

A

B

C

D

1

1

2

2

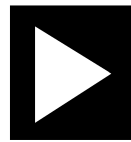
3

3

4

4

HDMI AUDIO EI3 EZ-EXTENDER SCHEMATIC



**ANALOG
DEVICES**

2 Elizabeth Drive
Chelmsford, MA 01824
PH: 1-800-ANALOGD

Title HDMI AUDIO EI3 EZ-EXTENDER
Title

Size C	Board No. A0707-2014	Rev 1.0
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Date 12/4/15	Sheet 1 of 37
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A

B

C

D

1

1

2

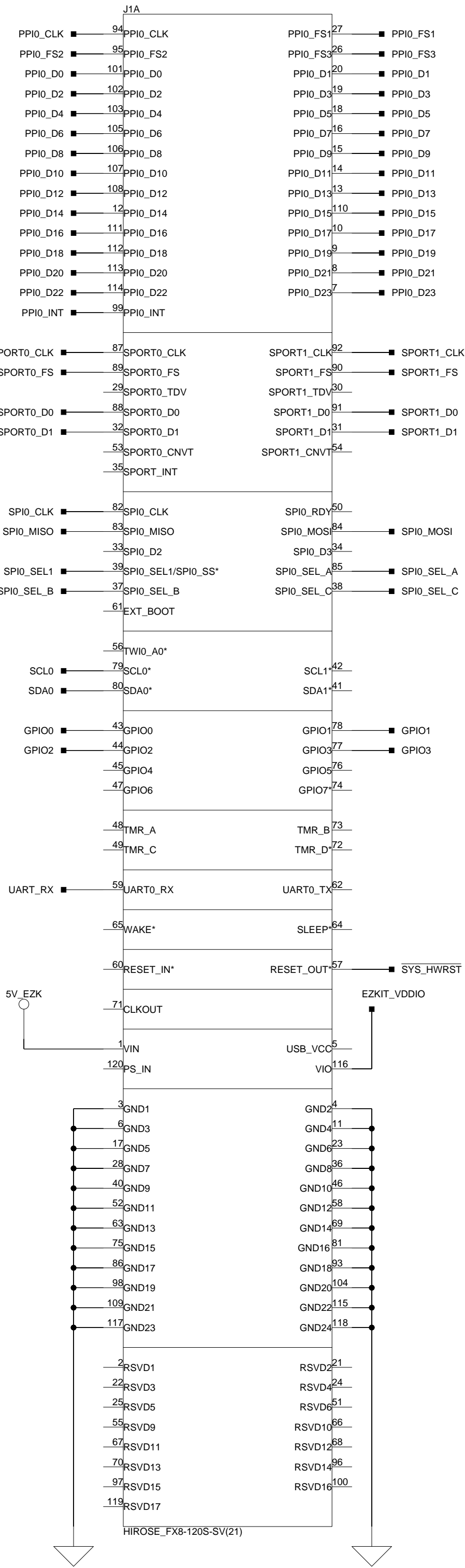
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3

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4



		2 Elizabeth Drive Chelmsford, MA 01824 PH: 1-800-ANALOGD	
Title HDMI AUDIO EI3 EZ-EXTENDER EI3 1A			
Size C	Board No. A0707-2014		Rev 1.0
Date	12/4/15	Sheet 2	of 37

1

2

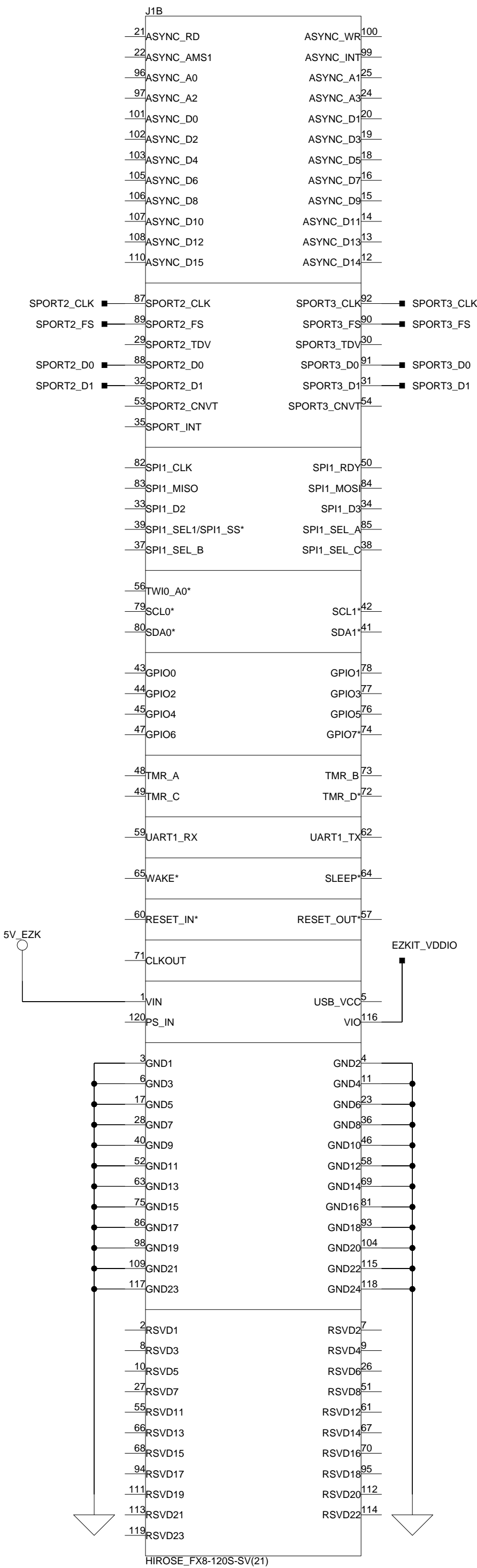
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4

