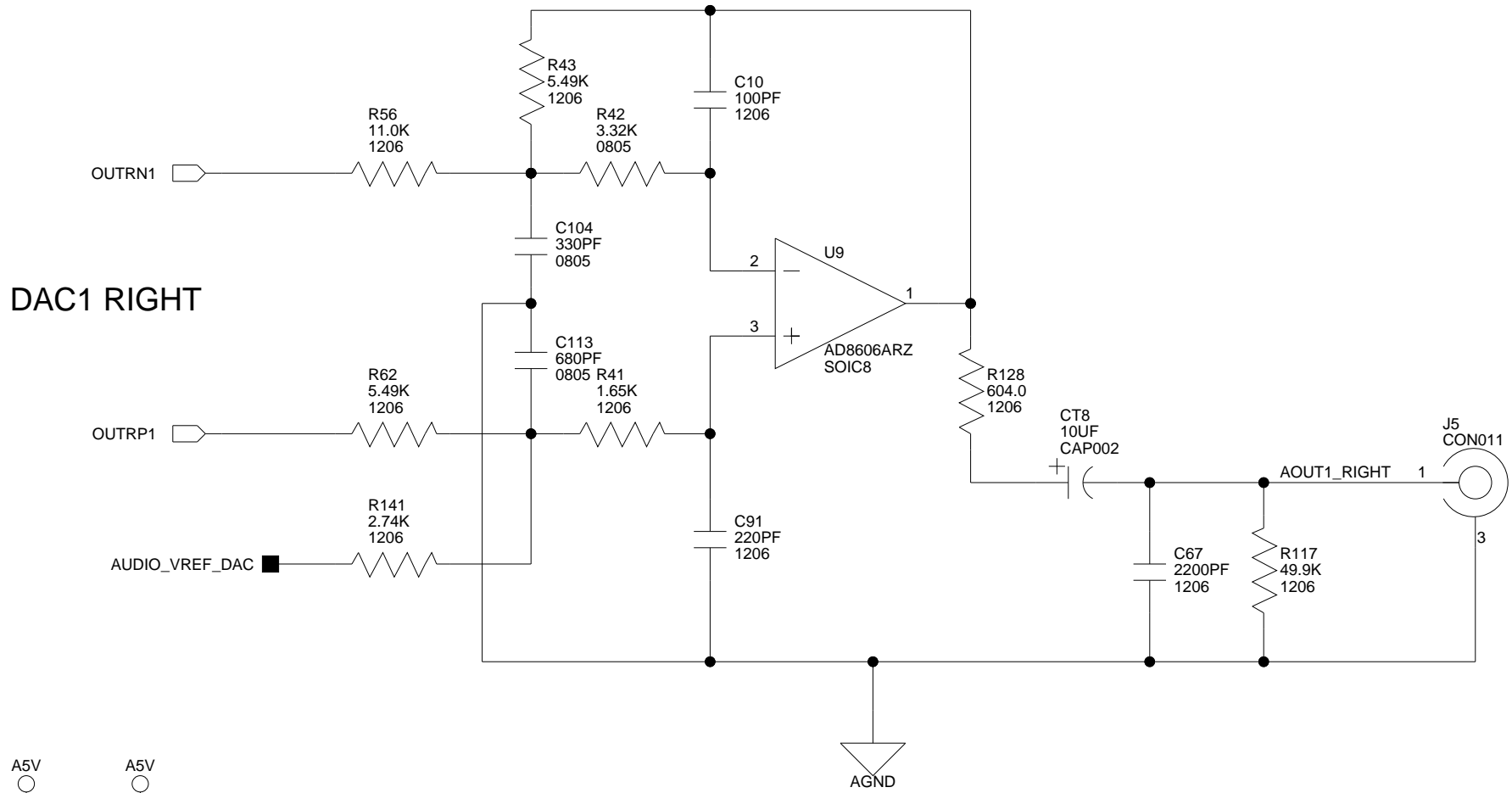
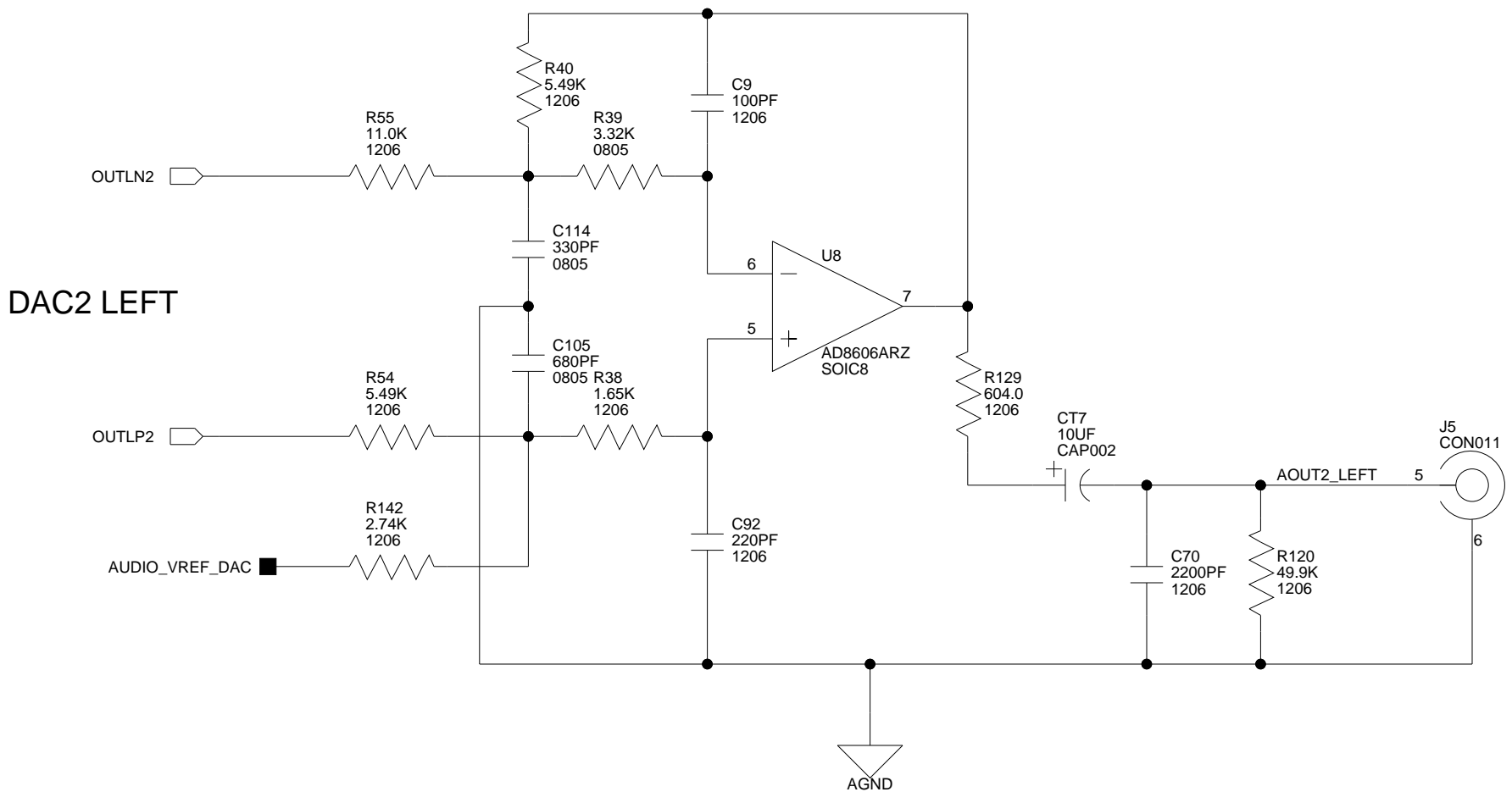
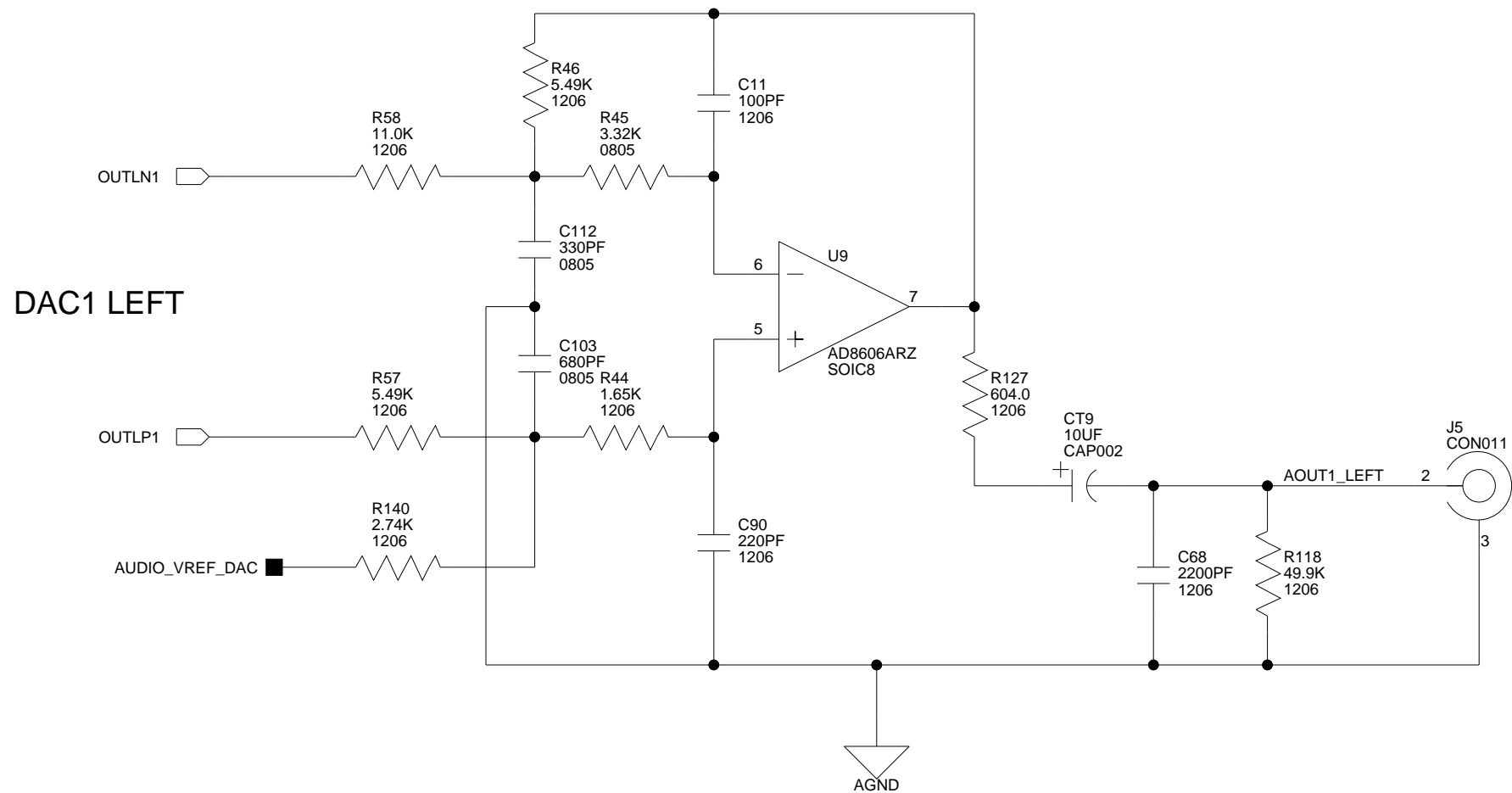
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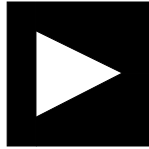
1

