

A

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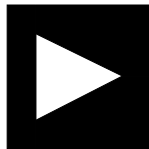
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# ADSP-BF561 EZ-KIT Lite Schematic



**ANALOG  
DEVICES**

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

**Title** ADSP-BF561 EZ-KIT LITE  
TITLE

<b>Size</b> C	<b>Board No.</b> A0185-2003	<b>Rev</b> 2.1
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<b>Date</b> 7-6-2007_14:37	<b>Sheet</b> 1 of 14
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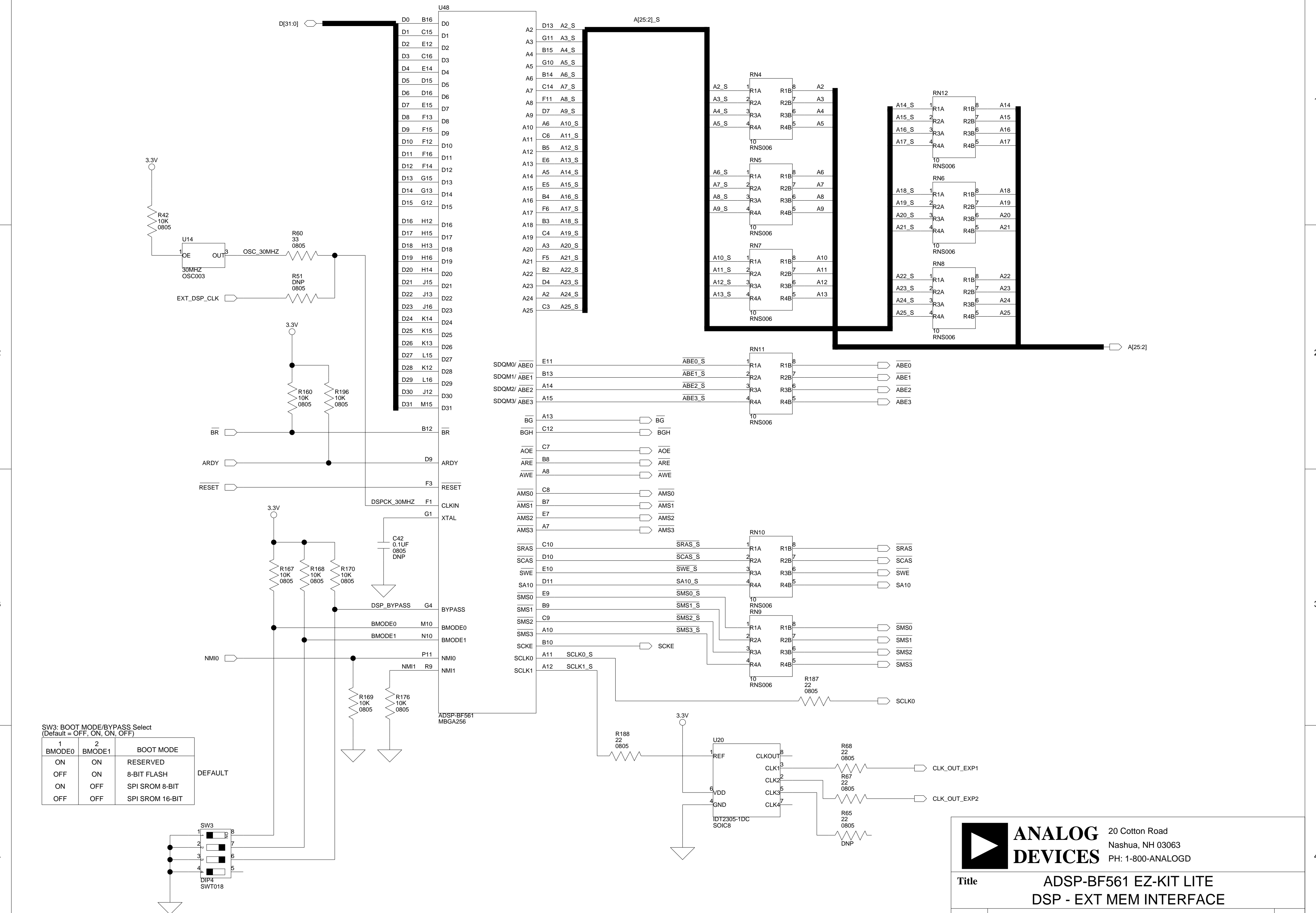
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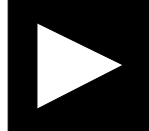
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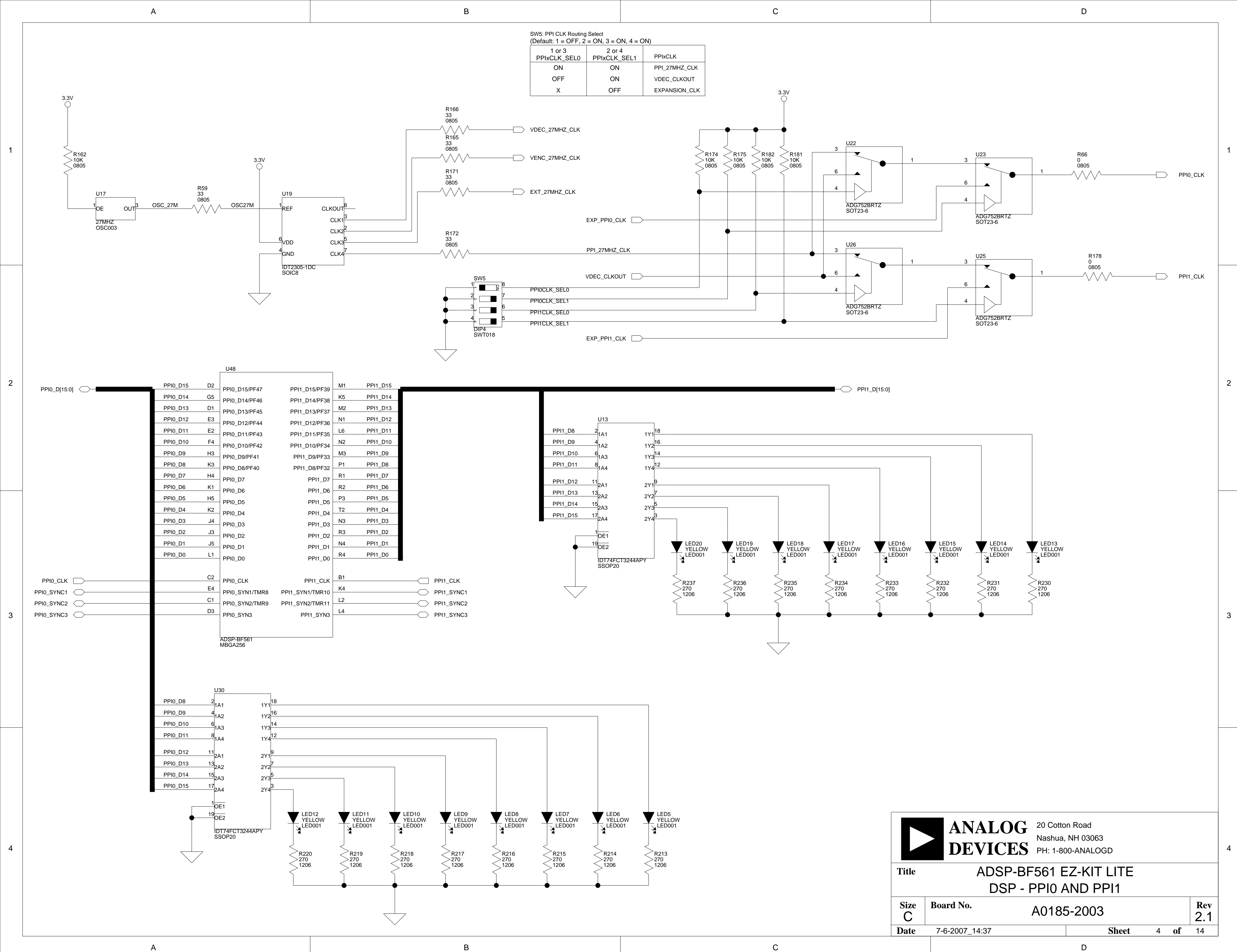


**ANALOG  
DEVICES**

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

Title <b>ADSP-BF561 EZ-KIT LITE DSP - EXT MEM INTERFACE</b>		
Size <b>C</b>	Board No. <b>A0185-2003</b>	Rev <b>2.1</b>
Date <b>7-6-2007_14:37</b>	Sheet <b>2</b> of <b>14</b>	





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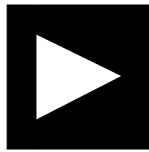
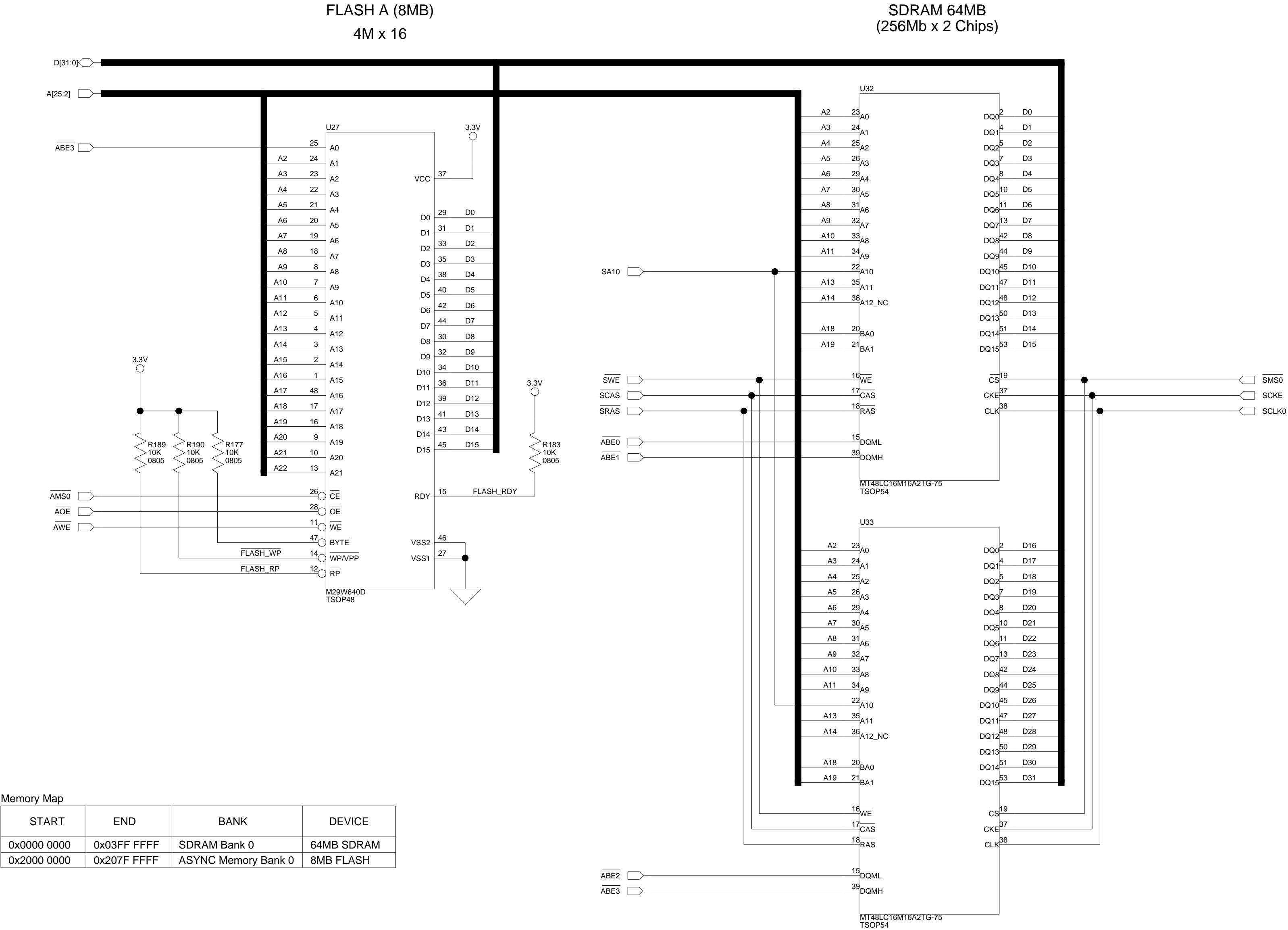
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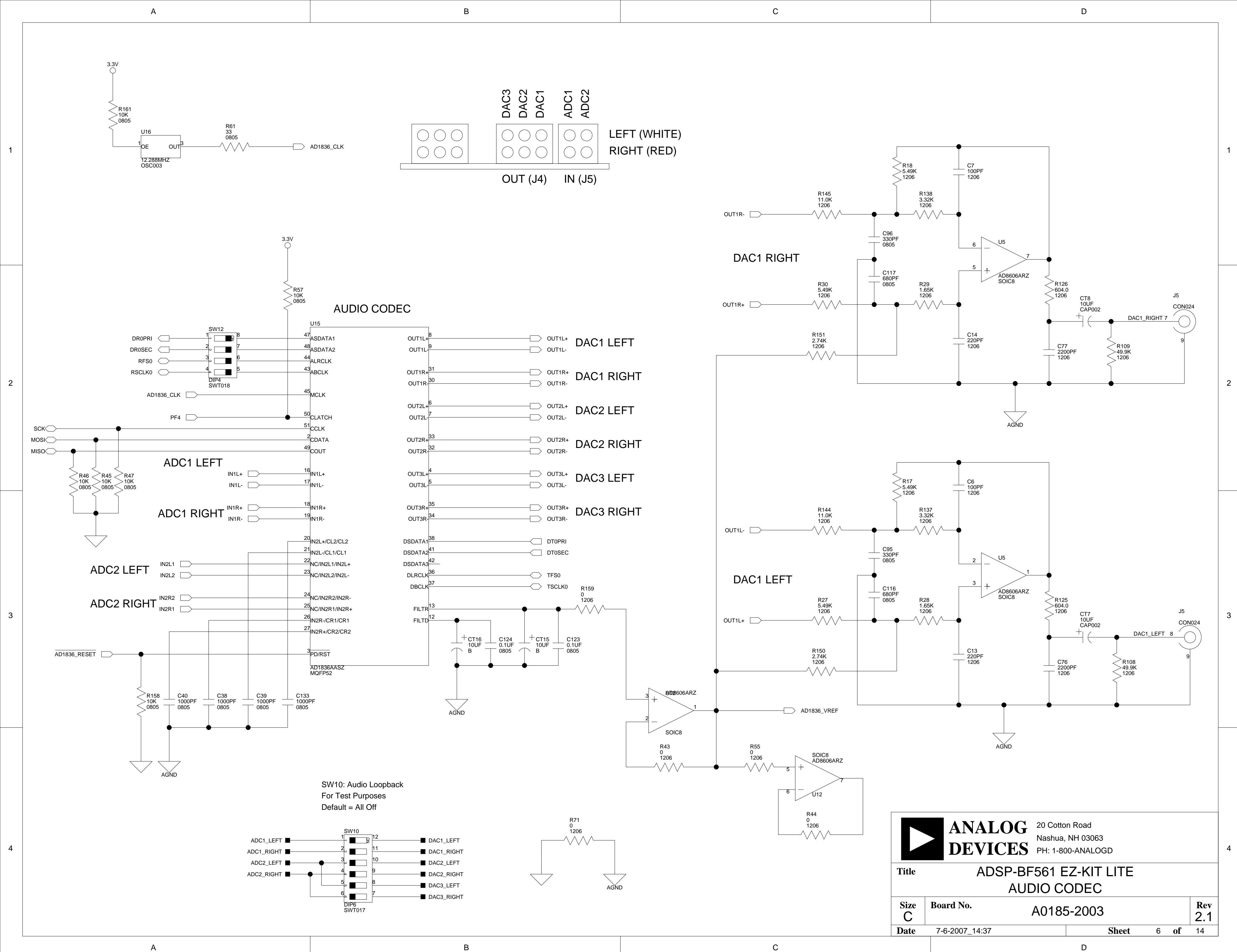
**ANALOG  
DEVICES**