B

C

D



1

2

3

4

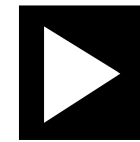
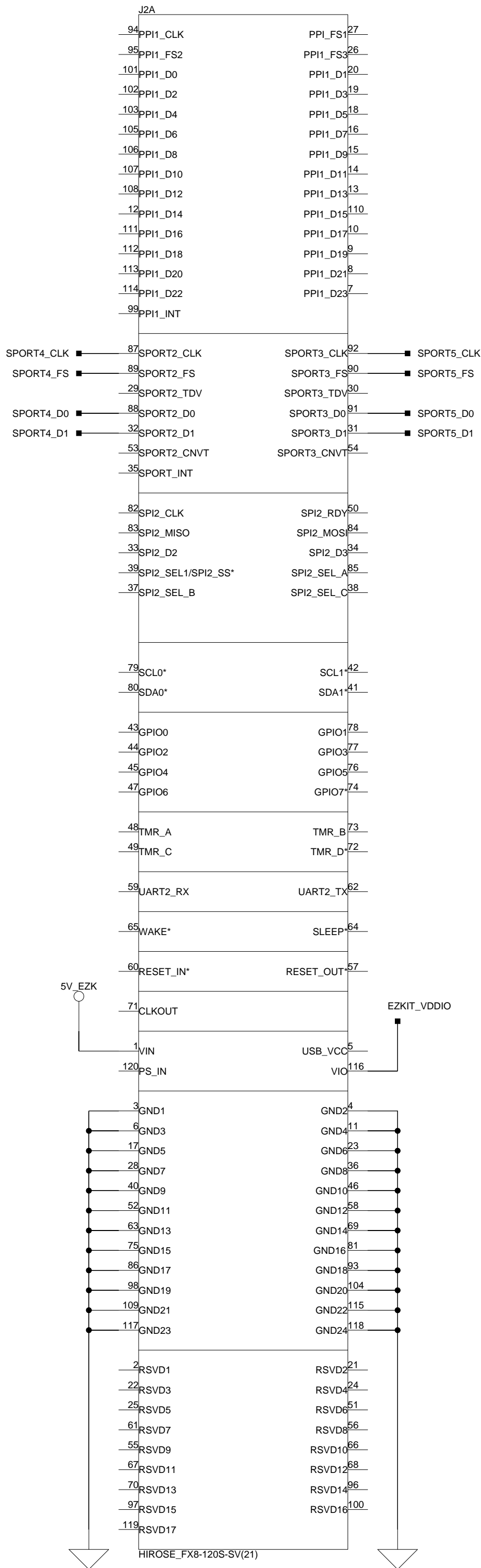
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TitleHDMI AUDIO EI3 EZ-EXTENDER EI3 1B 1C		
Size C	Board No. A0707-2014	Rev 1.0
Date	12/4/15	Sheet 3 of 37

A

B

C

D



**ANALOG
DEVICES**

2 Elizabeth Drive
Chelmsford, MA 01824
PH: 1-800-ANALOGD

Title **HDMI AUDIO EI3 EZ-EXTENDER
EI3 2A**

Size
C

Board No.

A0707-2014

Rev
1.0

Date

12/4/15

Sheet 4

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A

B

C

D

A

B

C

D

1

1

2

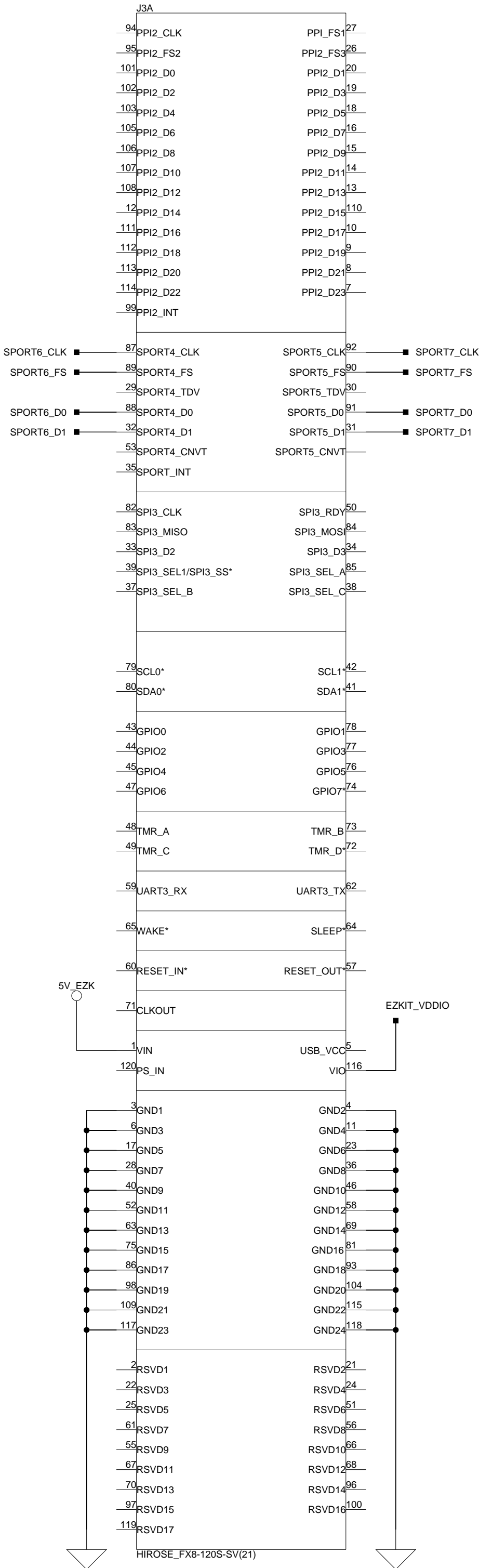
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3

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4

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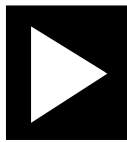


A

B

C

D



**ANALOG
DEVICES**

2 Elizabeth Drive
Chelmsford, MA 01824
PH: 1-800-ANALOGD

Title **HDMI AUDIO EI3 EZ-EXTENDER
EI3 3A**

Size
C

Board No.