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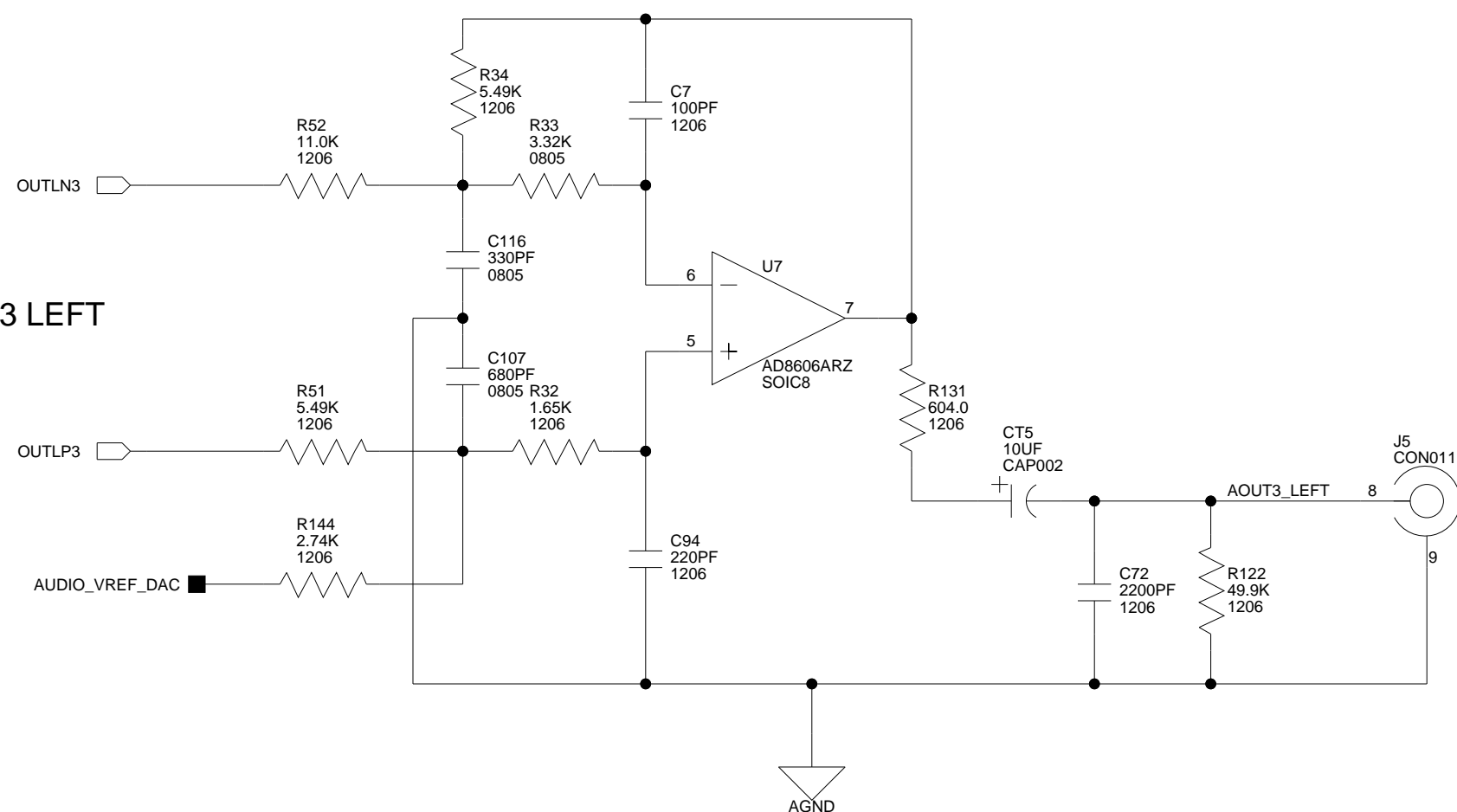
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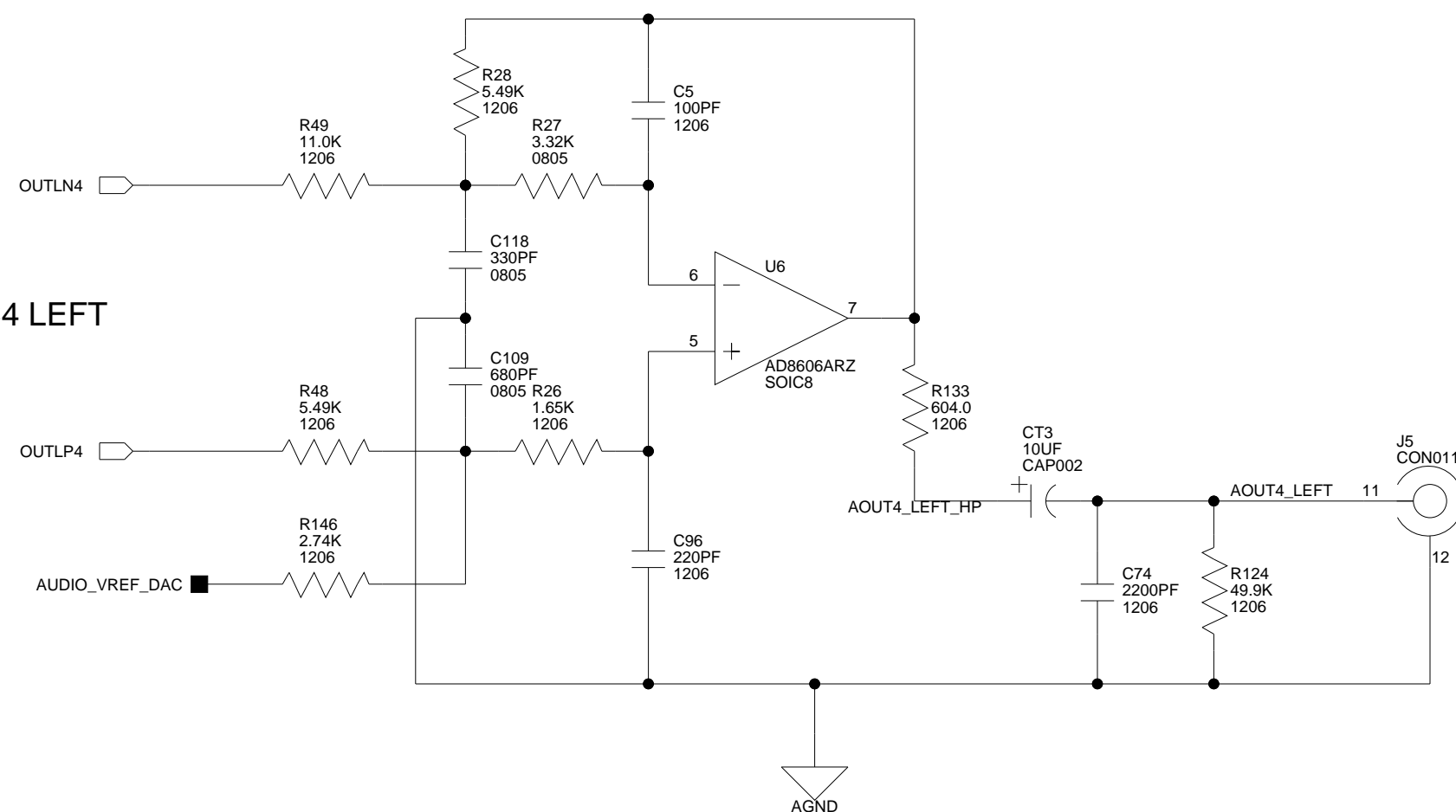