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

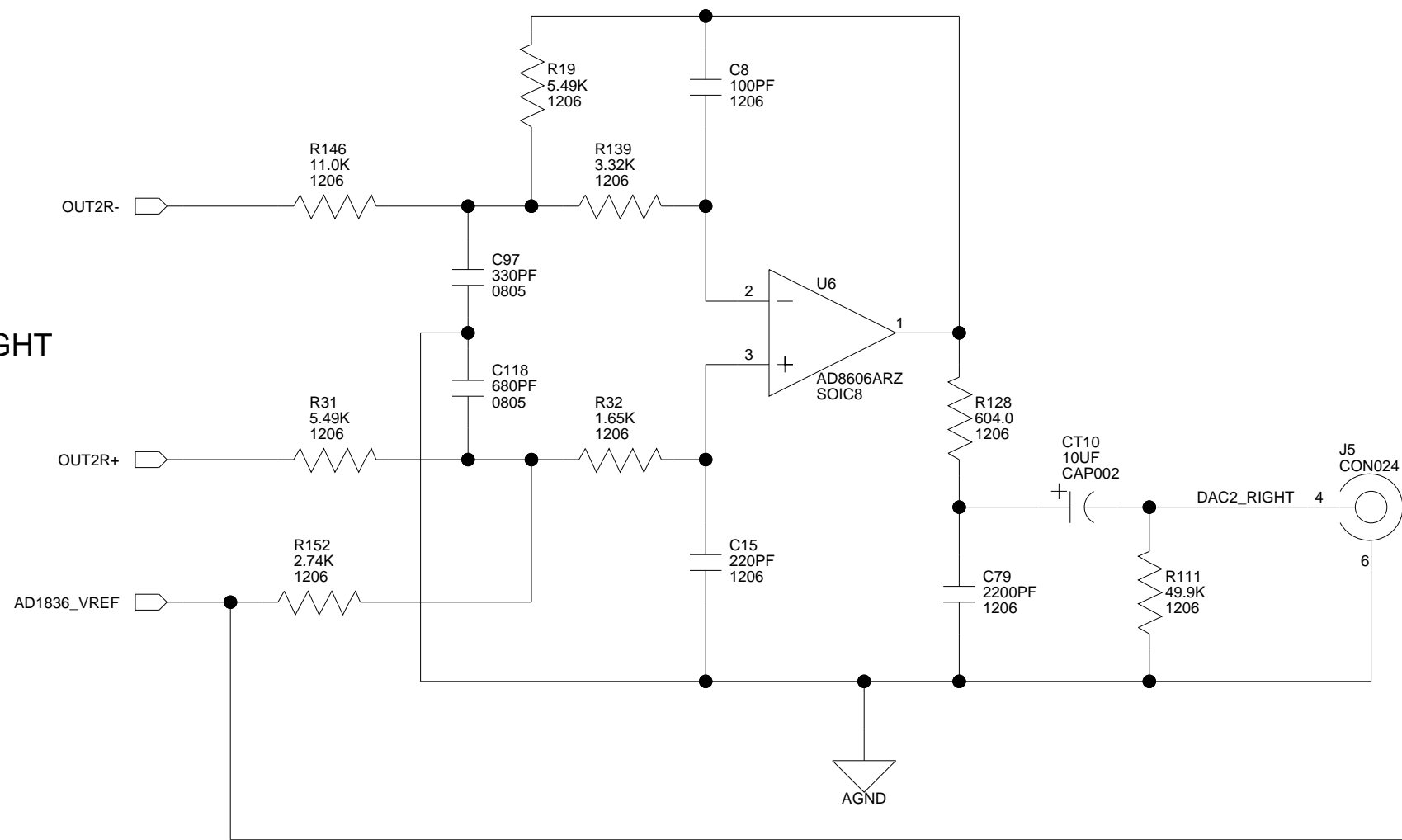
Title  
**ADSP-BF561 EZ-KIT LITE  
MEMORY - FLASH & SDRAM**

Size <b>C</b>	Board No. <b>A0185-2003</b>	Rev <b>2.1</b>
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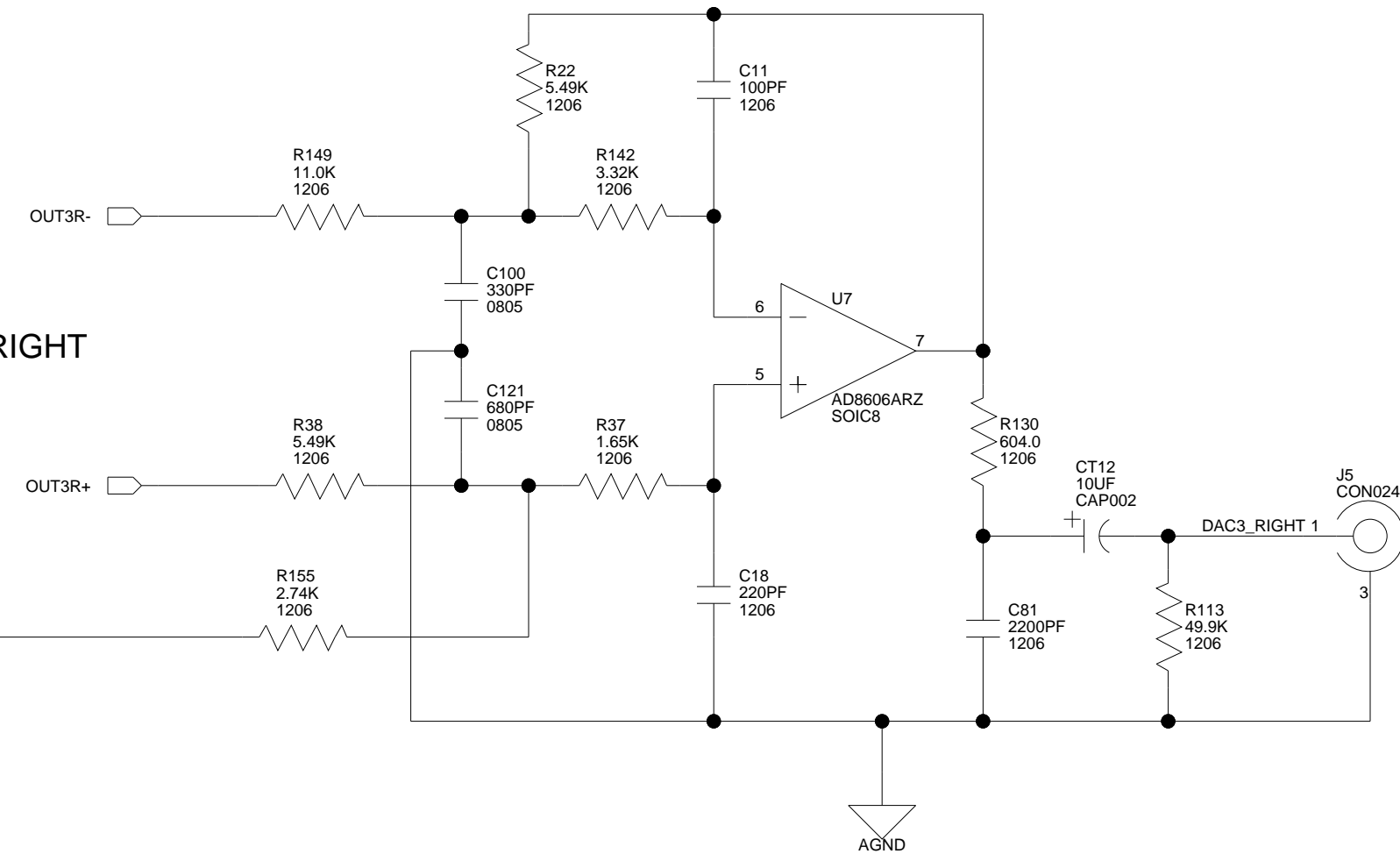
Date 7-6-2007_14:37	Sheet 5 of 14
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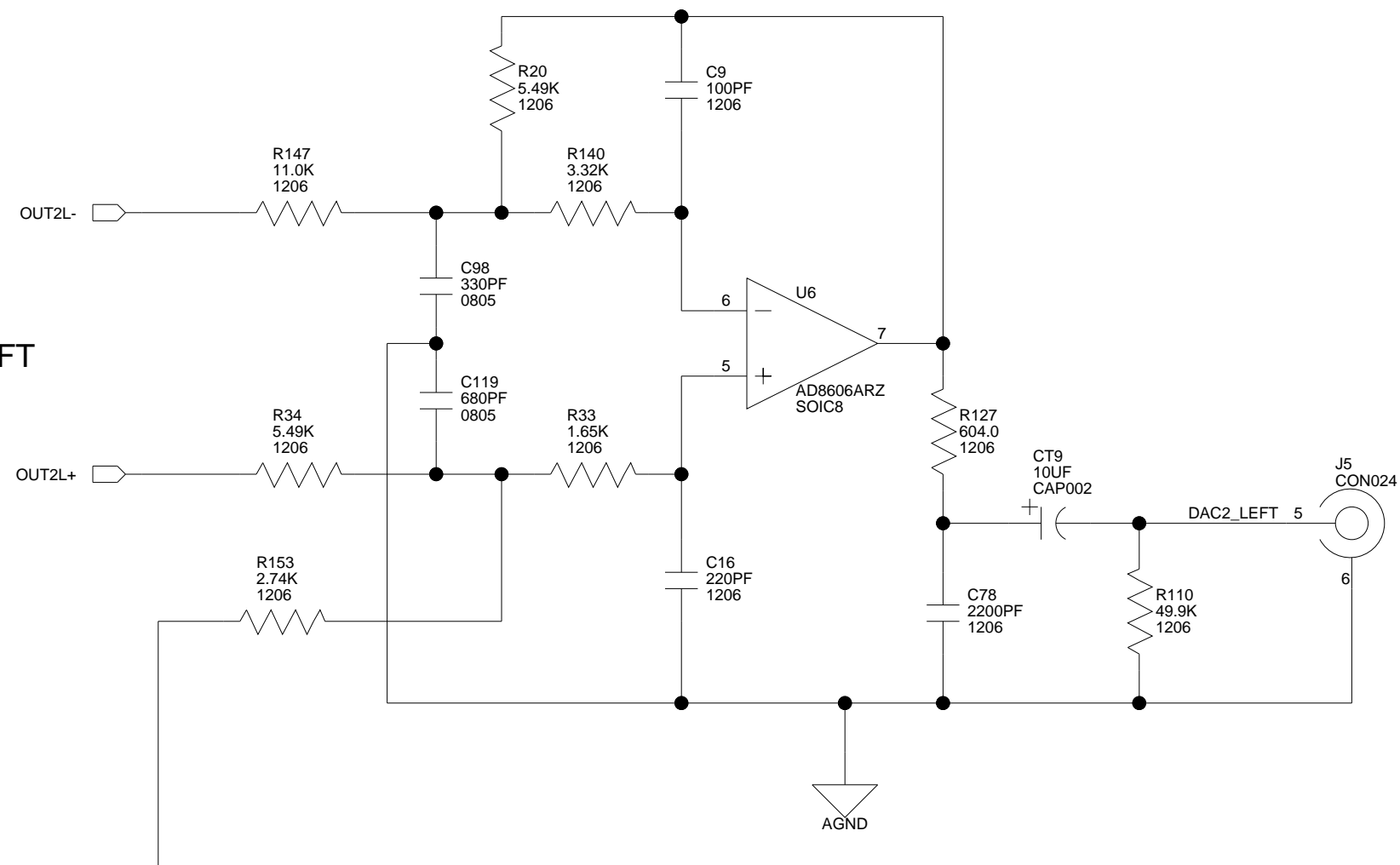
# DAC2 RIGHT