A0707-2014

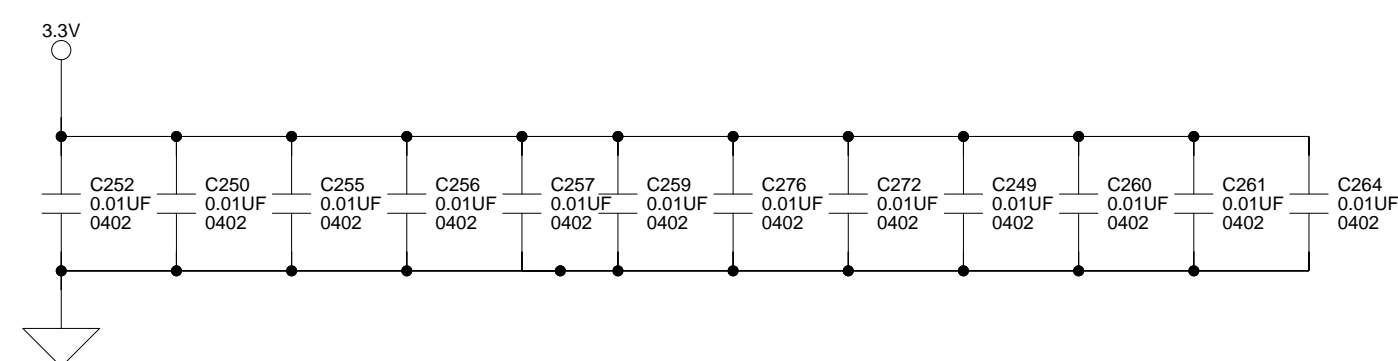
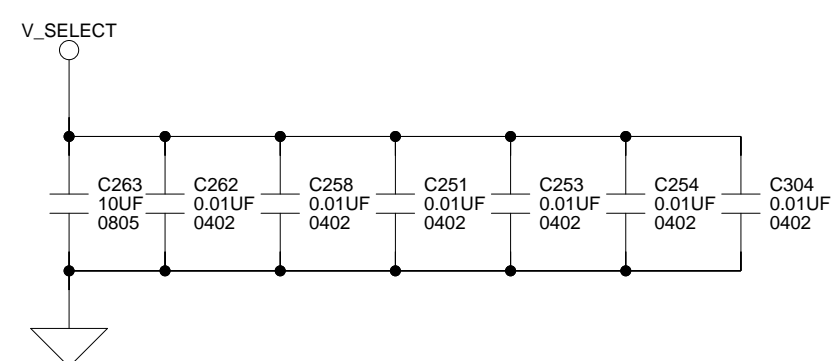
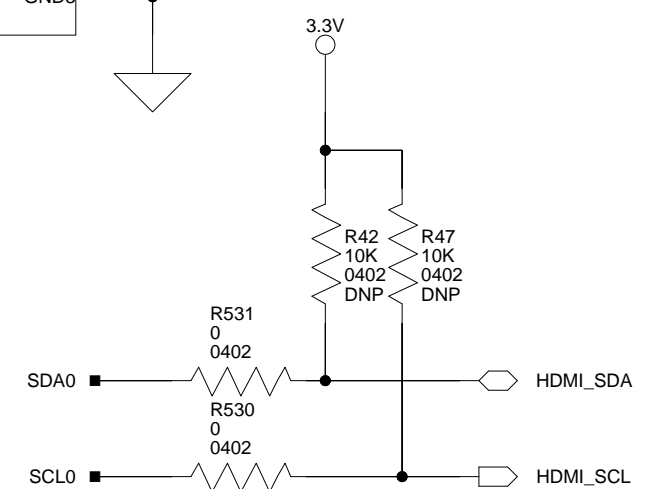