		ANALOG DEVICES		20 Cotton Road Nashua, NH 03063 PH: 1-800-ANALOGD	
Title ADSP-21262 EZ-KIT Lite AUDIO OUT 1					
Size C	Board No. A0174-2002			Rev 2.0C	
Date	6-25-2007_11:20			Sheet	5 of 11

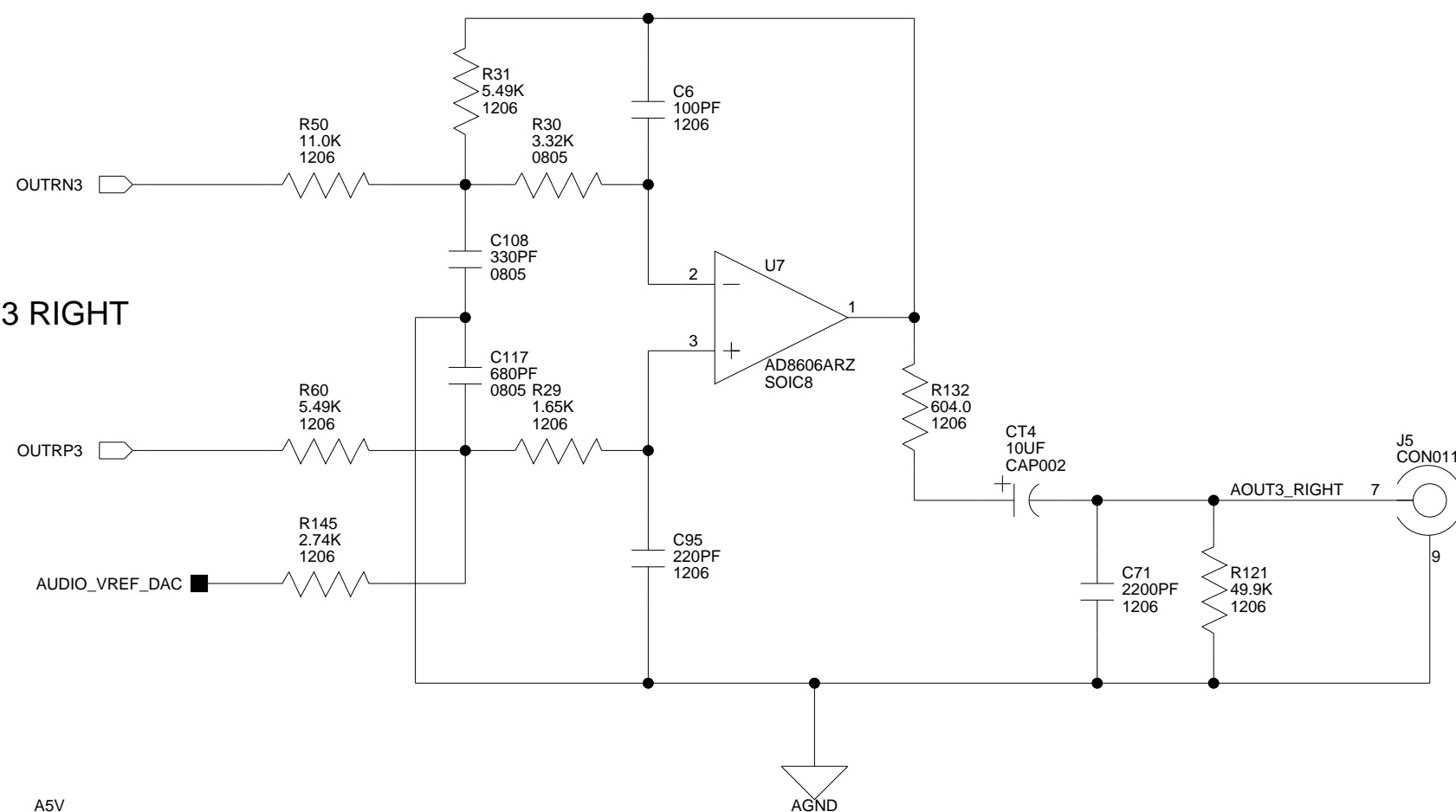
DAC3 LEFT



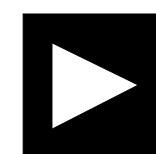
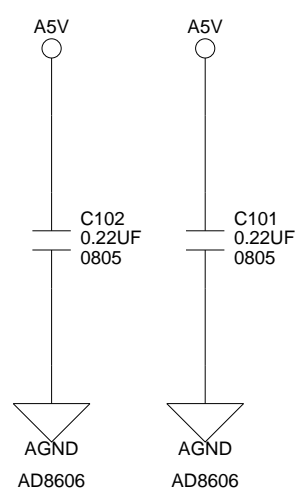
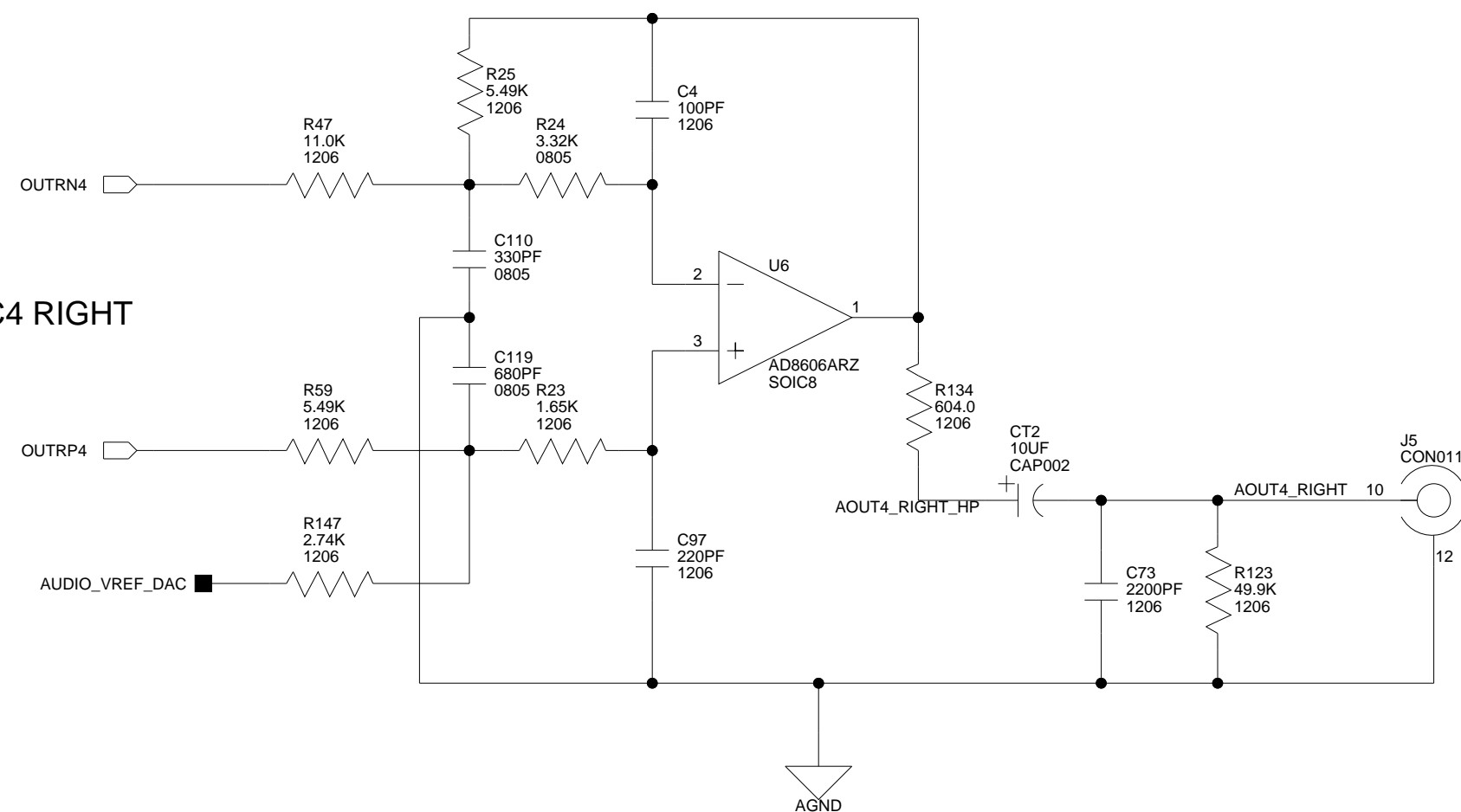
DAC4 LEFT



DAC3 RIGHT



DAC4 RIGHT

**ANALOG
DEVICES**20 Cotton Road
Nashua, NH 03063
PH: 1-800-ANALOGD**Title** ADSP-21262 EZ-KIT Lite
AUDIO OUT 2**Size** C **Board No.** A0174-2002**Rev** 2.0C**Date** 6-25-2007_11:20**Sheet** 6 **of** 11