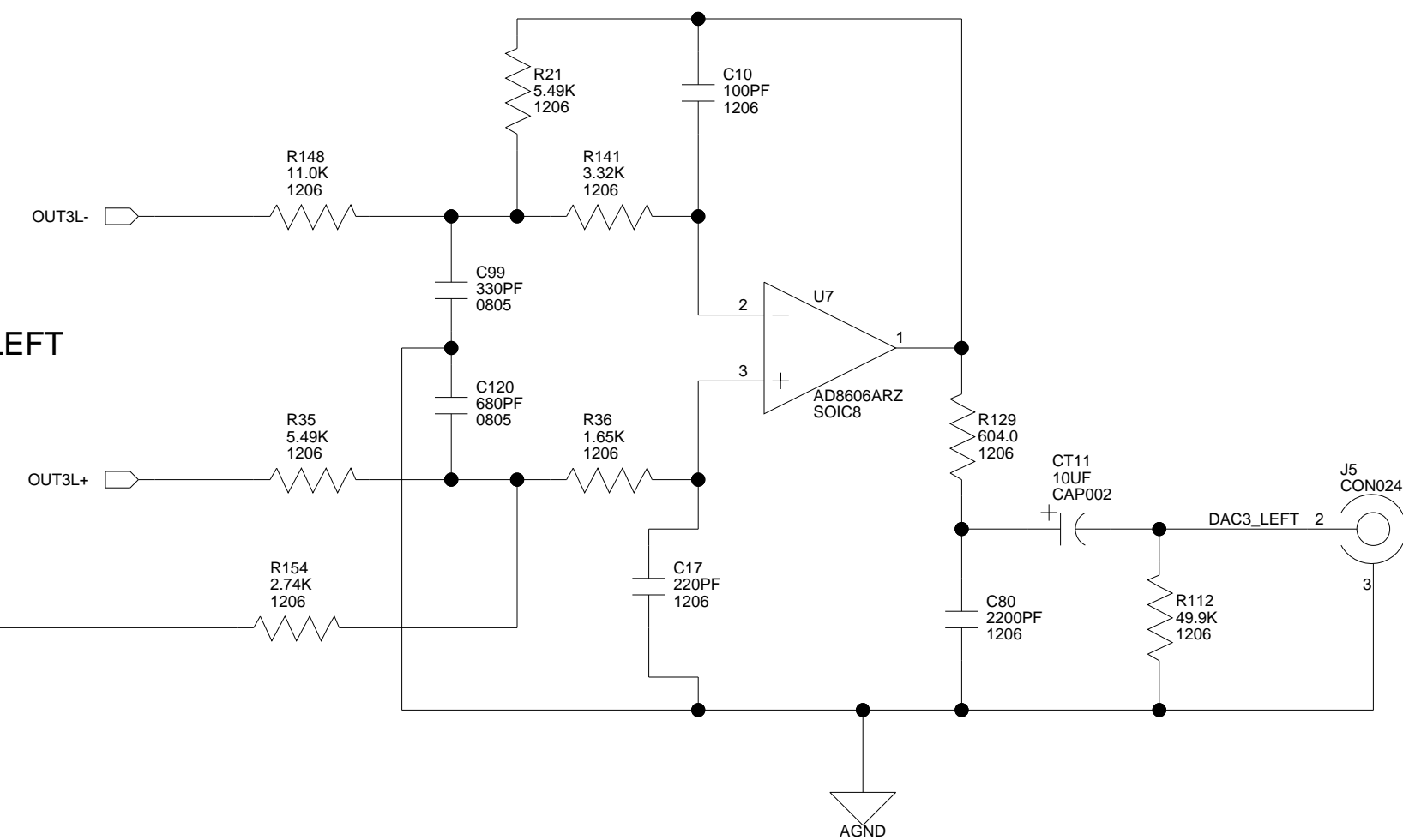
# DAC3 RIGHT



# DAC2 LEFT



# DAC3 LEFT



**ANALOG  
DEVICES**

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

Title **ADSP-BF561 EZ-KIT LITE  
AUDIO OUT**

Size <b>C</b>	Board No. <b>A0185-2003</b>	Rev <b>2.1</b>
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Date 7-6-2007_14:37	Sheet 7 of 14
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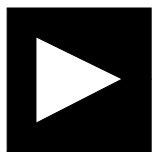
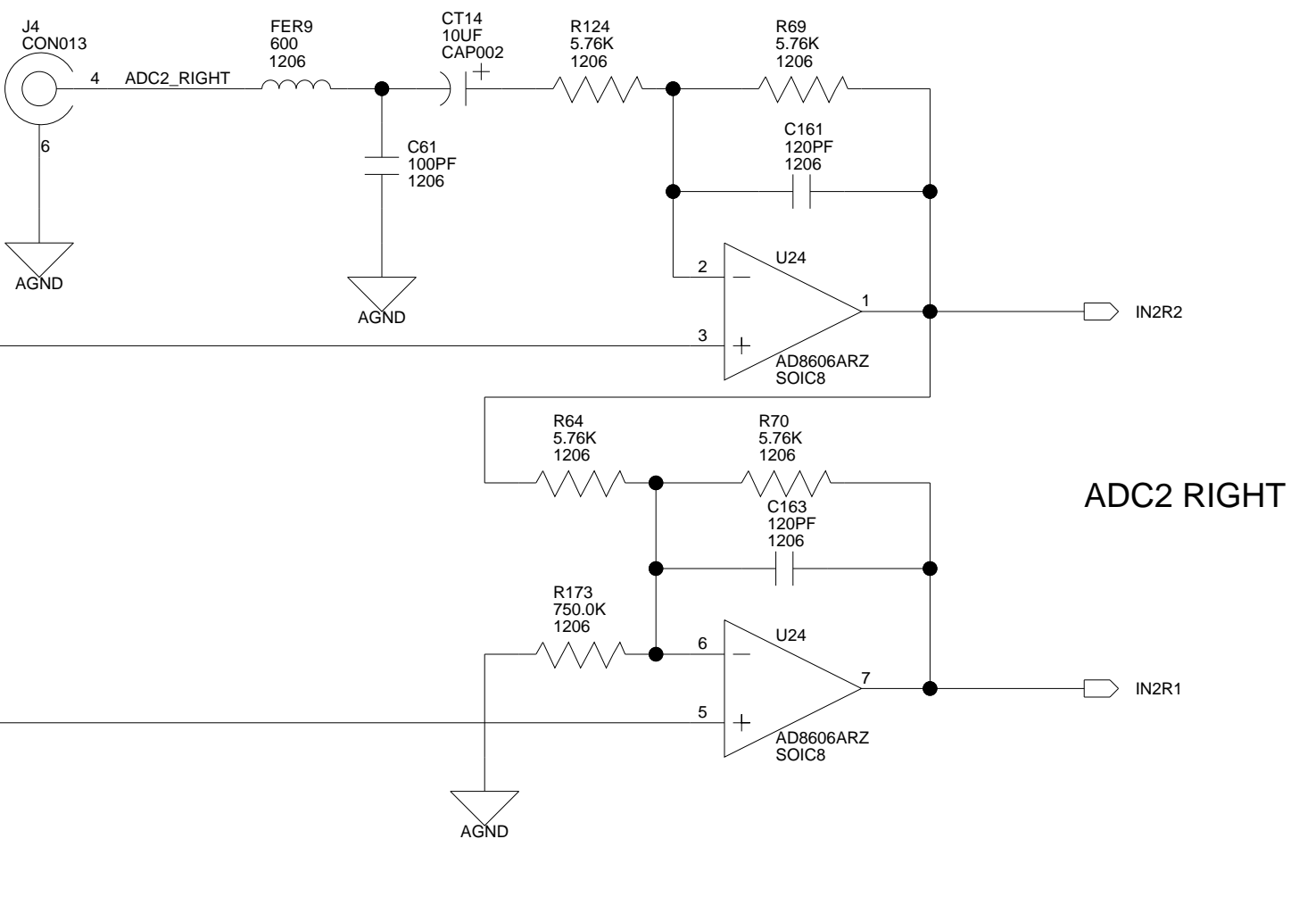
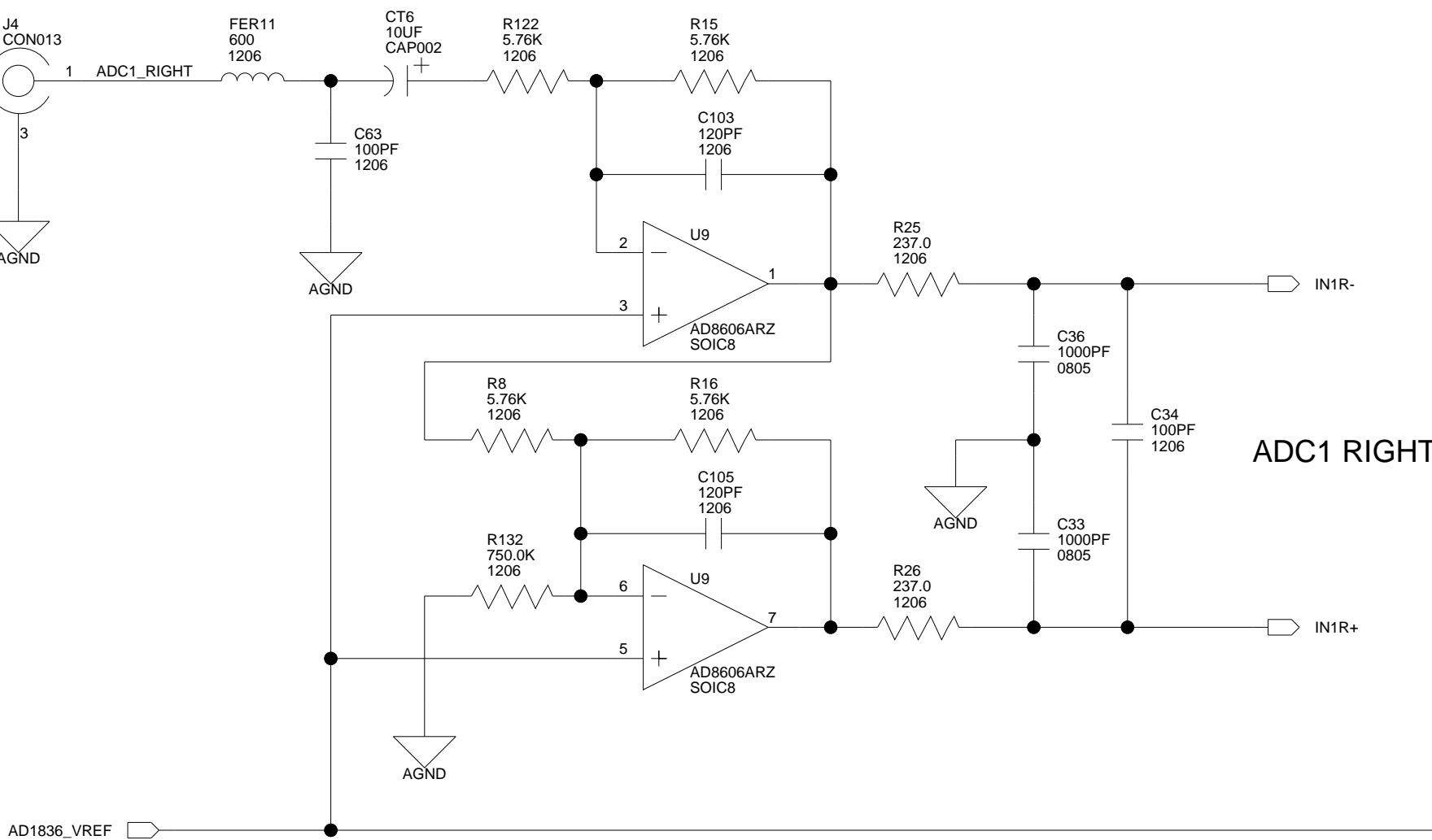
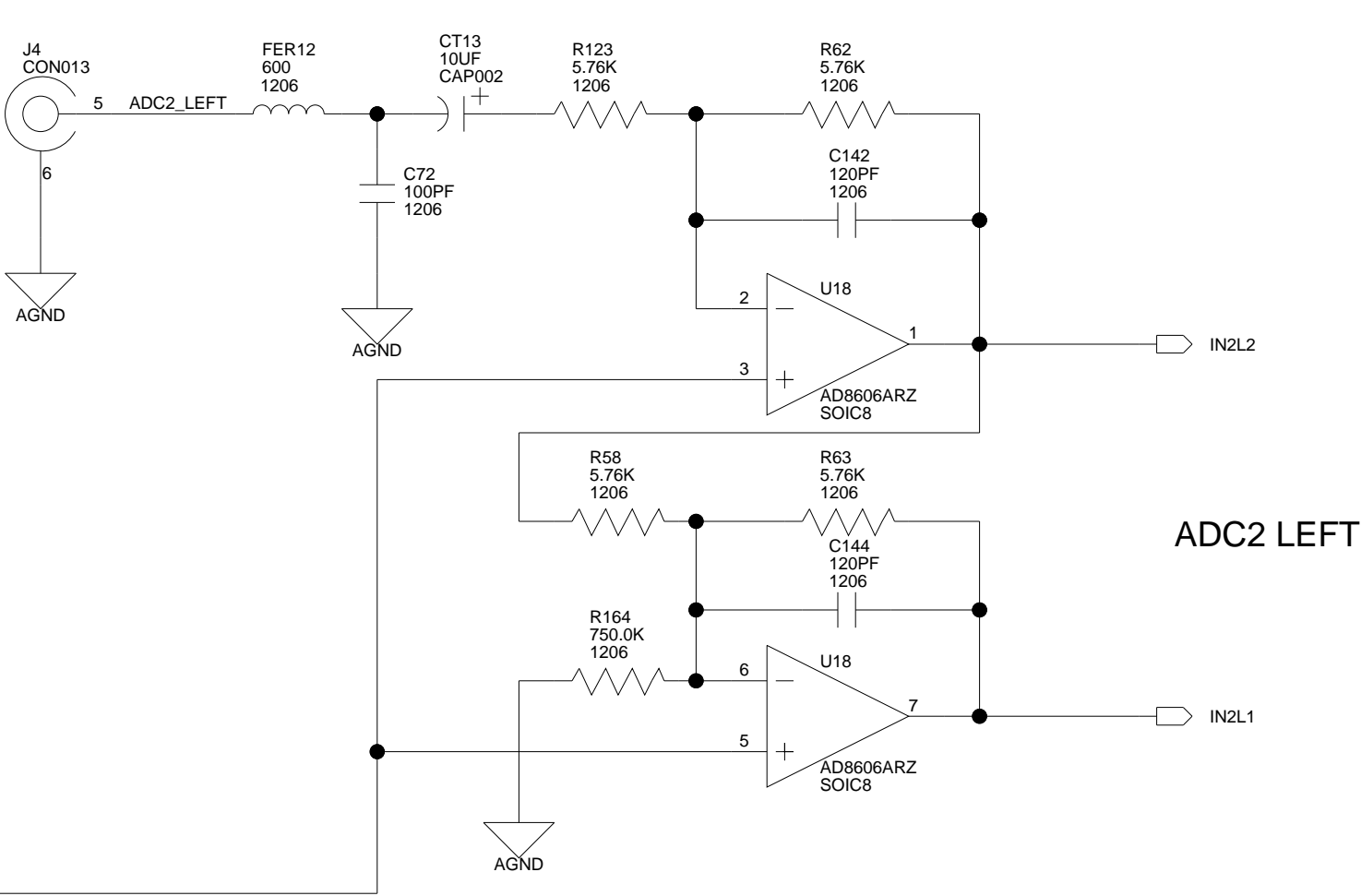
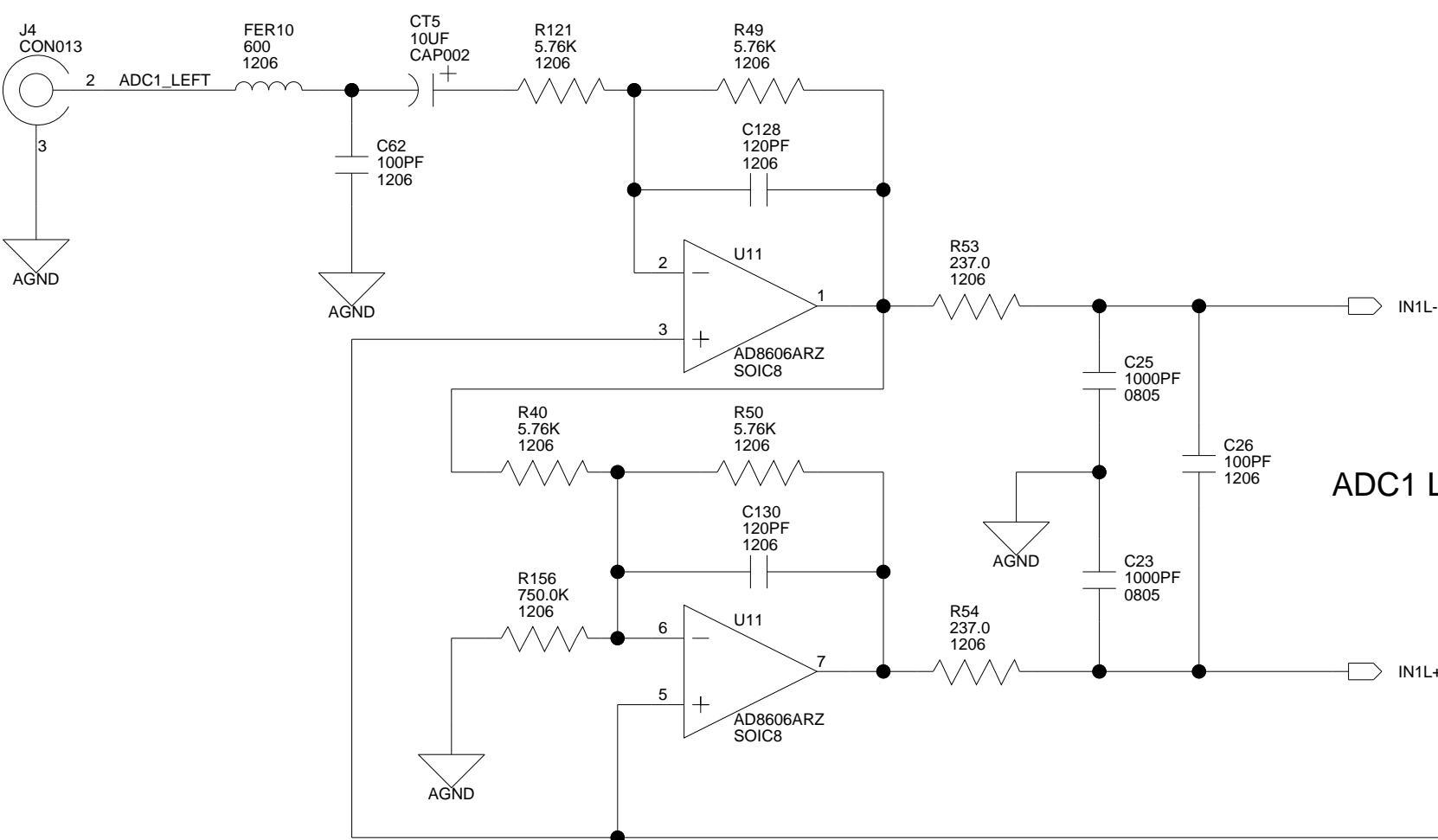
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**ANALOG  
DEVICES**