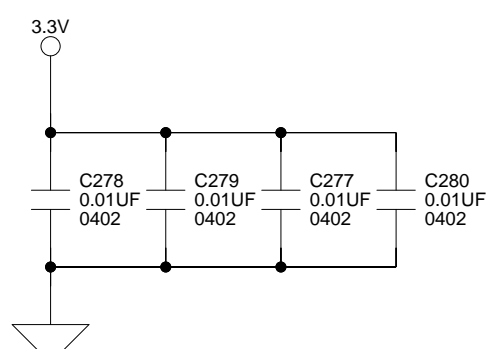
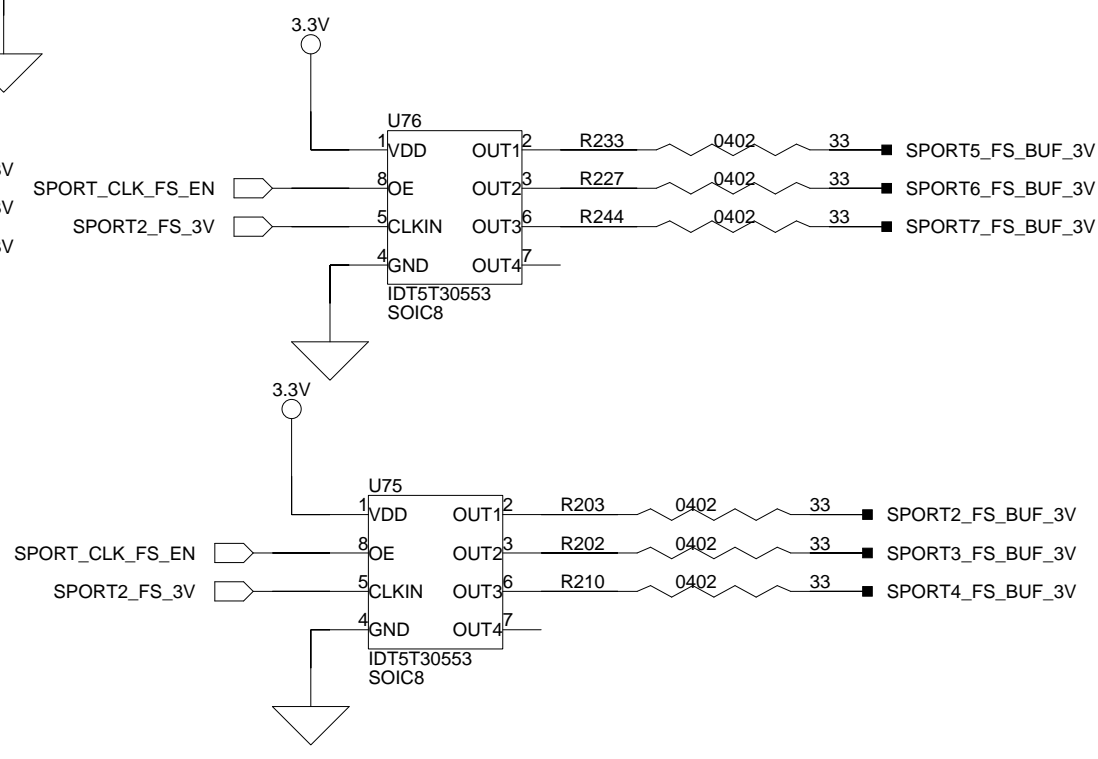
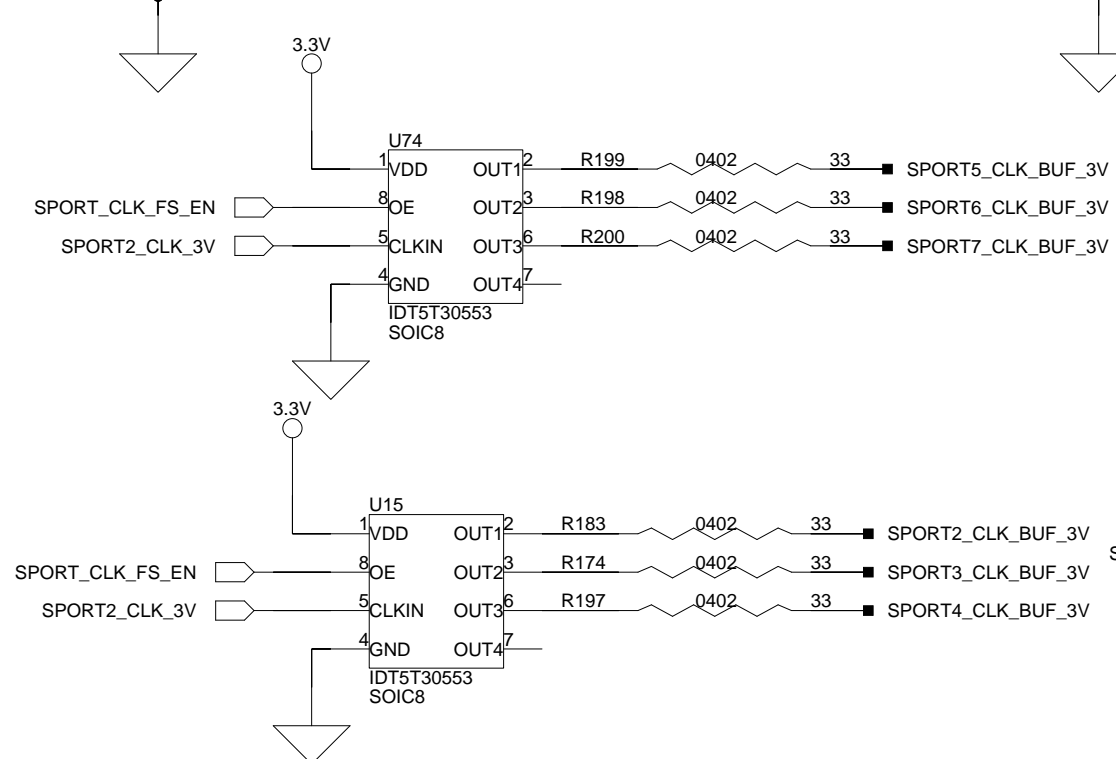