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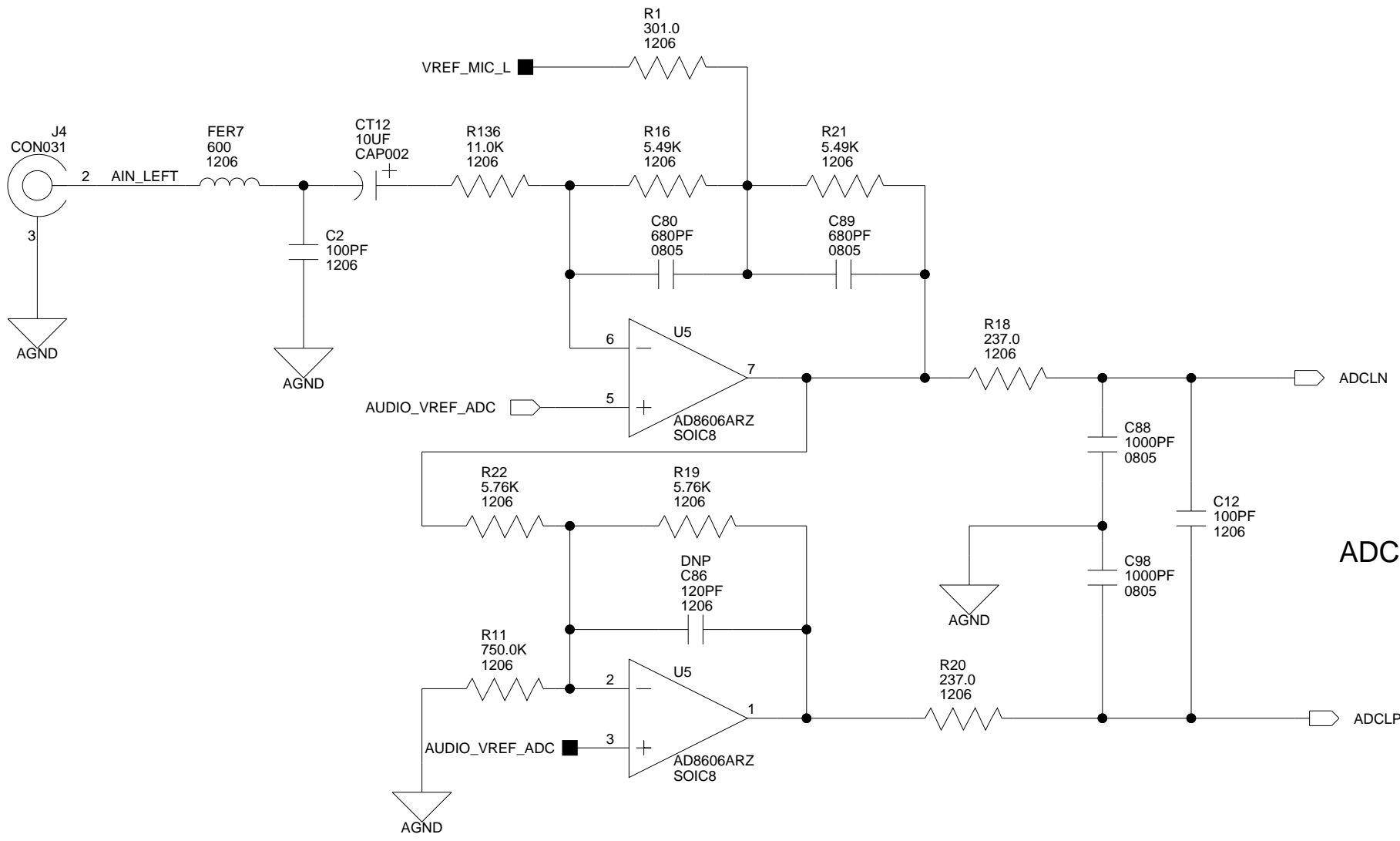
4

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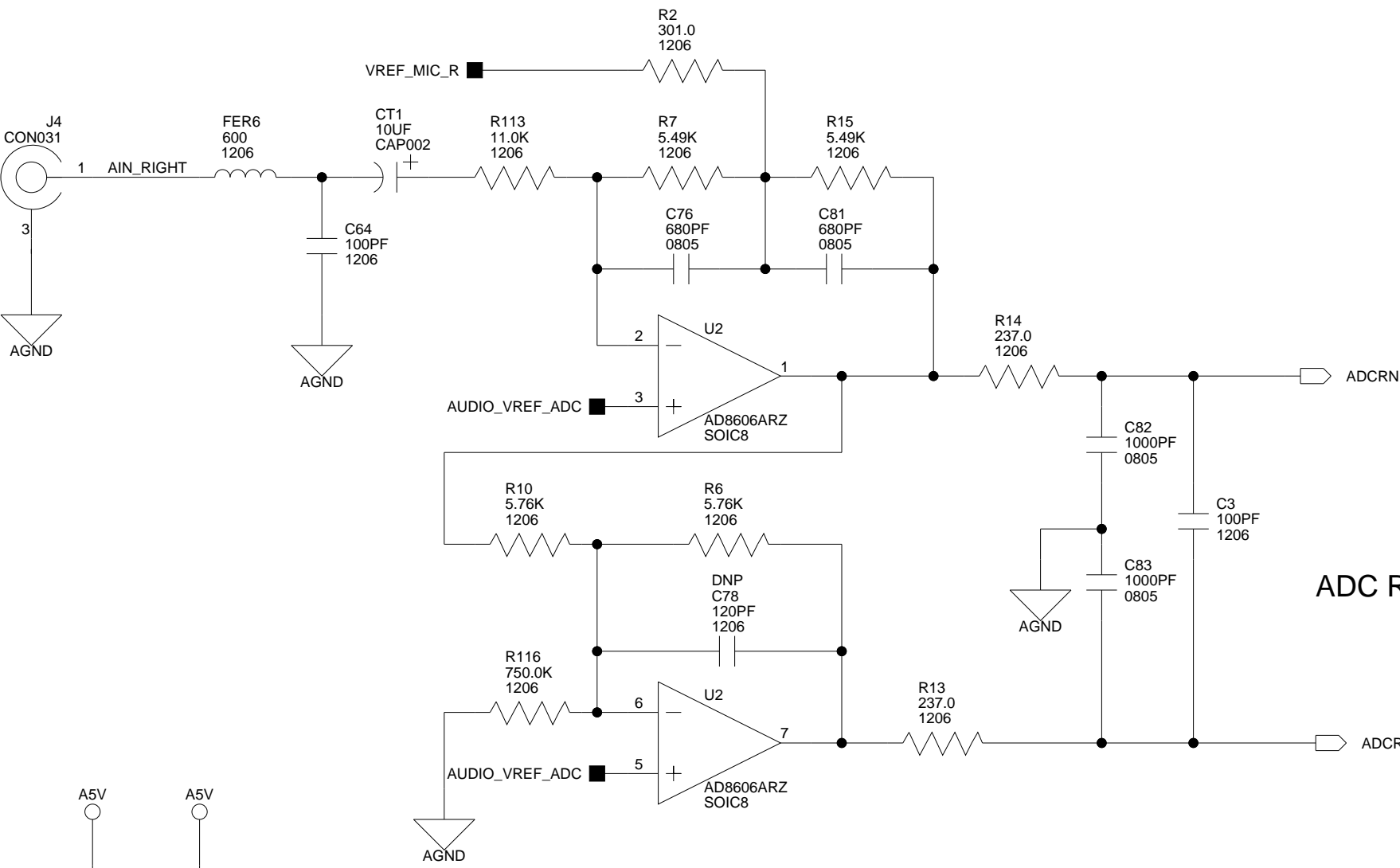
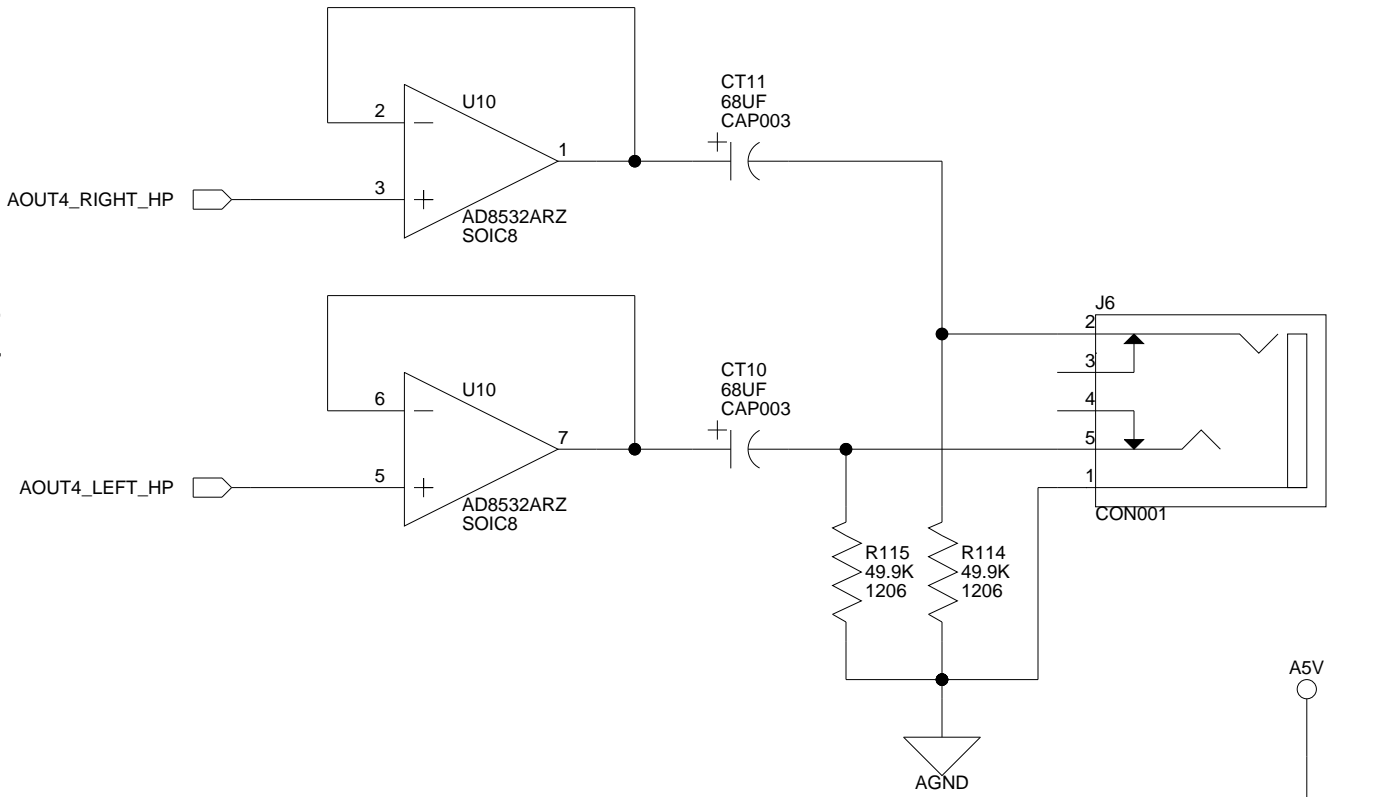
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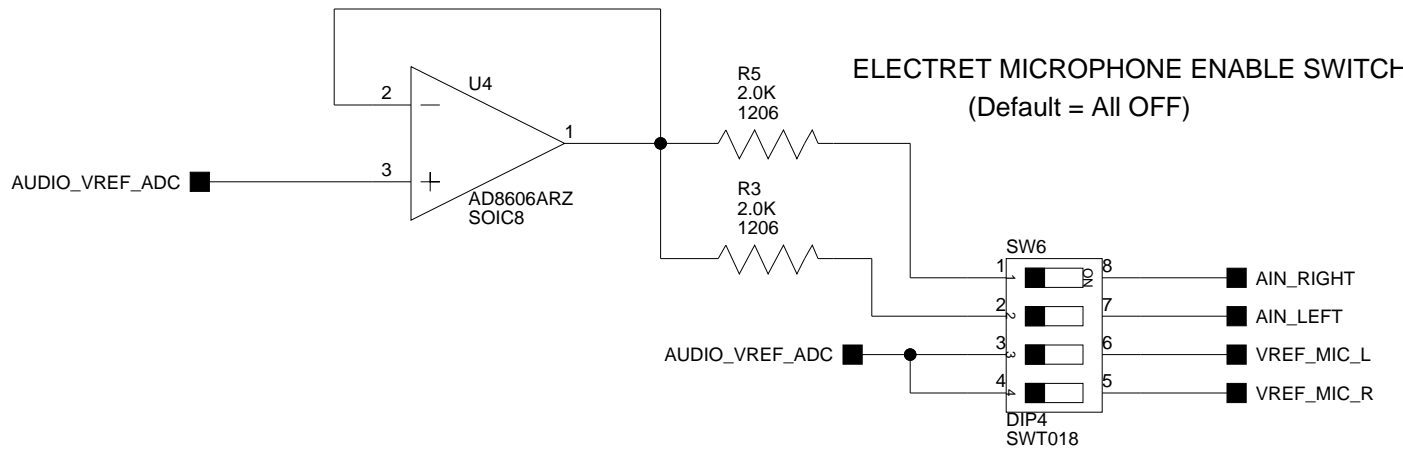