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

Title **ADSP-BF561 EZ-KIT LITE  
AUDIO IN**

Size <b>C</b>	Board No. <b>A0185-2003</b>	Rev <b>2.1</b>
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Date 7-6-2007_14:37	Sheet 8 of 14
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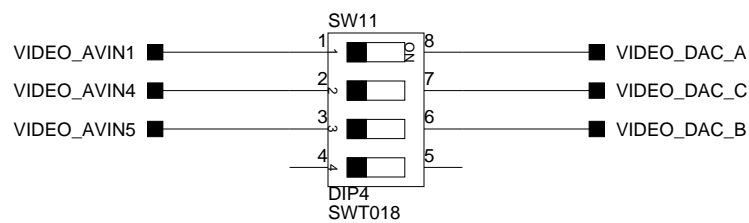
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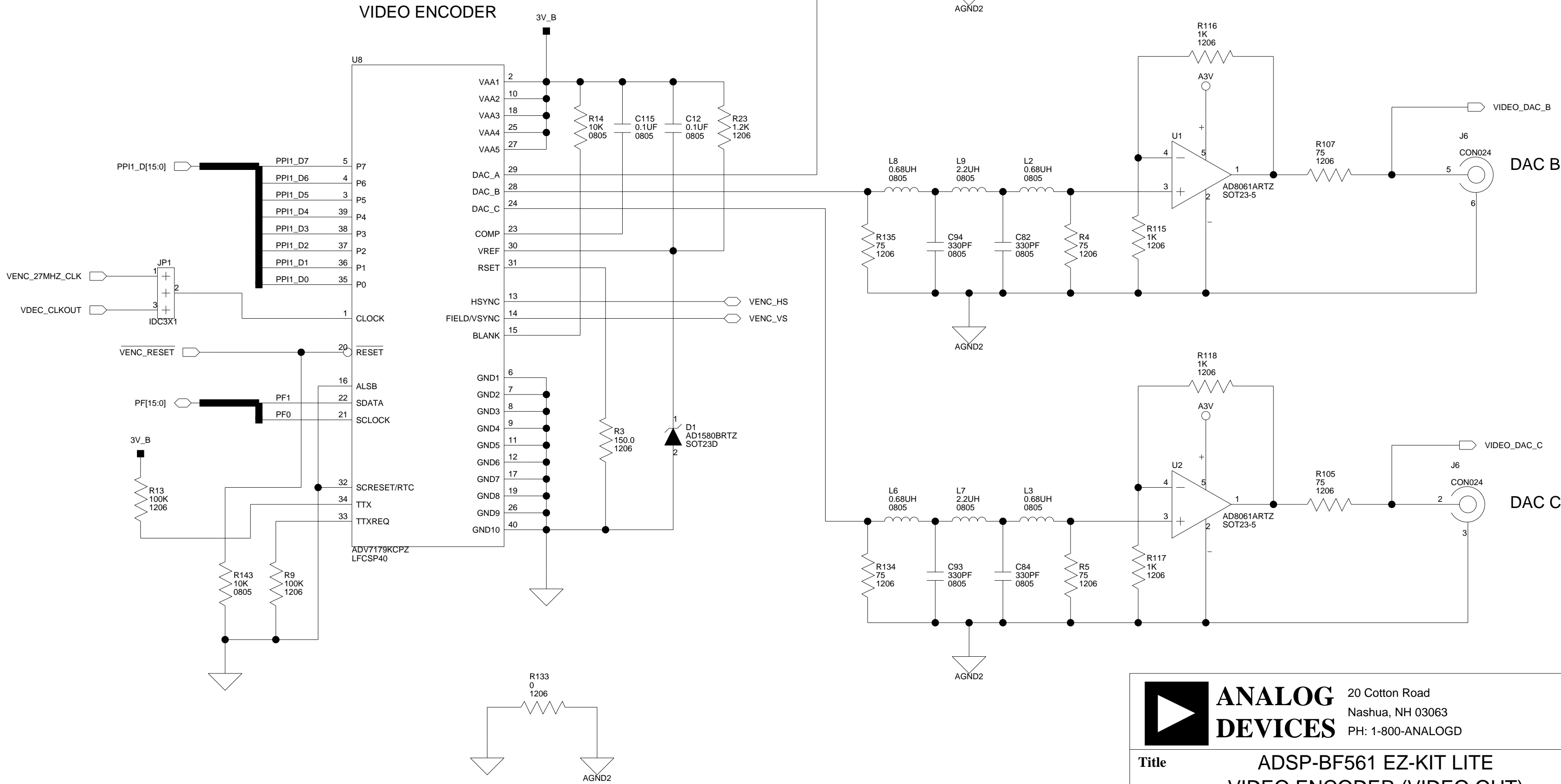
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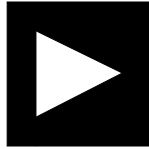
4



SW11: Video Loopback  
For Test Purposes  
Default = All Off

	DAC A	DAC B	DAC C
Composite Video	CVSB	CVSB	C
Component Video	G	B	R
Differential Component Video	Y	U	V
S Video	Y		C