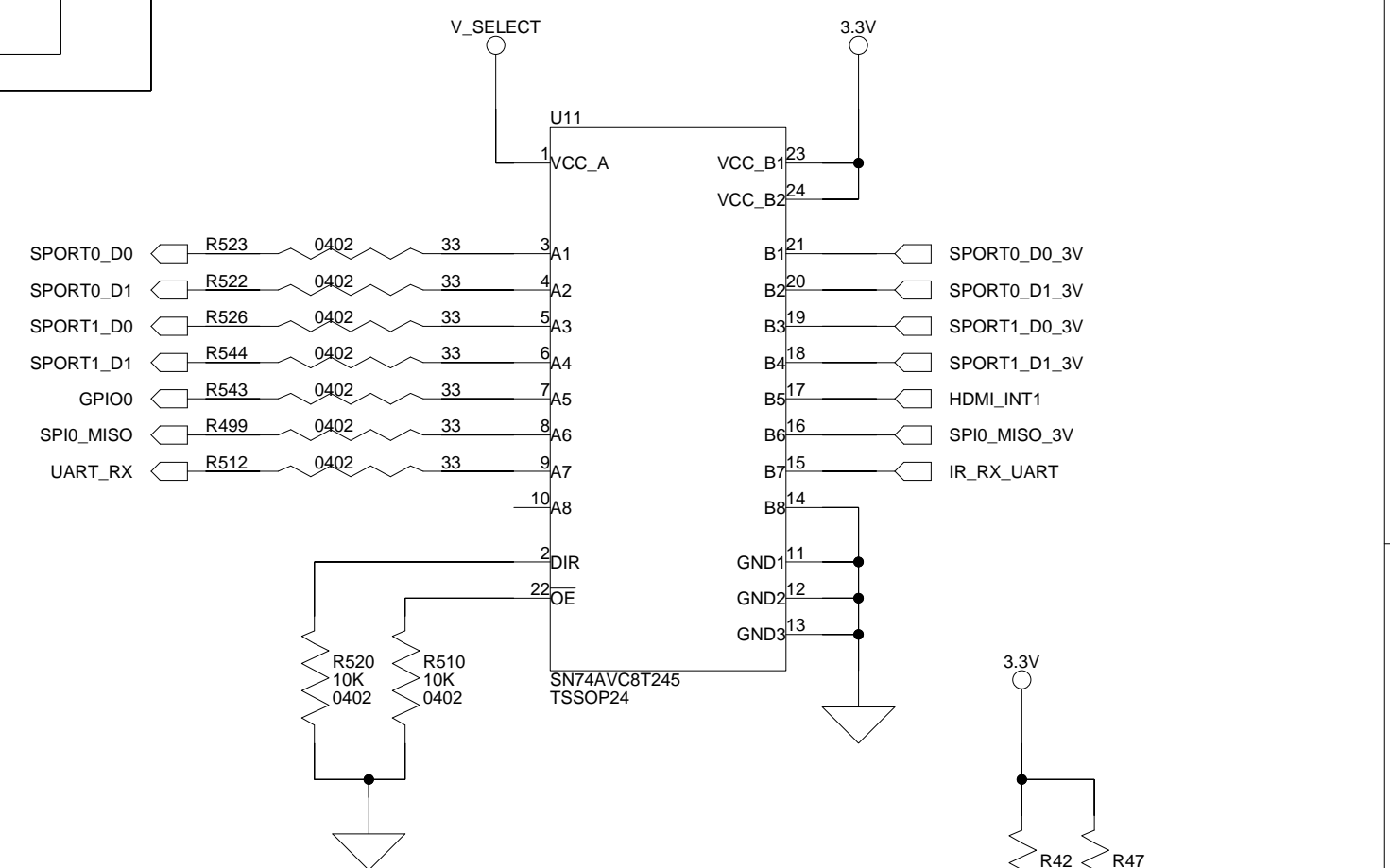
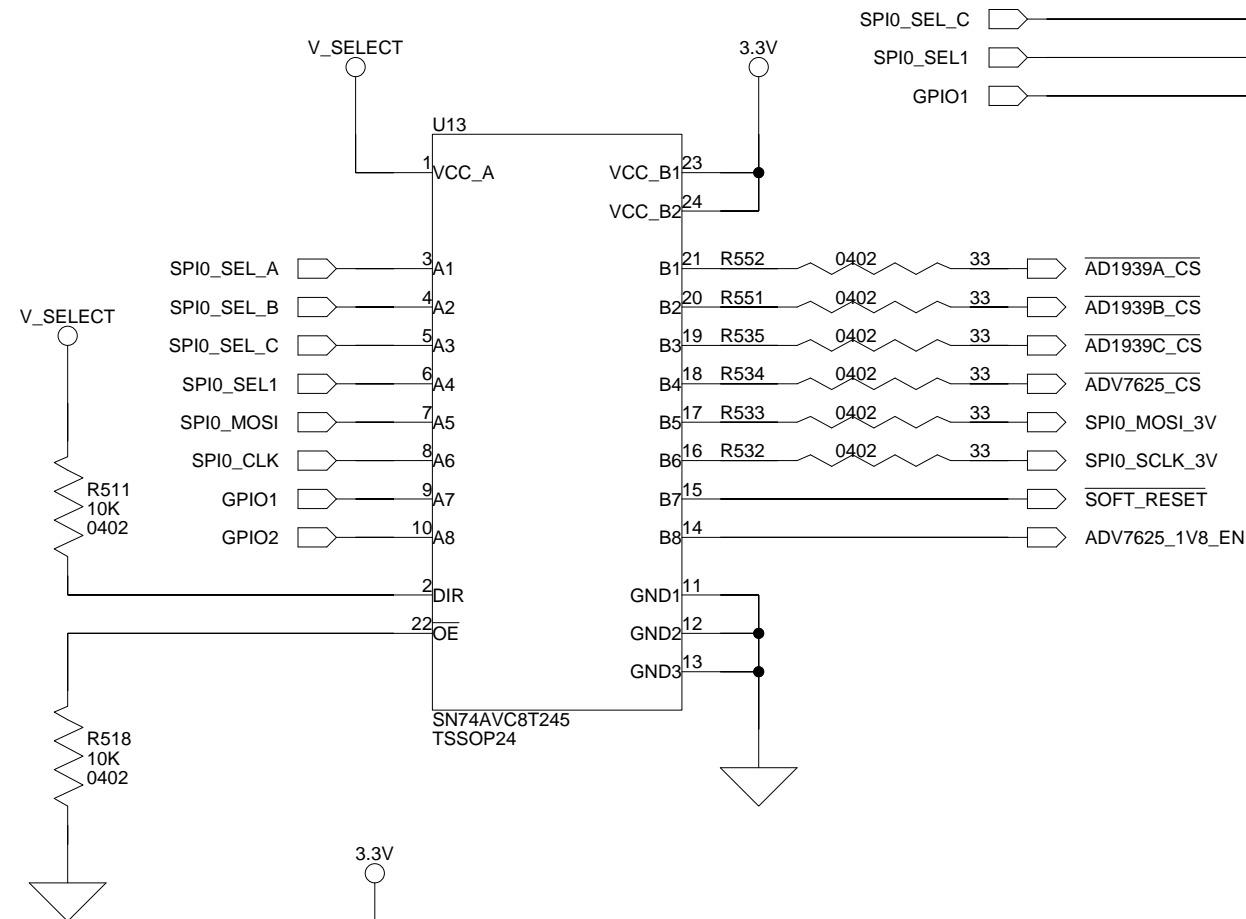
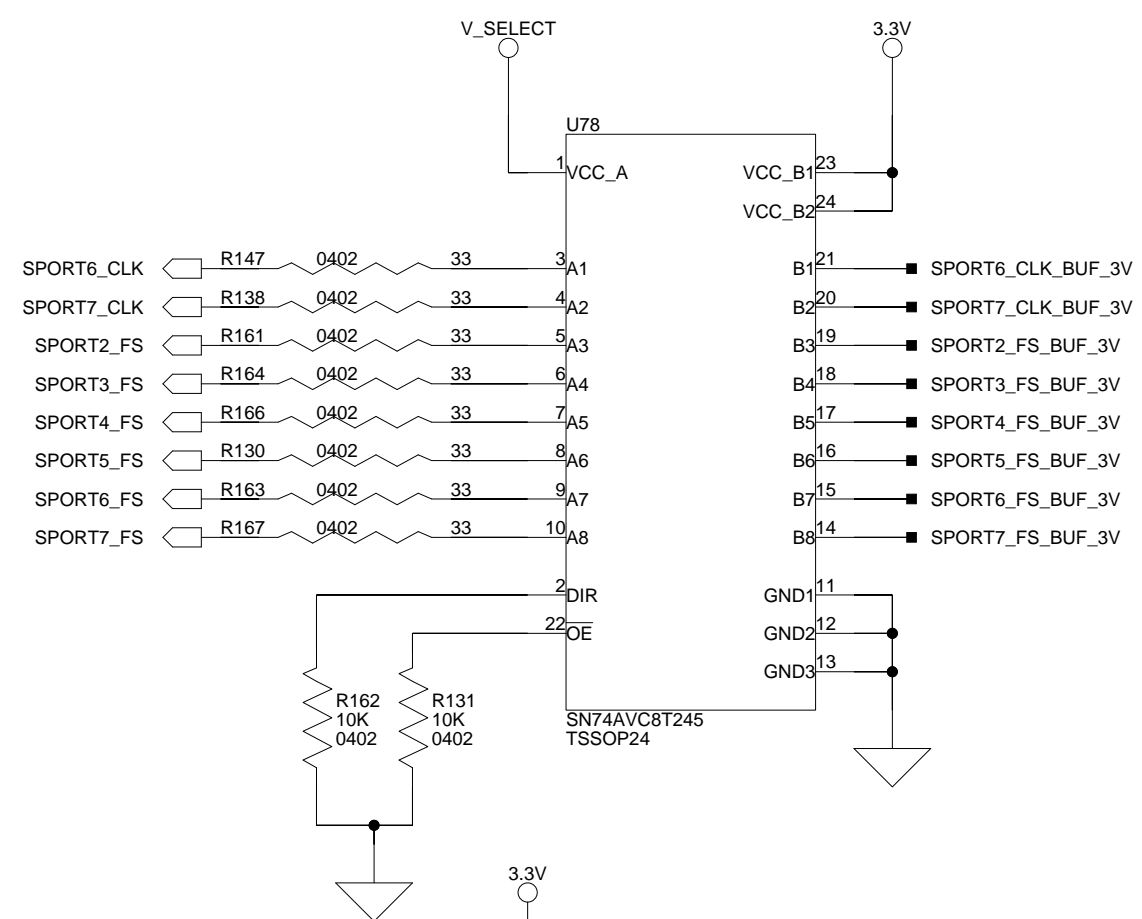