ADC LEFT

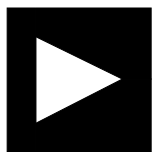
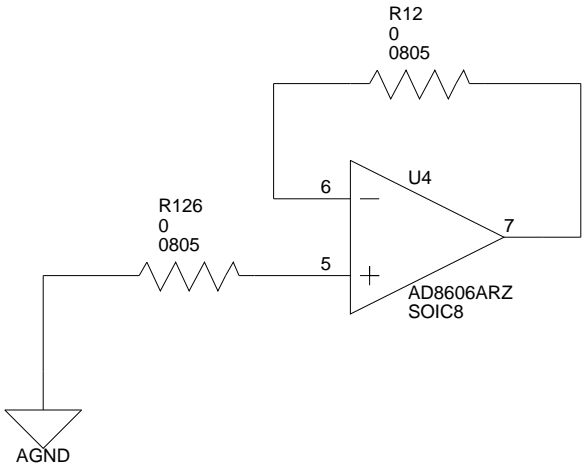
DAC4
HEADPHONE OUT



ADC RIGHT



WHEN USING AN ELECTRET MICROPHONE
PLACE ALL SWITCHES IN ON POSITION



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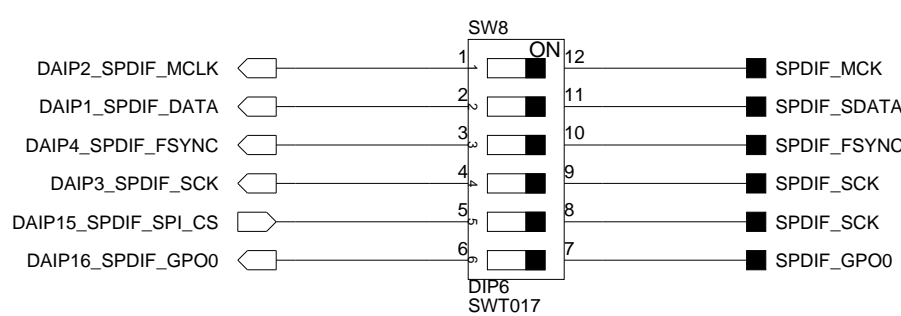
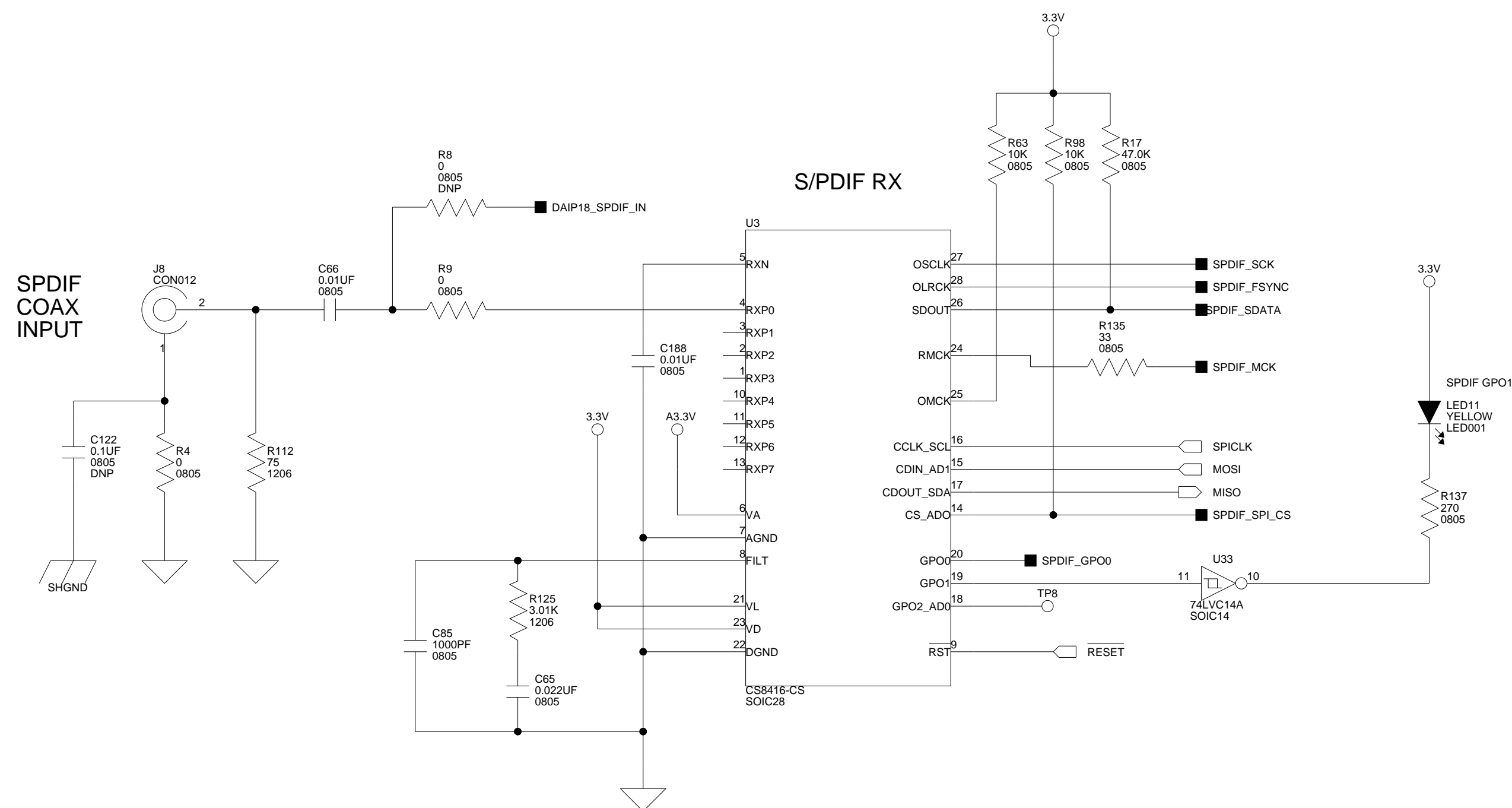
Title **ADSP-21262 EZ-KIT Lite
AUDIO IN/HEADPHONE OUT**