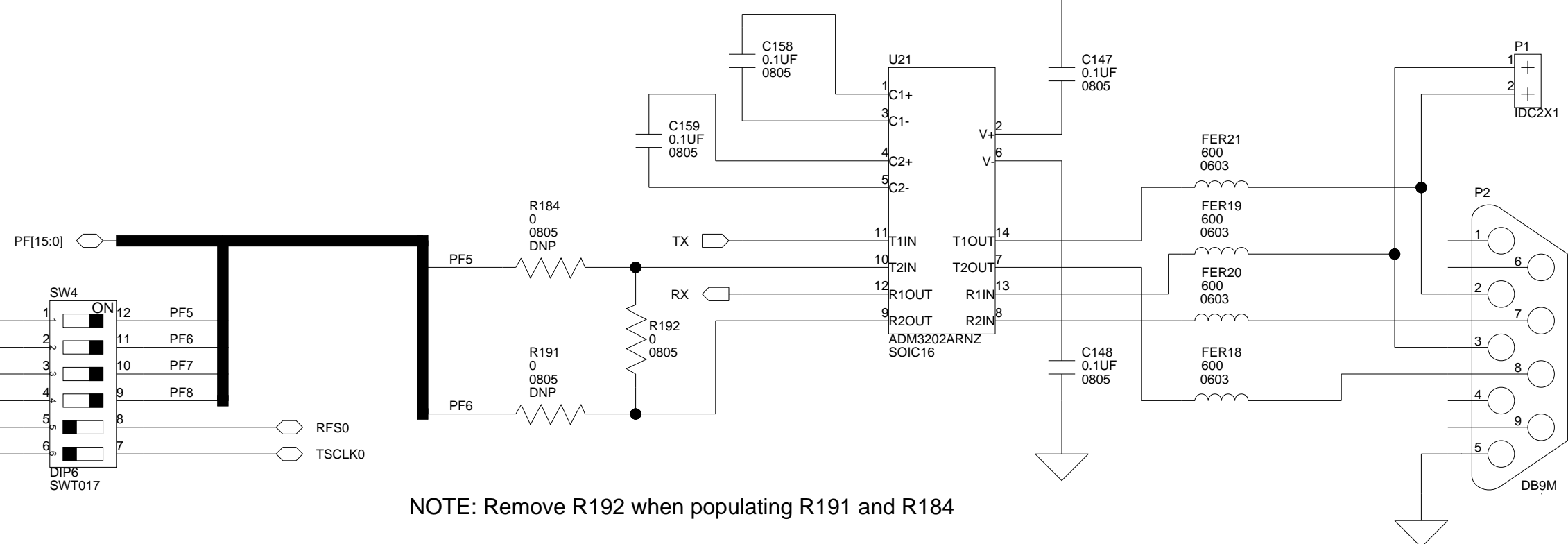
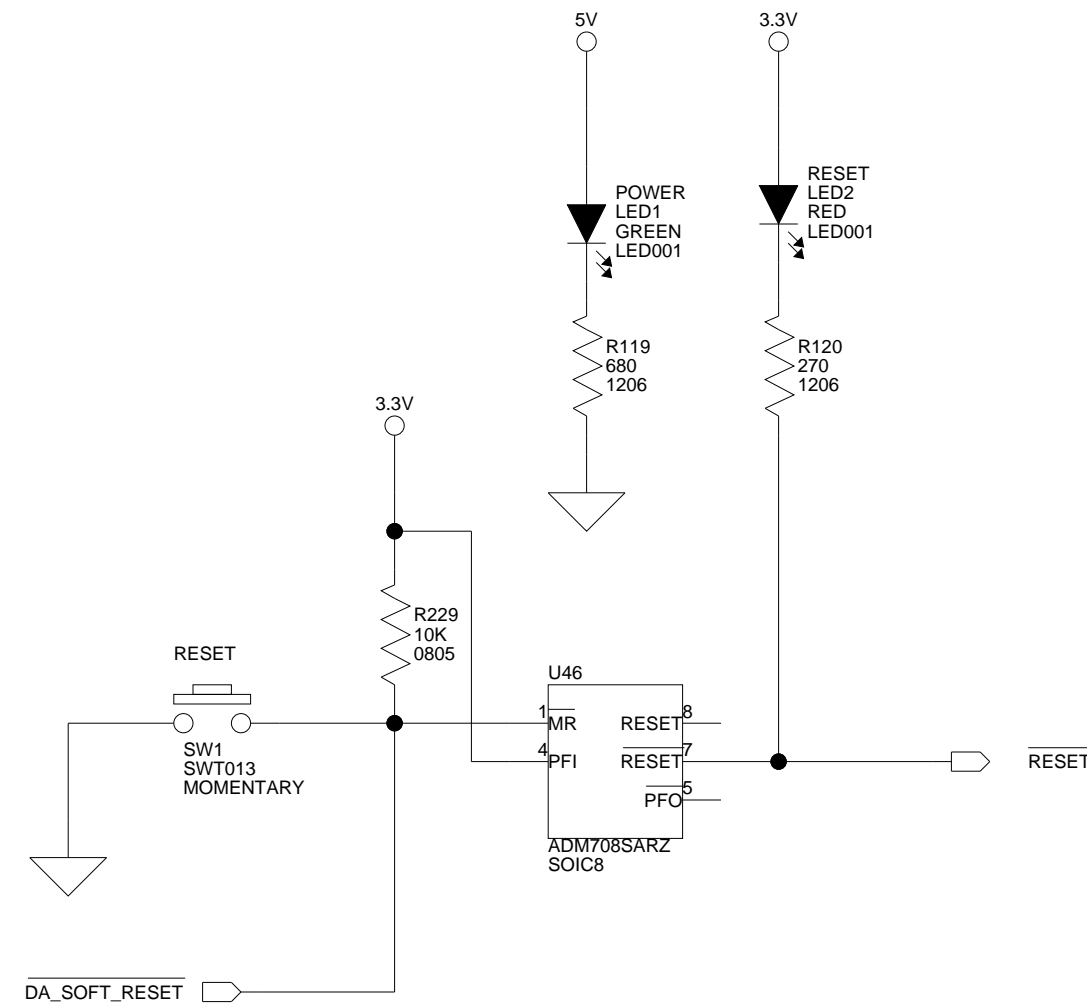
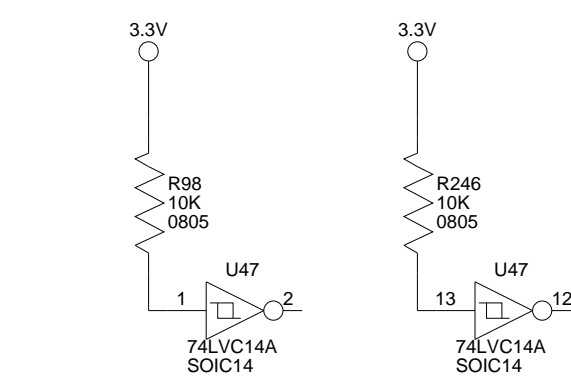
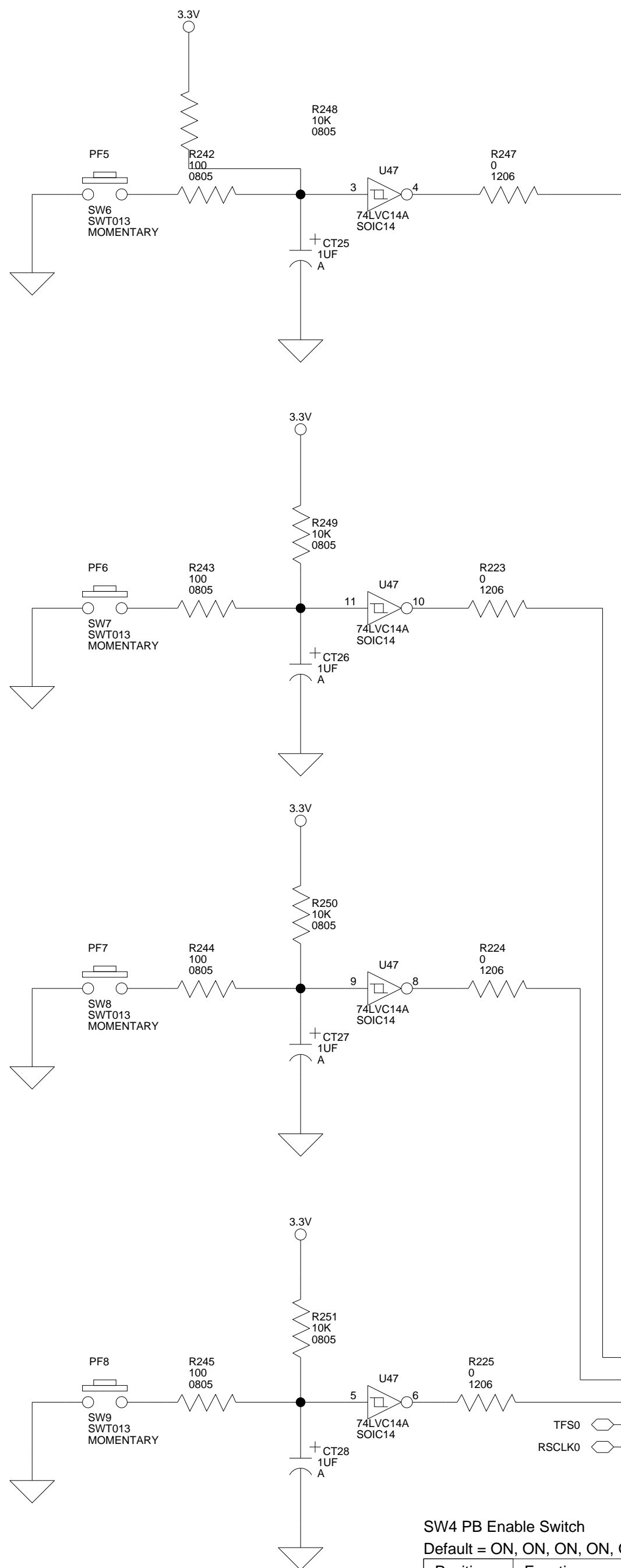


**ANALOG  
DEVICES**

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

Title ADSP-BF561 EZ-KIT LITE VIDEO ENCODER (VIDEO OUT)		
Size C	Board No. A0185-2003	Rev 2.1
Date 7-6-2007_14:37	Sheet 9	of 14





NOTE: Remove R192 when populating R191 and R184

SW4 PB Enable Switch  
Default = ON, ON, ON, ON, OFF, OFF

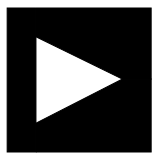
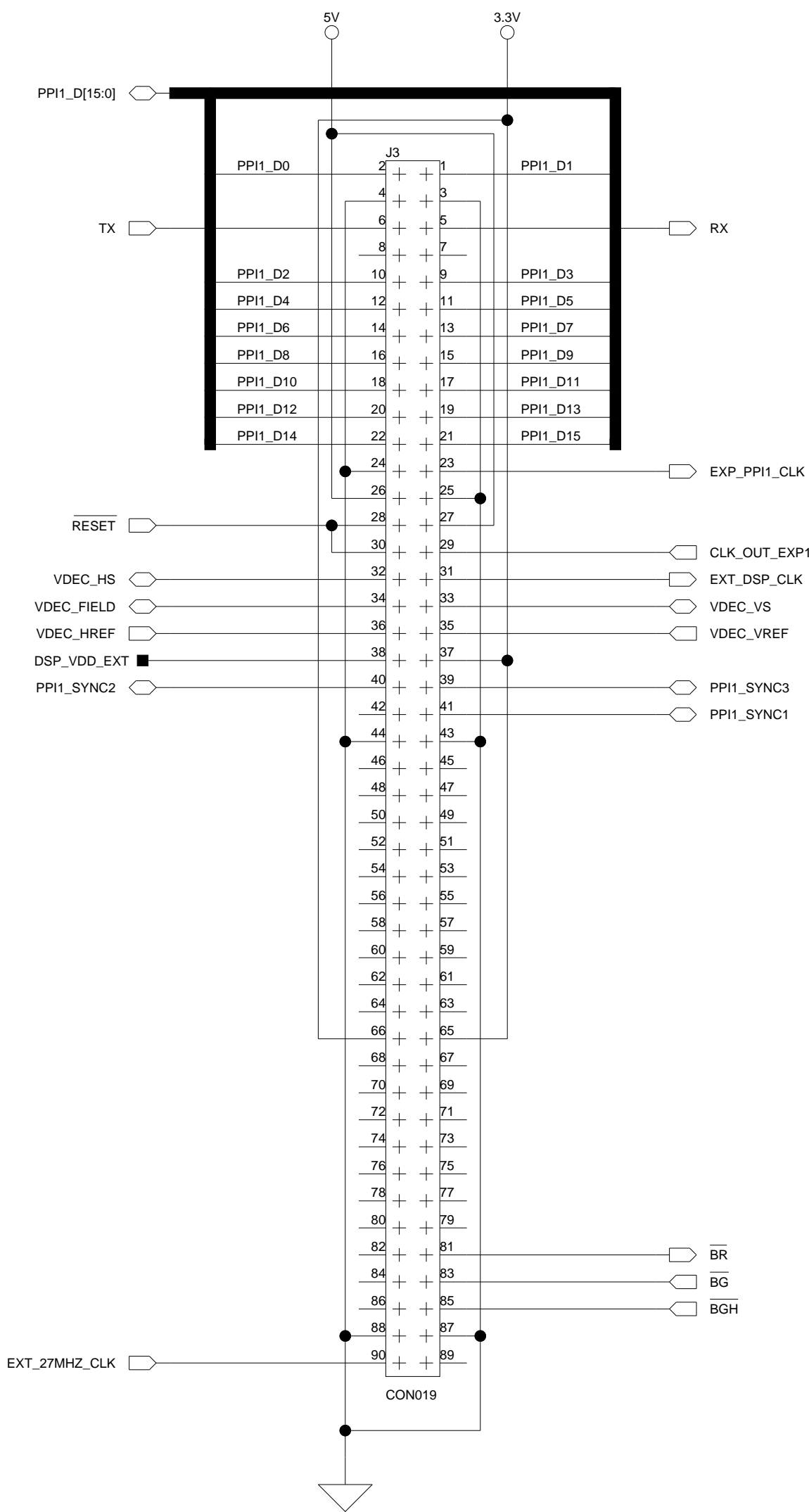
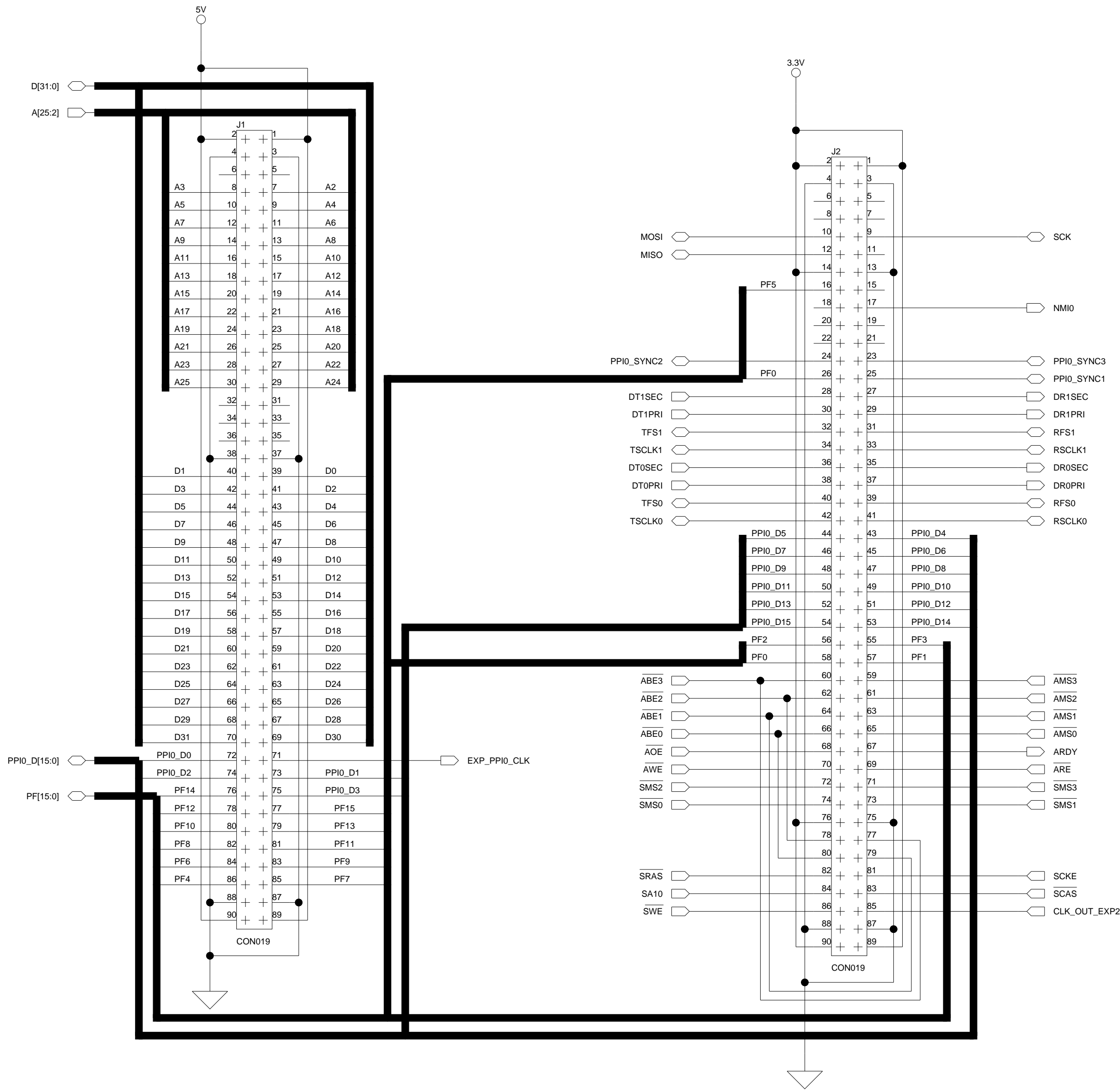
Position	Function
1-4	Connects the push buttons to the Programmable Flags of the DSP Useful if using the PFs for another purpose.
5,6	OFF, OFF = AD1836A -> TDM Mode ON, ON = AD1836A -> I2S Mode