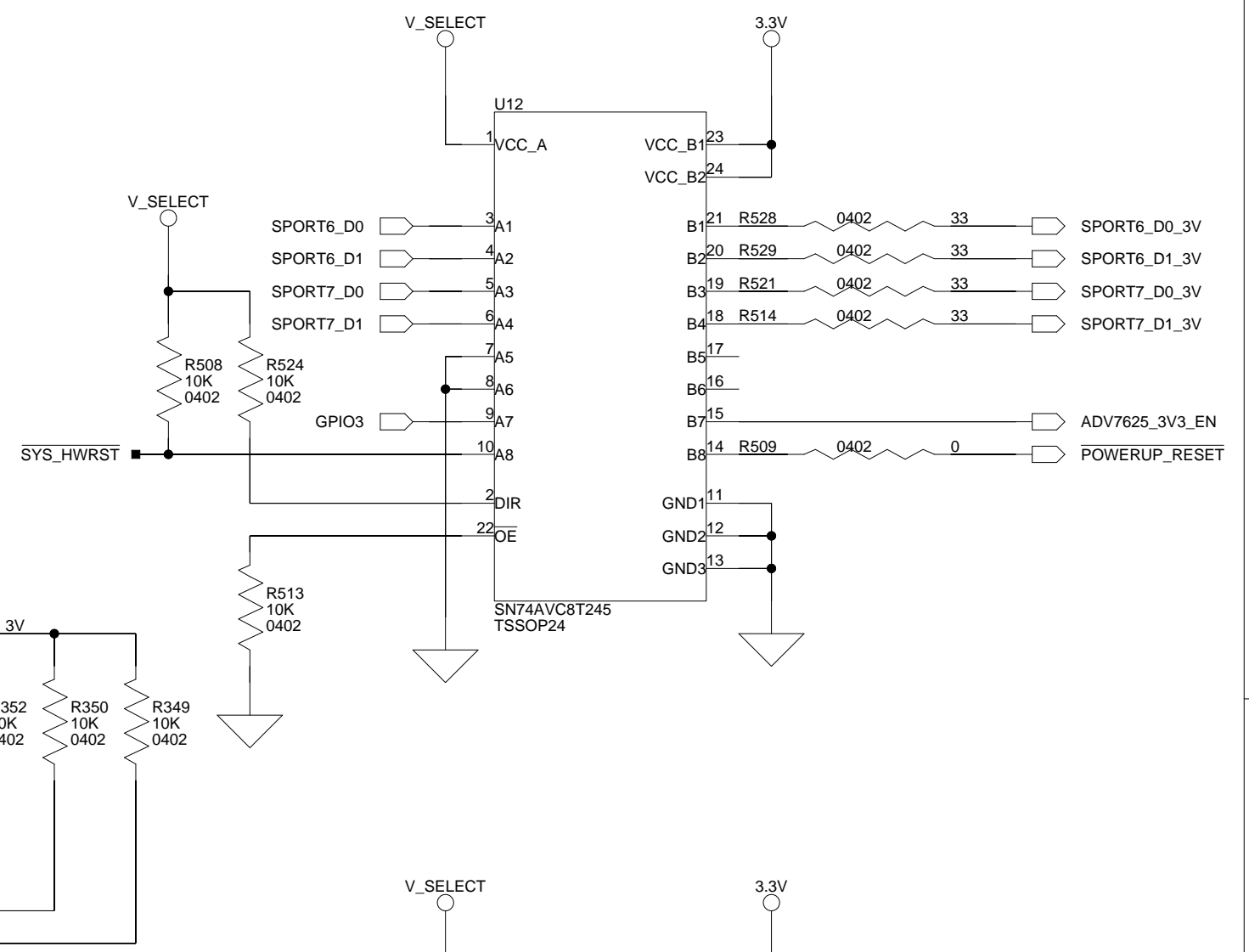
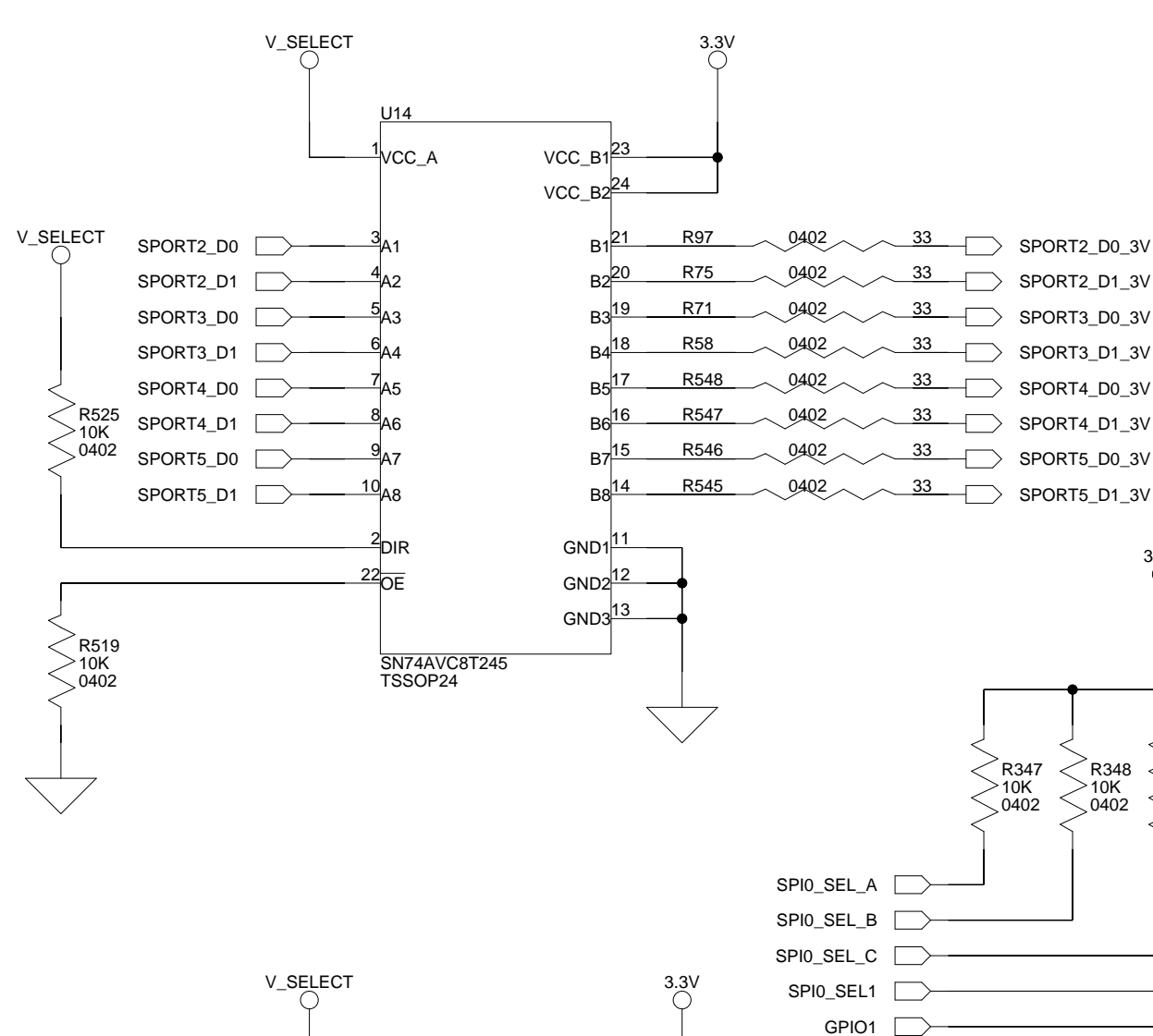
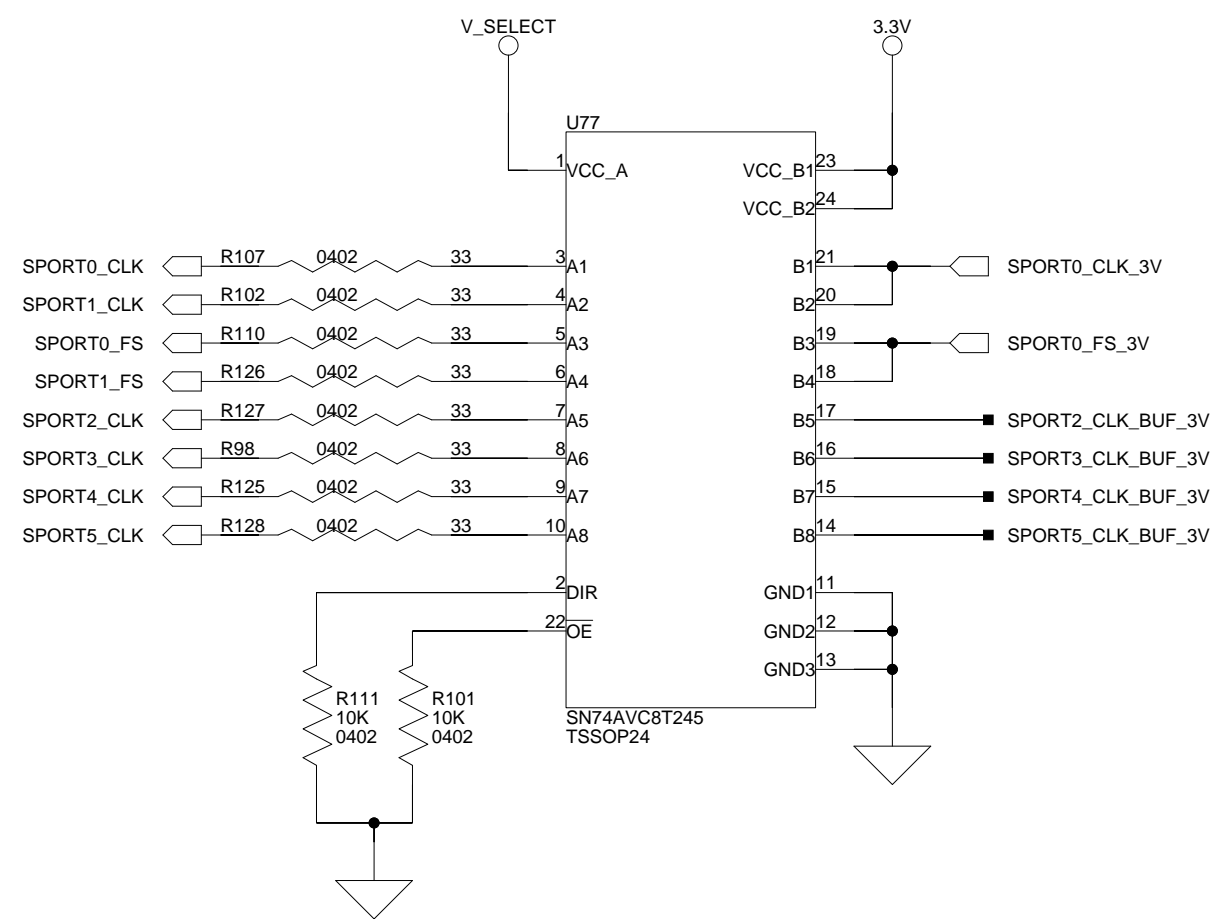
Rev
1.0