Size **C** Board No. **A0174-2002**

Date 6-25-2007_11:20

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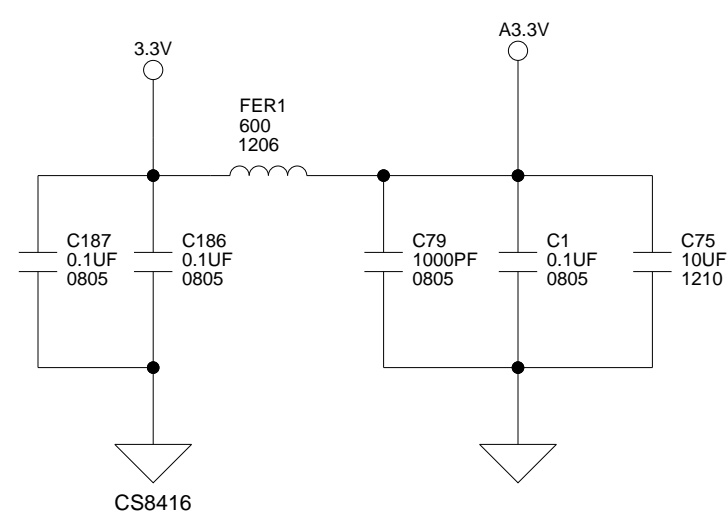
Rev **2.0C**



SW8: SPDIF SIGNAL DISABLE
(Default: ALL = ON)

1-6

Used to disconnect signals of the SPDIF interface from the corresponding DAI signals. Useful if using DAI signals for another purpose.

ANALOG
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Title	ADSP-21262 EZ-KIT Lite S/PDIF RX
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Size
C

Board No.

A0174-2002

Rev
2.0C

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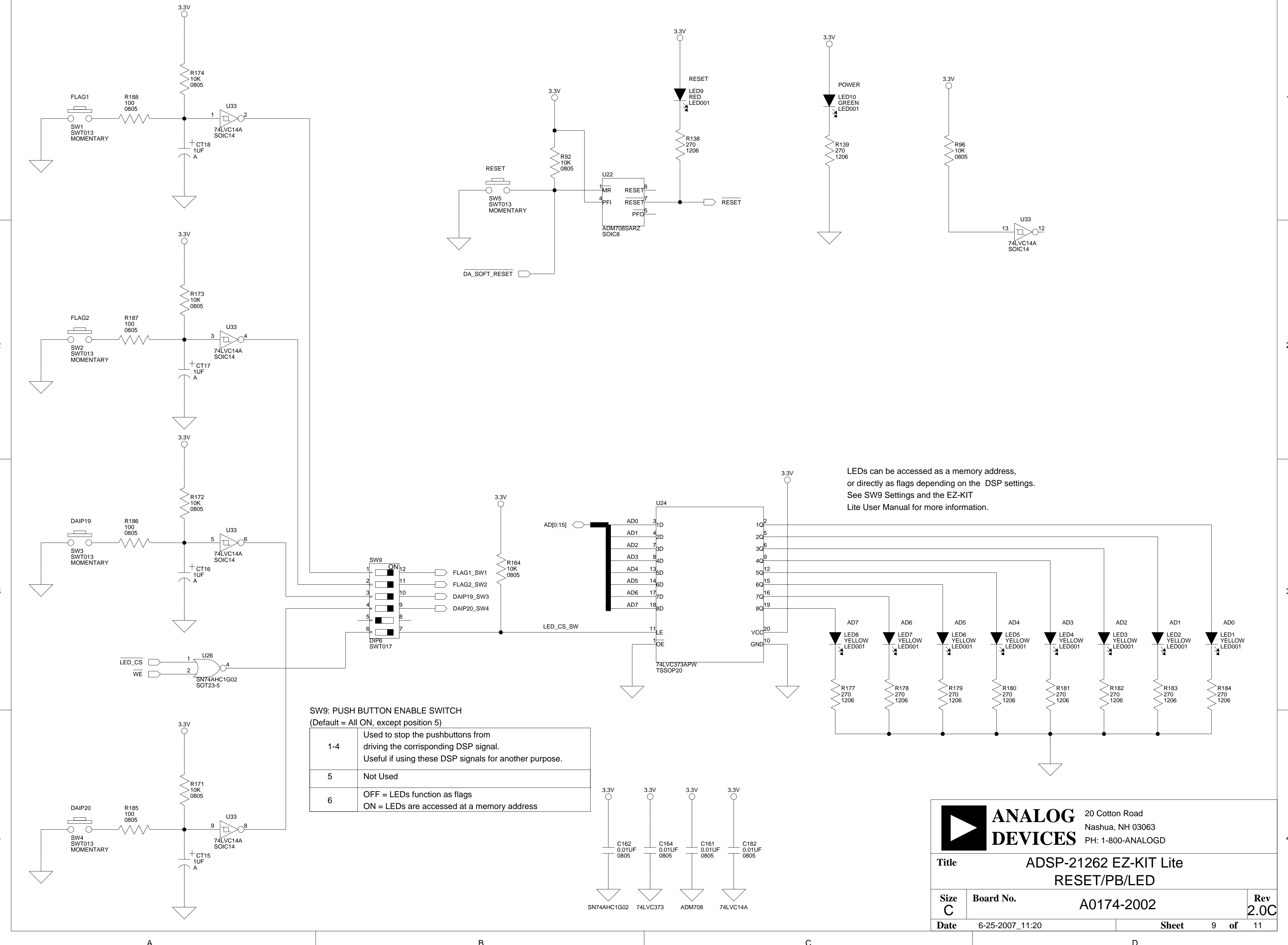
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**ANALOG
DEVICES**

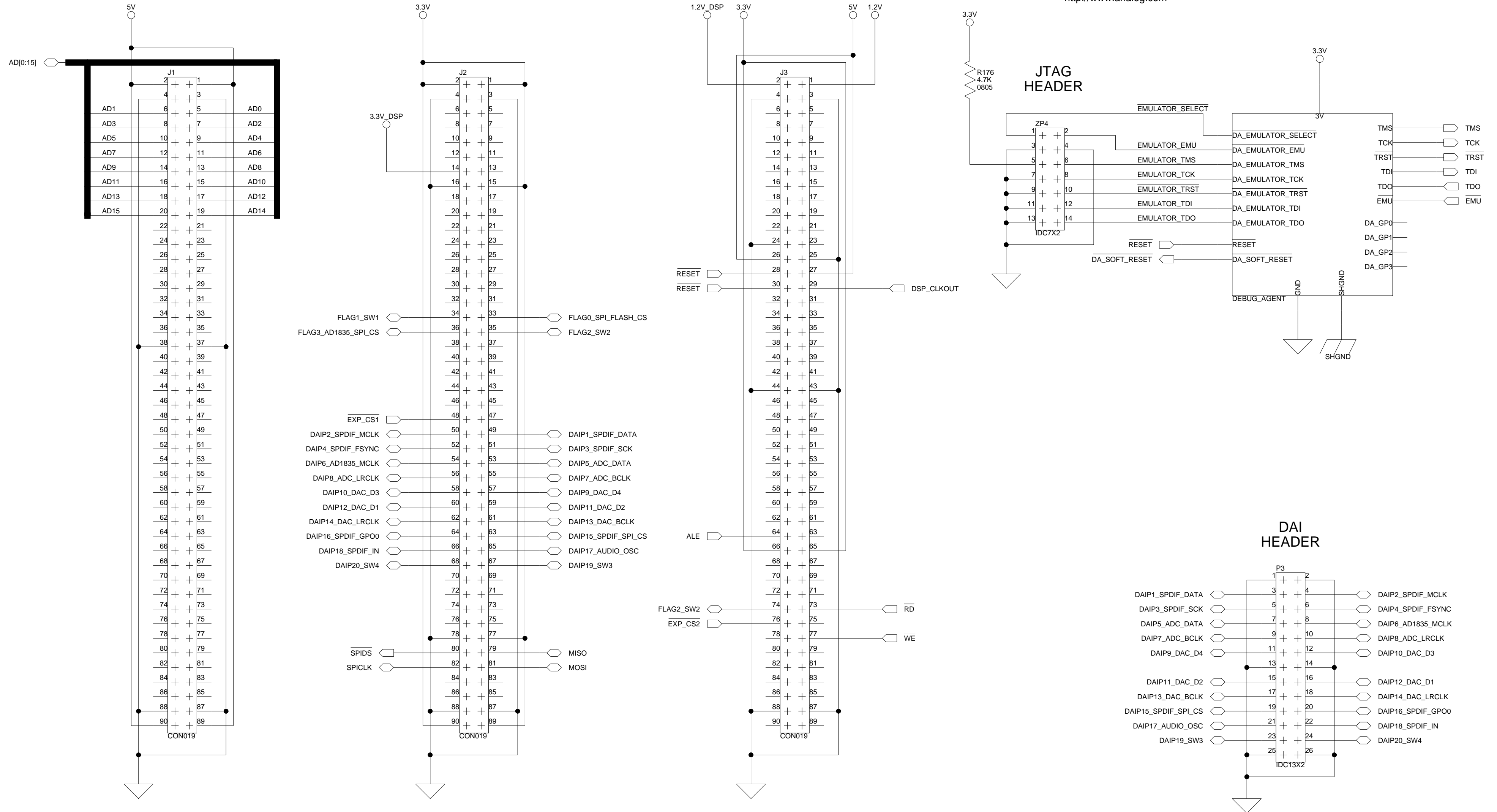
20 Cotton Road
Nashua, NH 03063
PH: 1-800-ANALOGD