**ANALOG DEVICES**

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

Title <b>ADSP-BF561 EZ-KIT LITE RESET, PUSH-BUTTON SWITCHES, UART</b>		
Size <b>C</b>	Board No. <b>A0185-2003</b>	Rev <b>2.1</b>
Date <b>7-6-2007_14:37</b>	Sheet <b>11</b> of <b>14</b>	

EXPANSION INTERFACE (TYPE B)



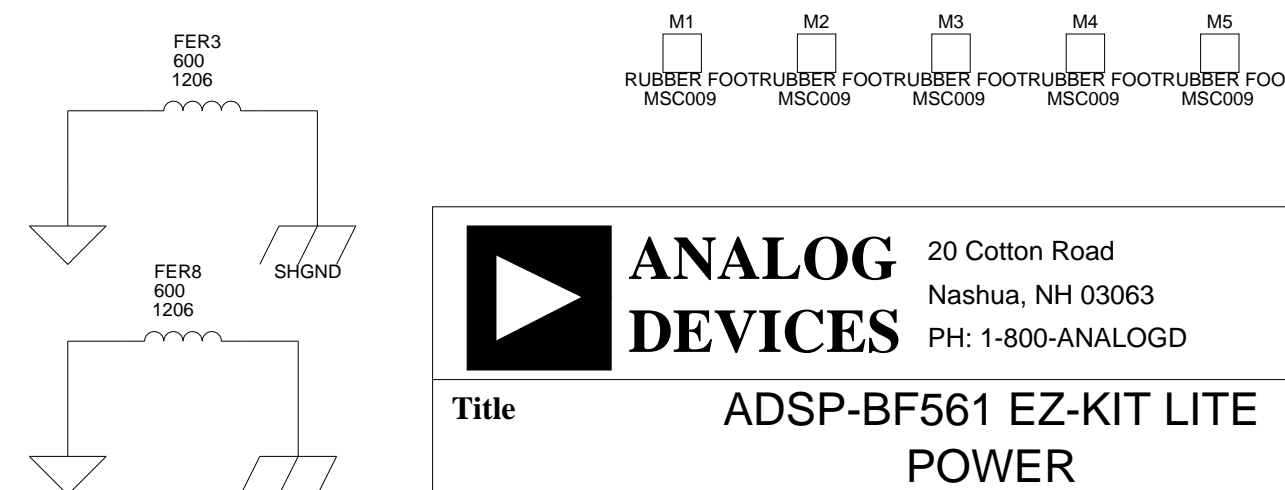
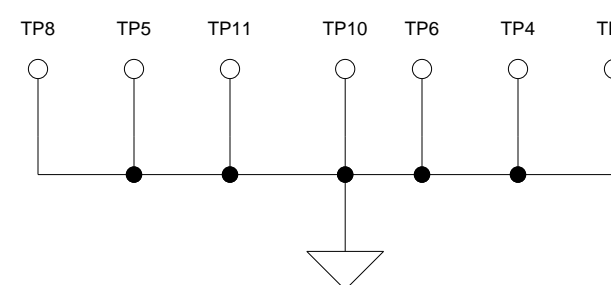
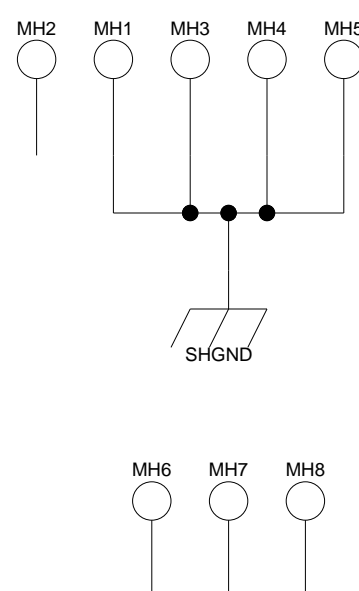
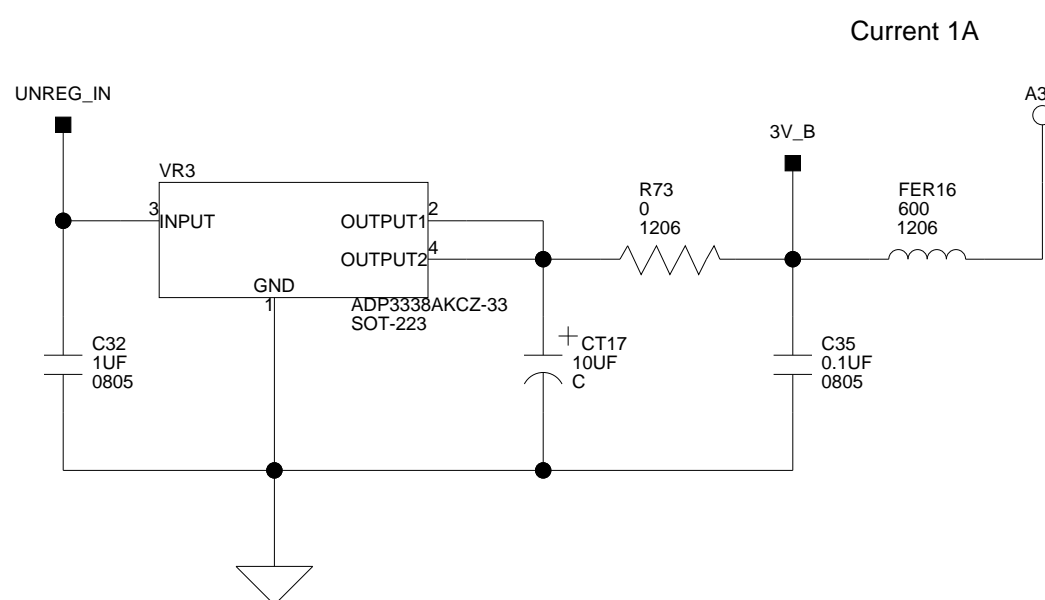
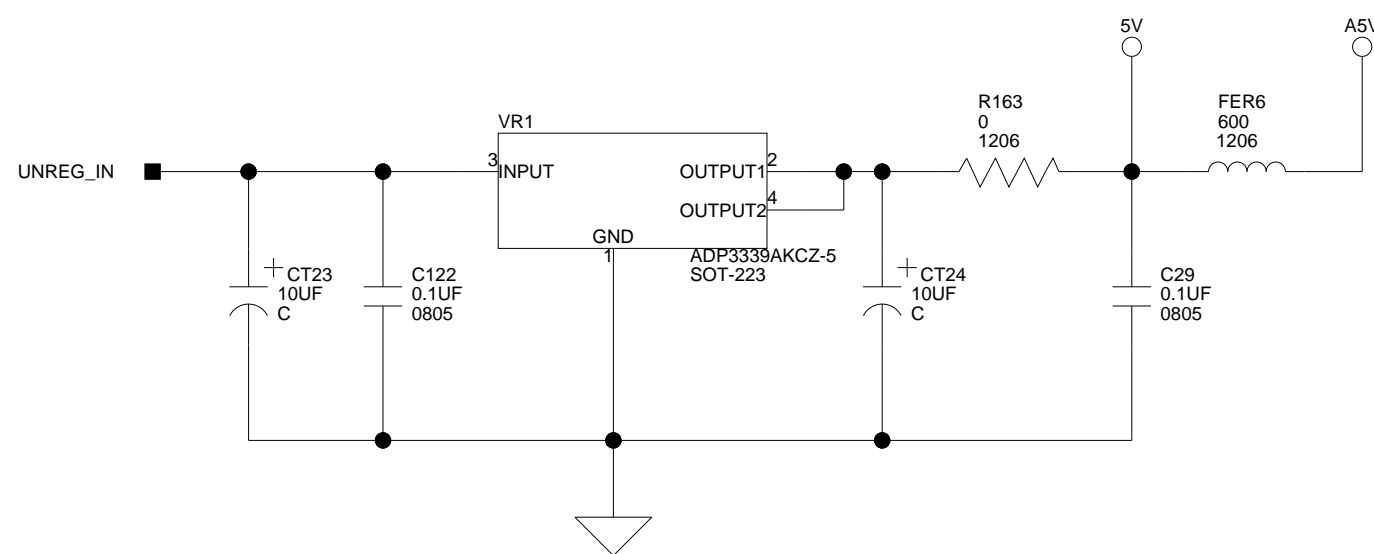
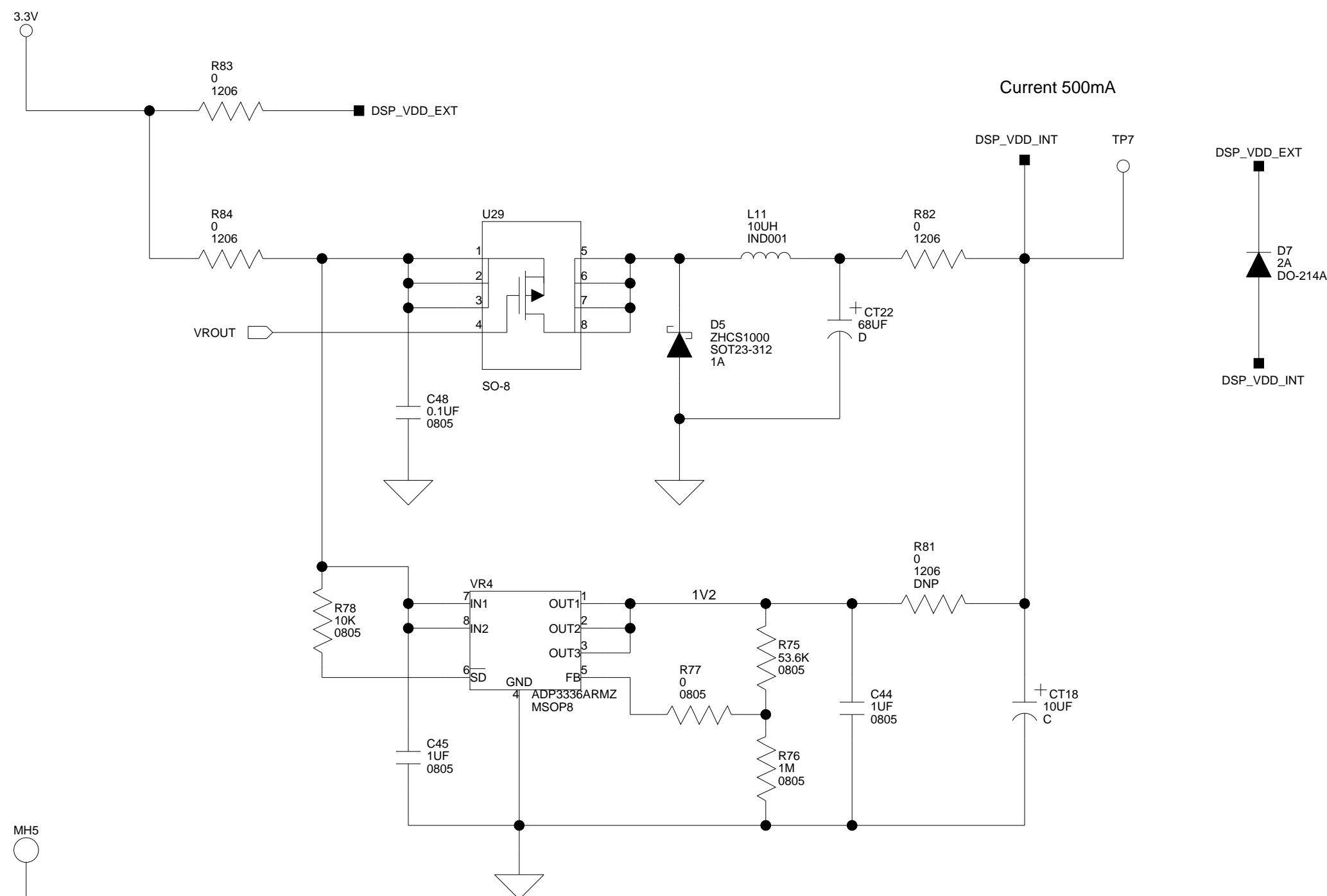
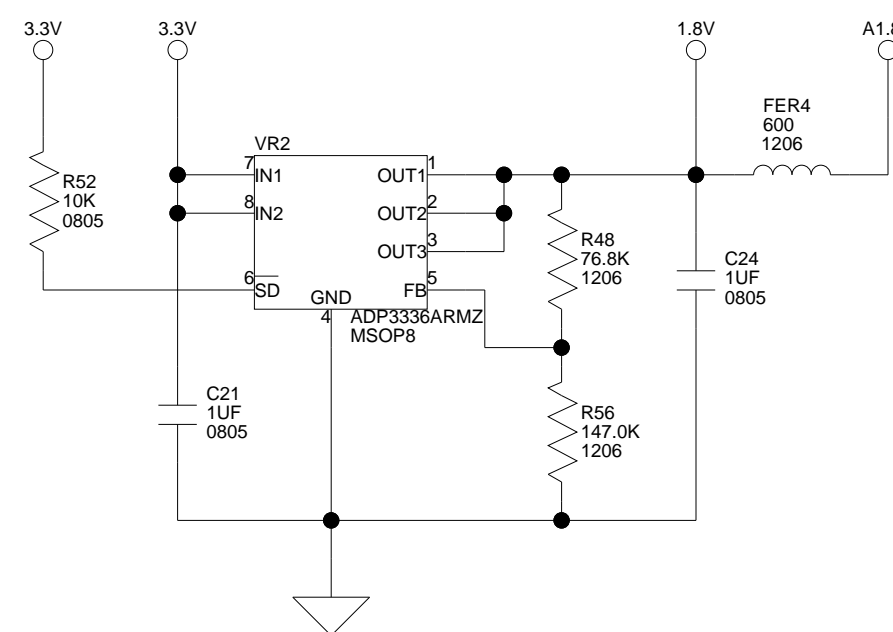
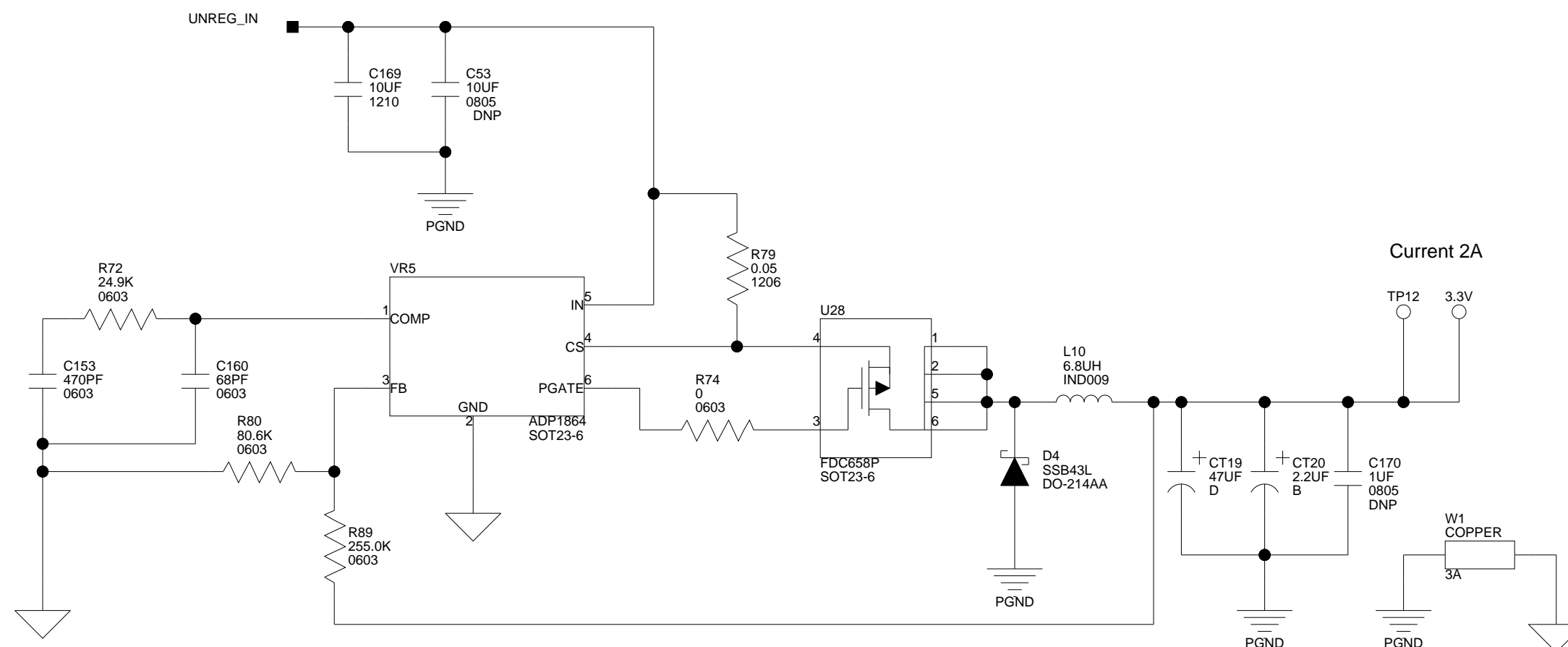
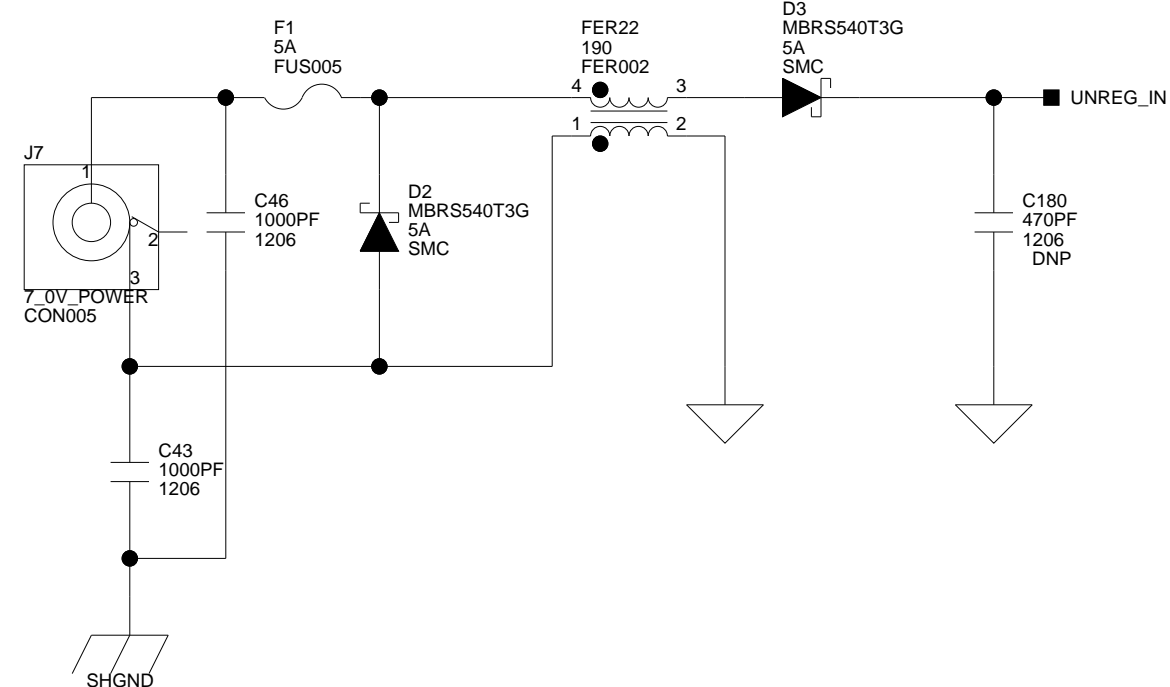
**ANALOG  
DEVICES**