Date

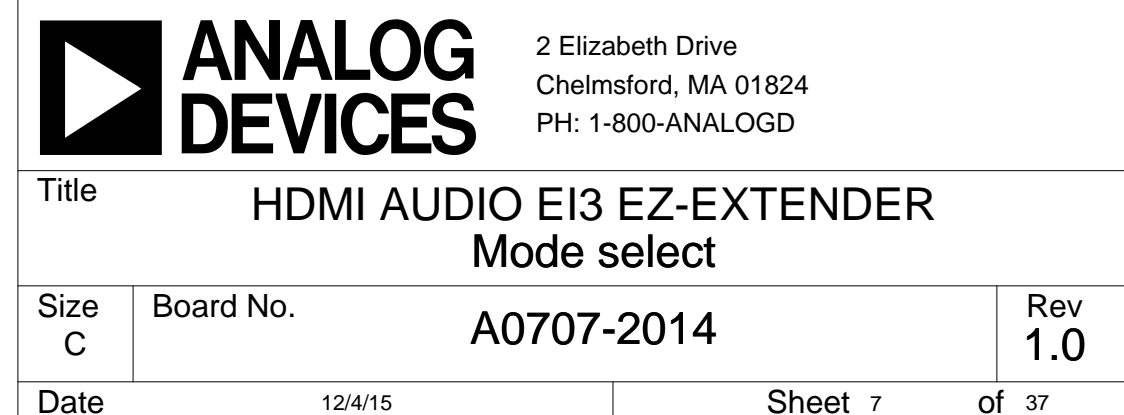
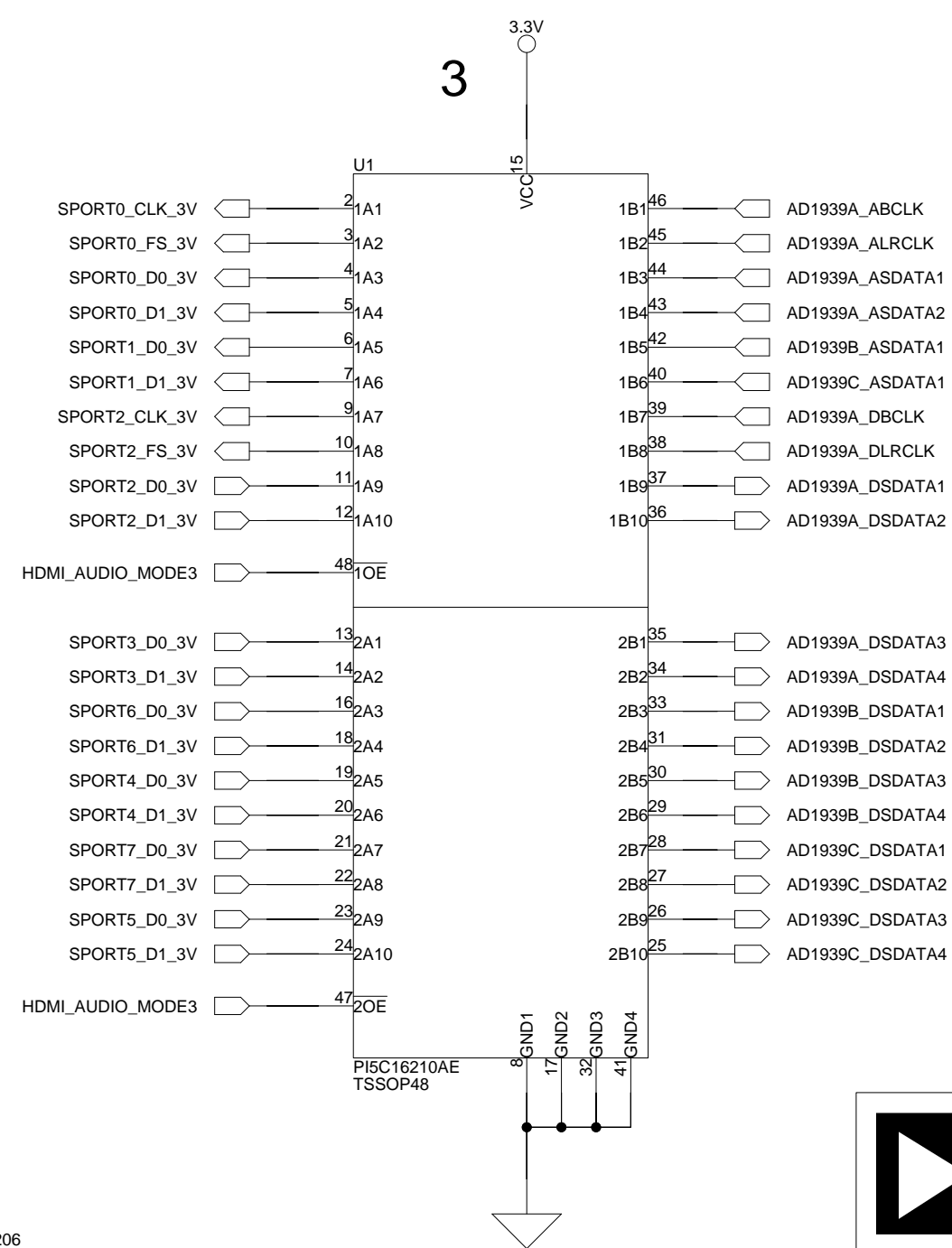