Title ADSP-21262 EZ-KIT Lite RESET/PB/LED		
Size C	Board No. A0174-2002	Rev 2.0C
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All USB interface circuitry is considered proprietary and has been omitted from this schematic.

When designing your JTAG interface please refer to the Engineer to Engineer Note EE-68 which can be found at <http://www.analog.com>

EXPANSION INTERFACE (TYPE A)



NOTE: Must disable SW1 when using this pin as SPI select.
See page 9



20 Cotton Road
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Title	ADSP-21262 EZ-KIT Lite EXPANSION INTERFACE/JTAG/SPI/DAI
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Size C	Board No. A0174-2002	Rev 2.0C
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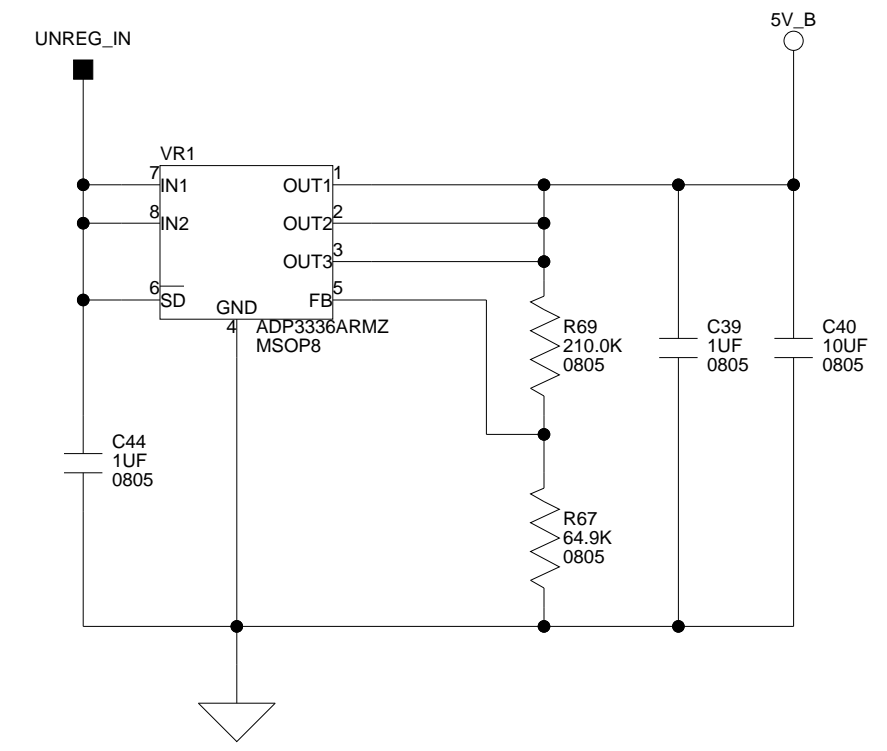
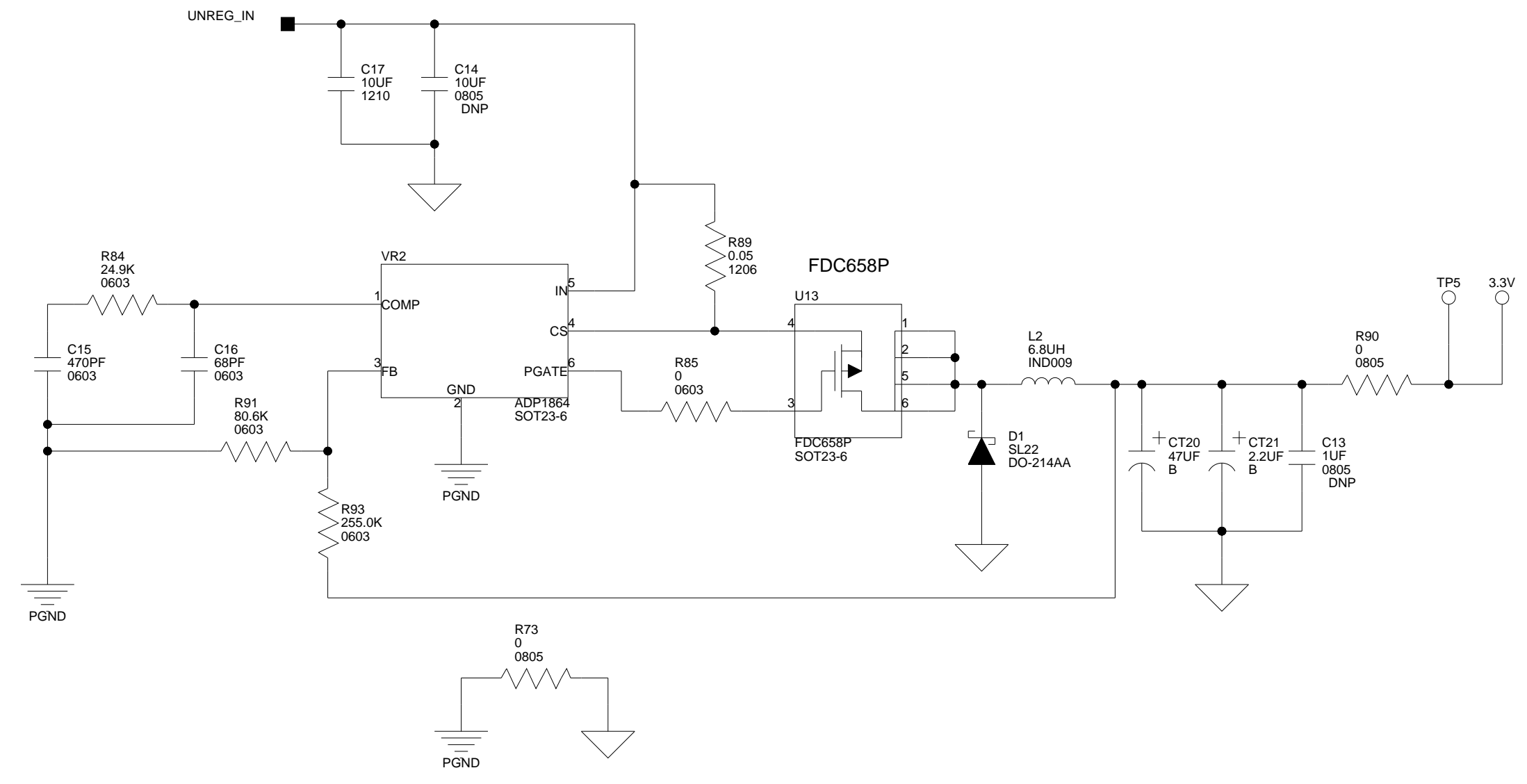
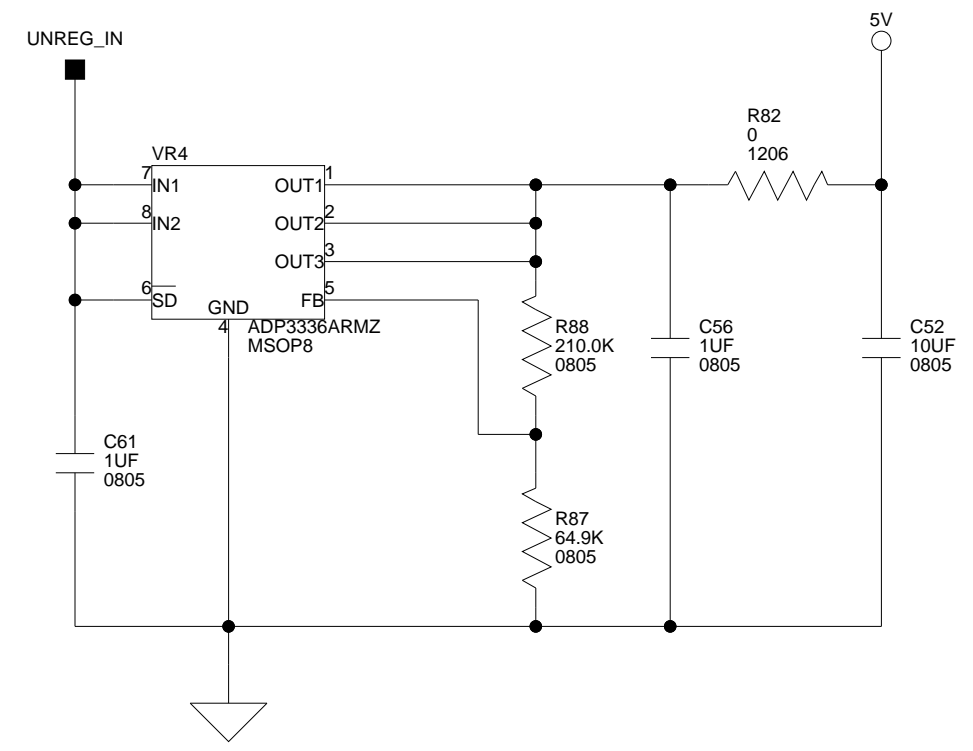
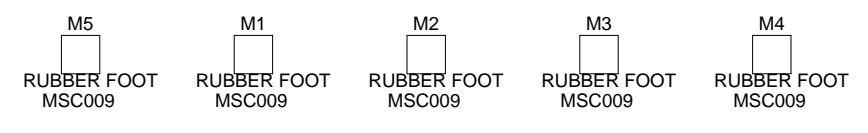
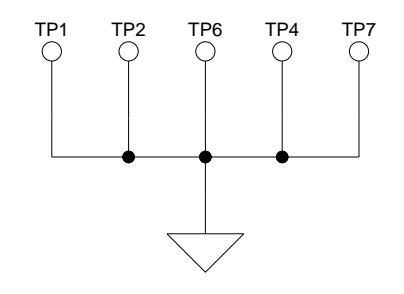
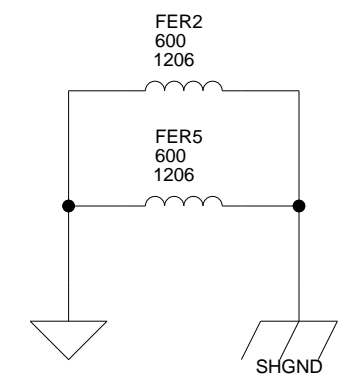
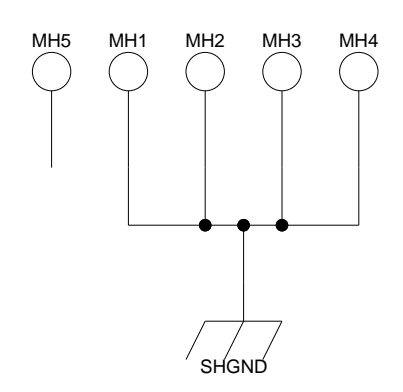
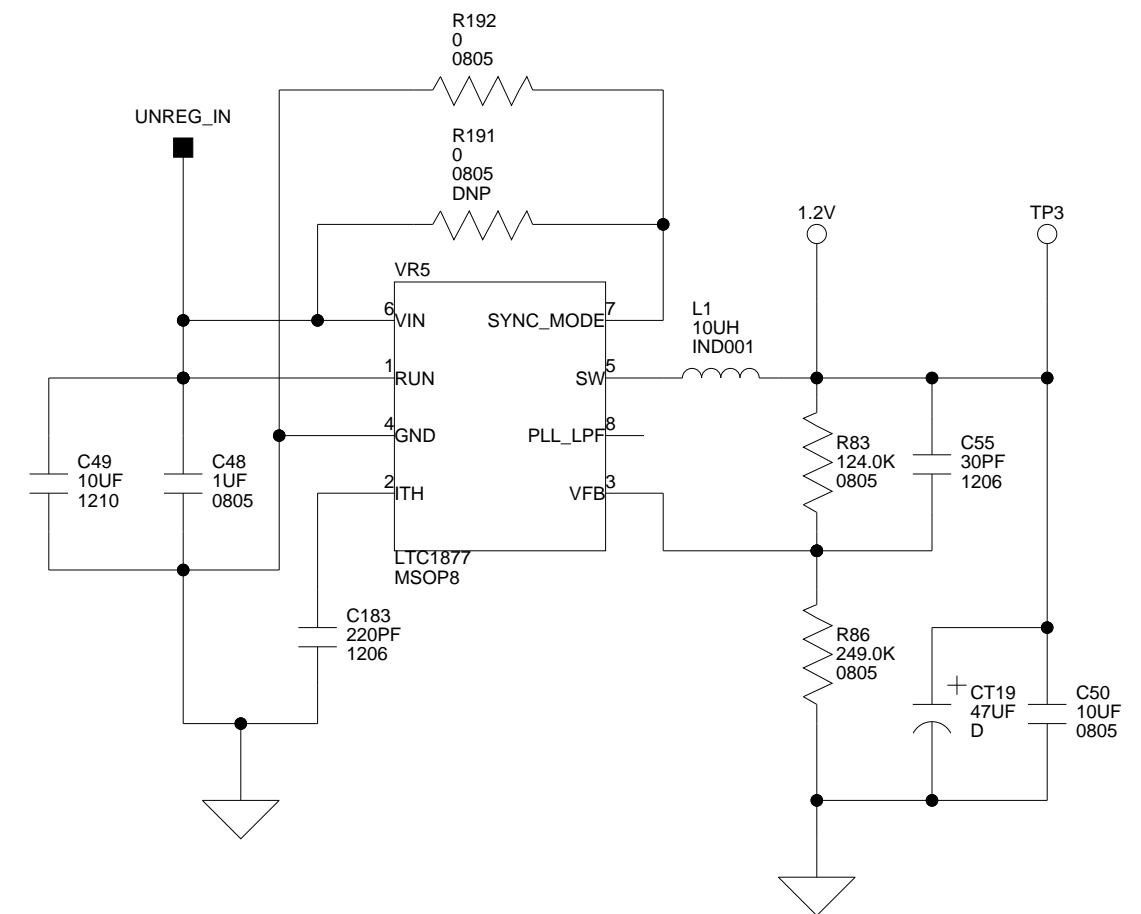
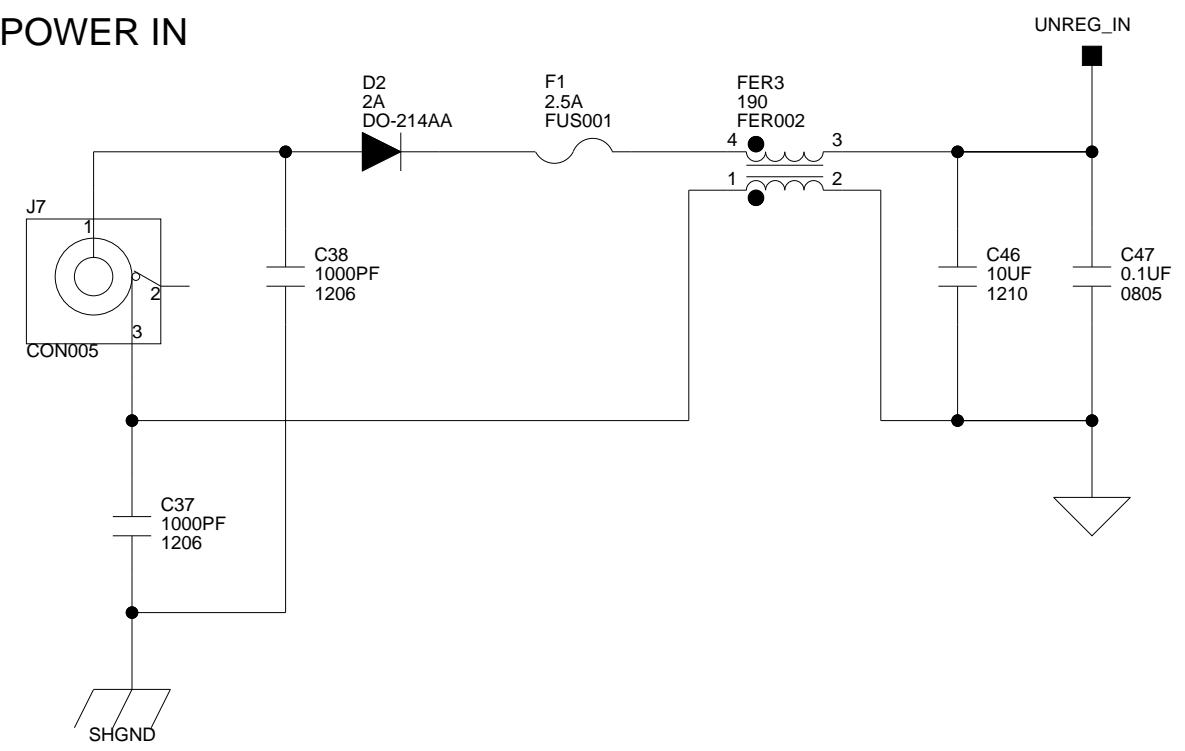
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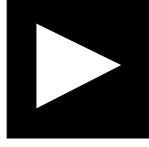
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POWER IN



		ANALOG DEVICES		20 Cotton Road Nashua, NH 03063 PH: 1-800-ANALOGD	
Title ADSP-21262 EZ-KIT Lite POWER					
Size C	Board No. A0174-2002			Rev 2.0C	
Date 6-25-2007_11:20	Sheet 11		of 11		