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

Title **ADSP-BF561 EZ-KIT LITE  
EXTENDER CARD CONNECTORS**

Size <b>C</b>	Board No. <b>A0185-2003</b>	Rev <b>2.1</b>
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**ANALOG  
DEVICES**

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

Title			ADSP-BF561 EZ-KIT LITE POWER		
Size C	Board No.	A0185-2003			Rev 2.1
Date	7-6-2007_14:37	Sheet	13	of	14

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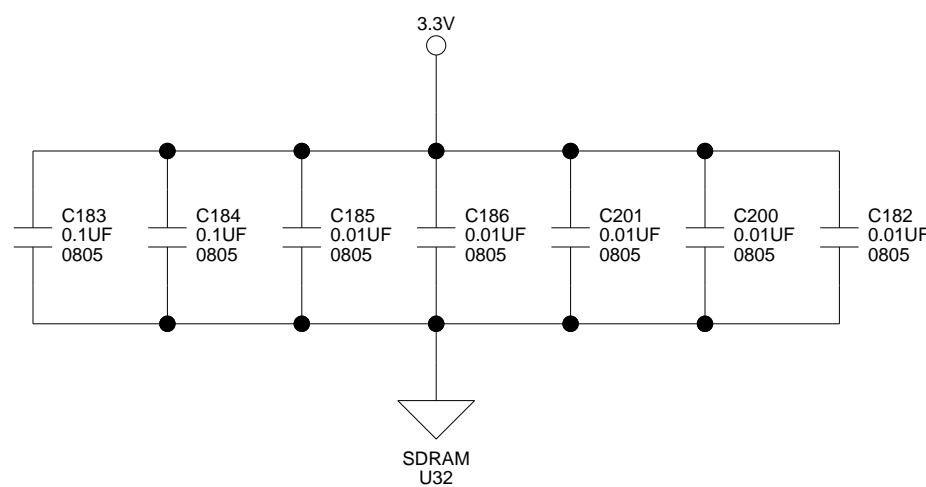
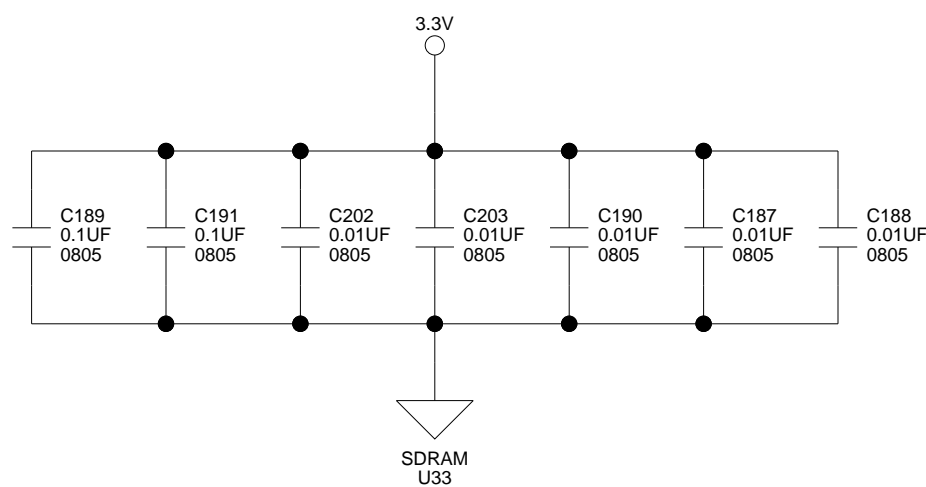
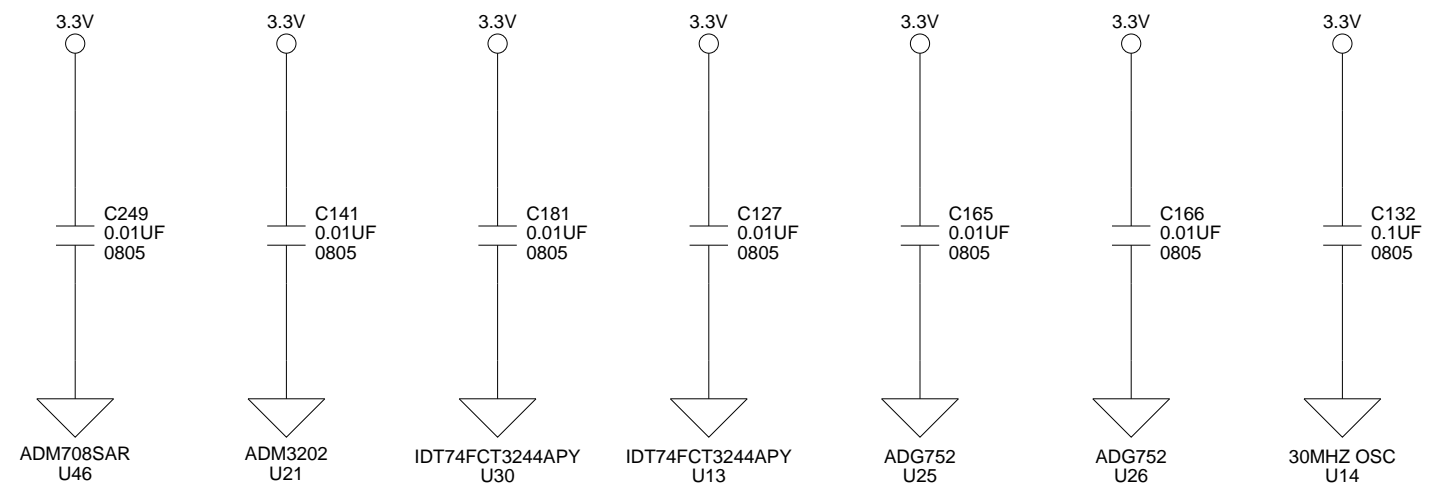
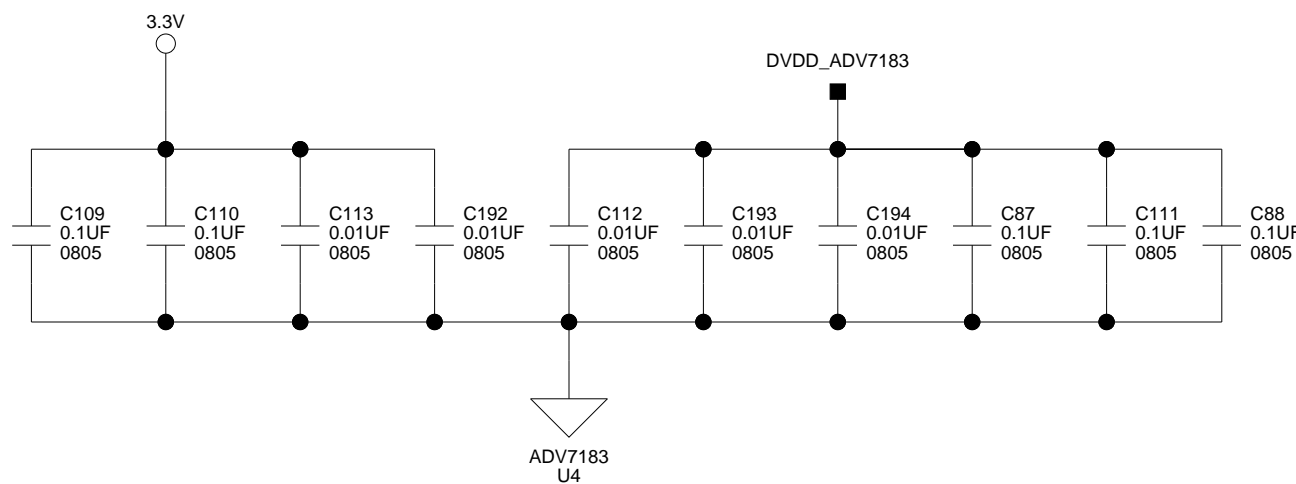
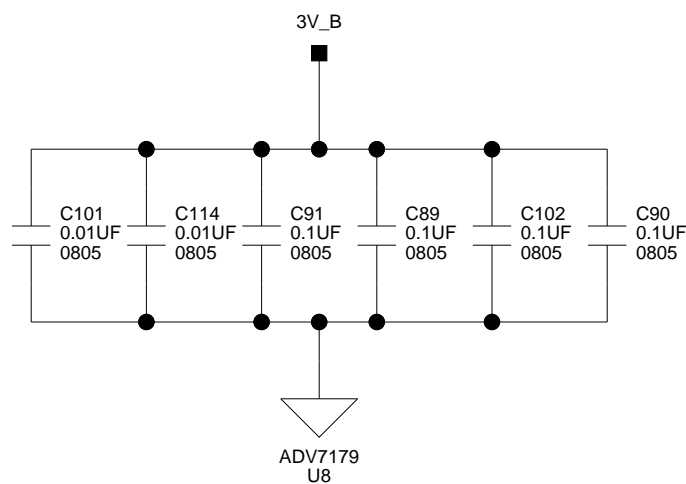
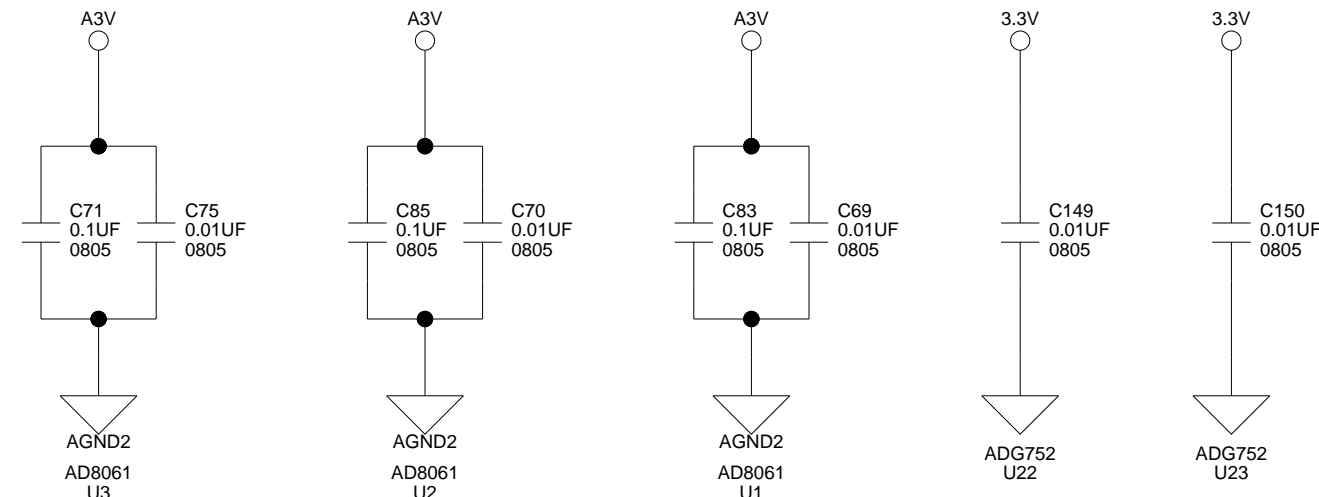
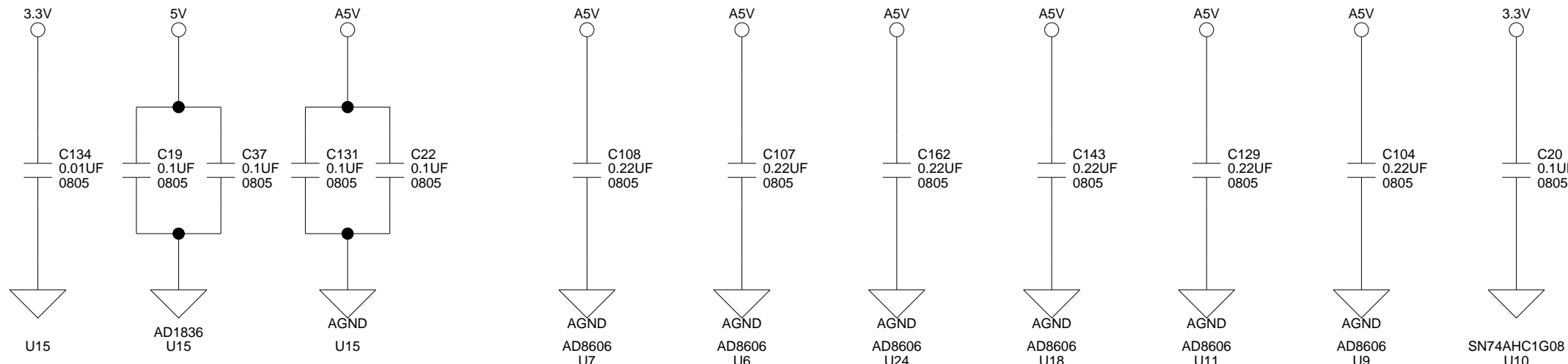
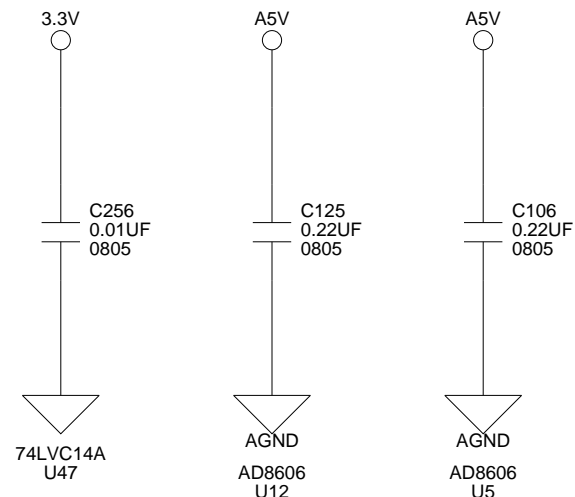
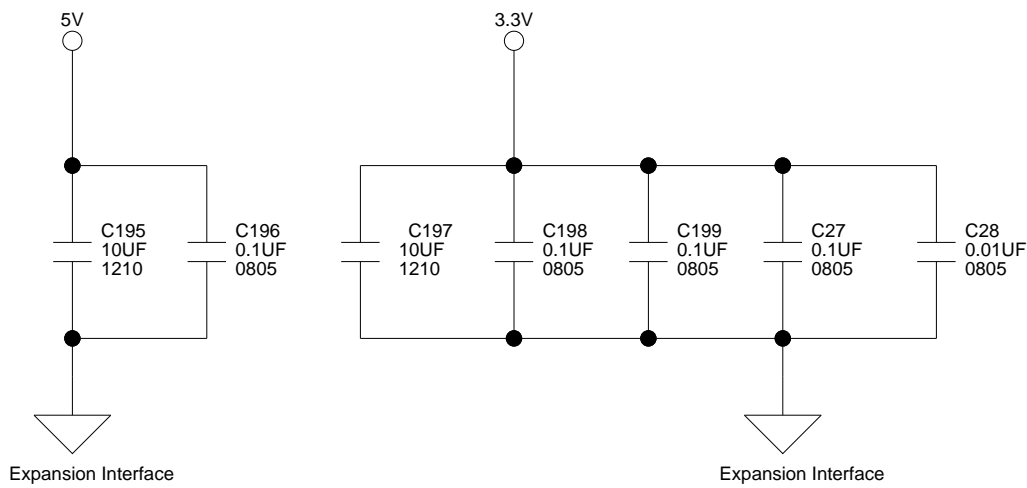
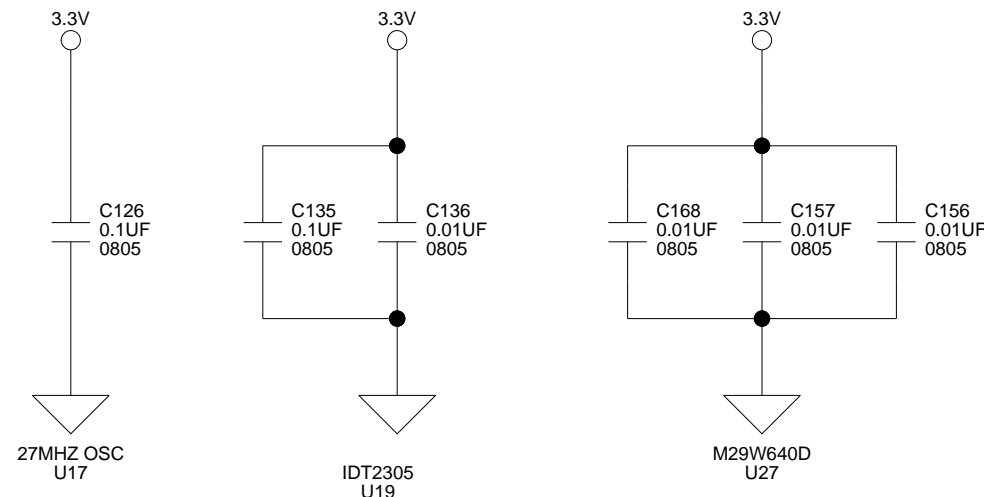
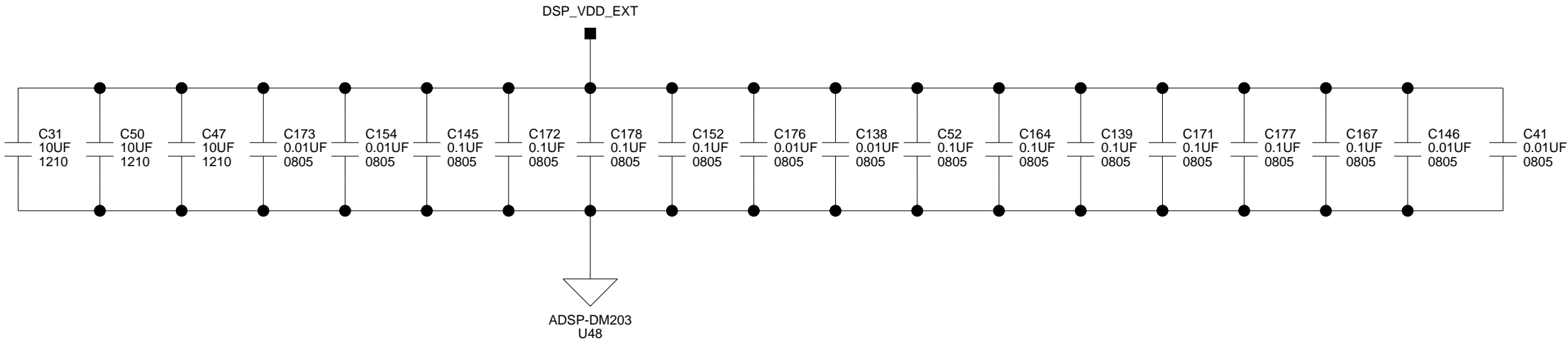
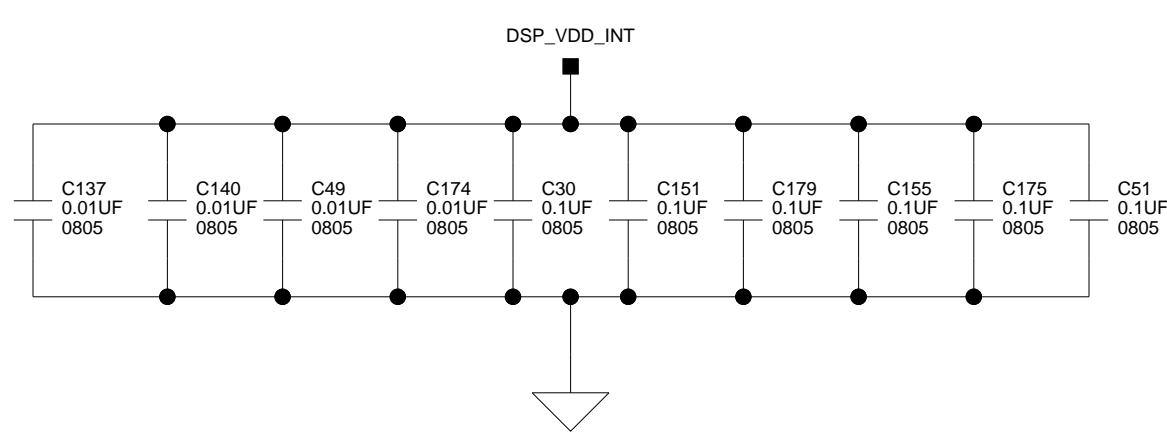
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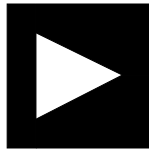
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		<b>ANALOG DEVICES</b>		20 Cotton Road Nashua, NH 03063 PH: 1-800-ANALOGD	
<b>Title</b> ADSP-BF561 EZ-KIT LITE DECOUPLING CAPS					
<b>Size C</b>		<b>Board No.</b> A0185-2003			<b>Rev</b> 2.1
<b>Date</b> 7-6-2007_14:37		<b>Sheet</b> 14 of 14			

A

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