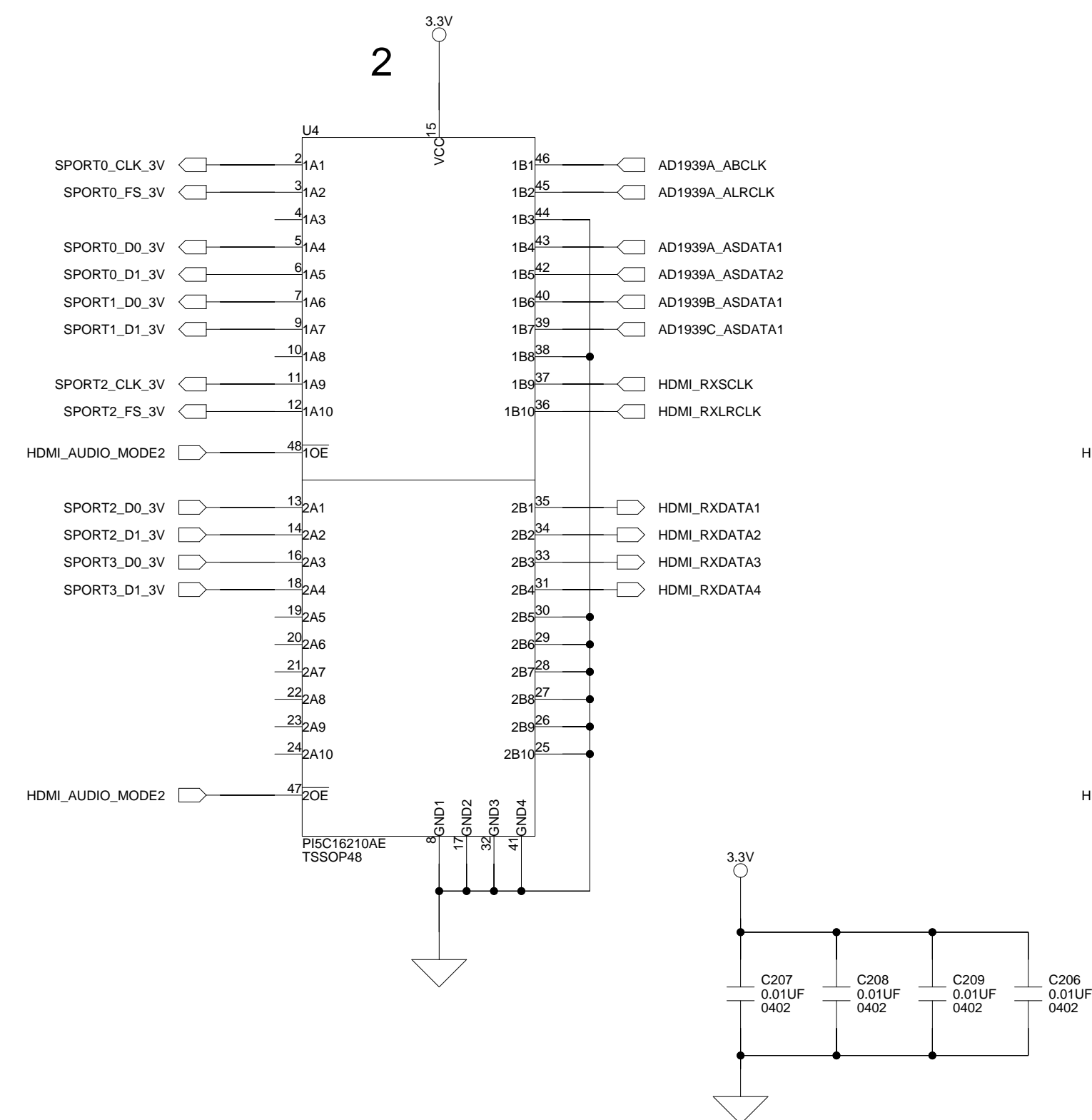
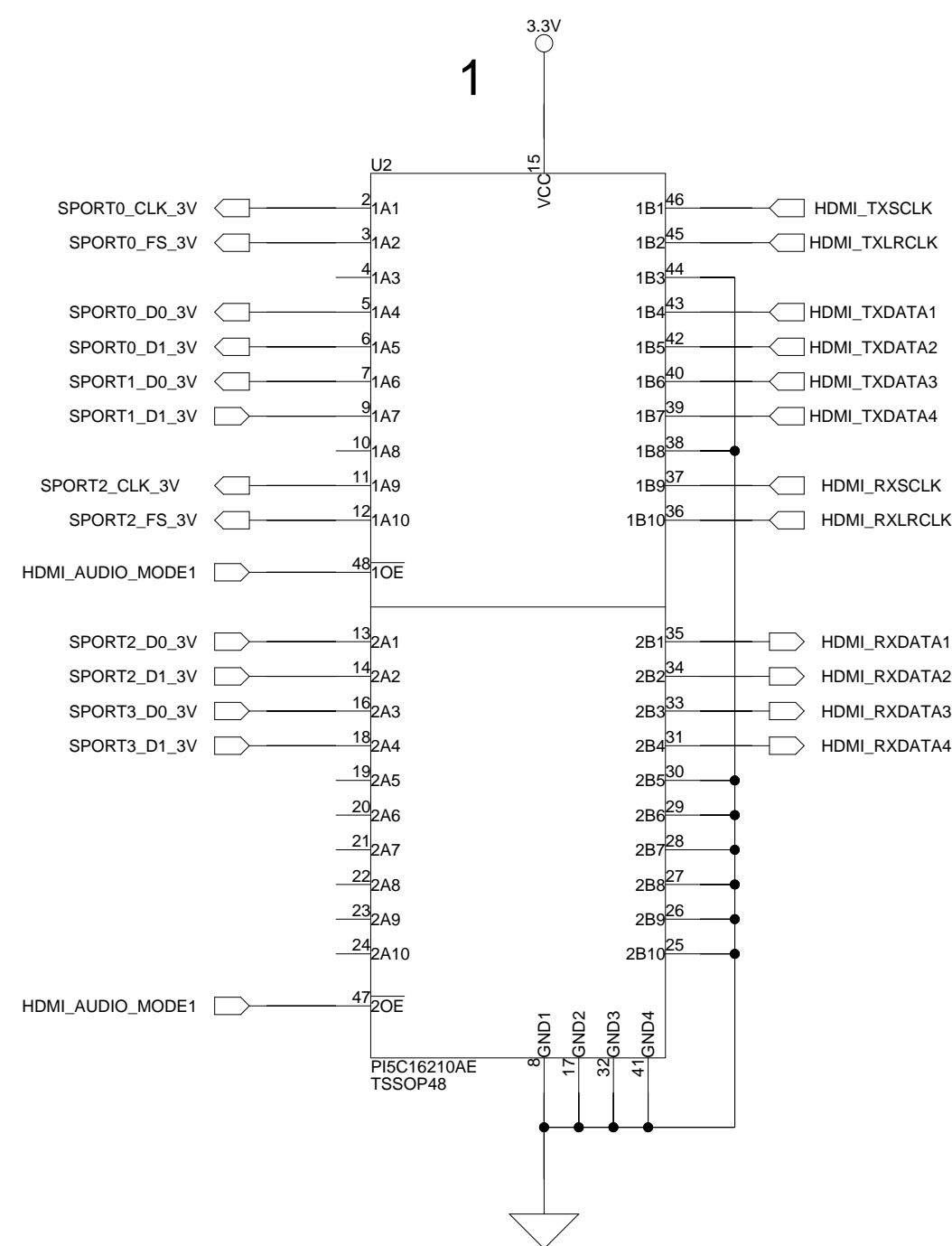
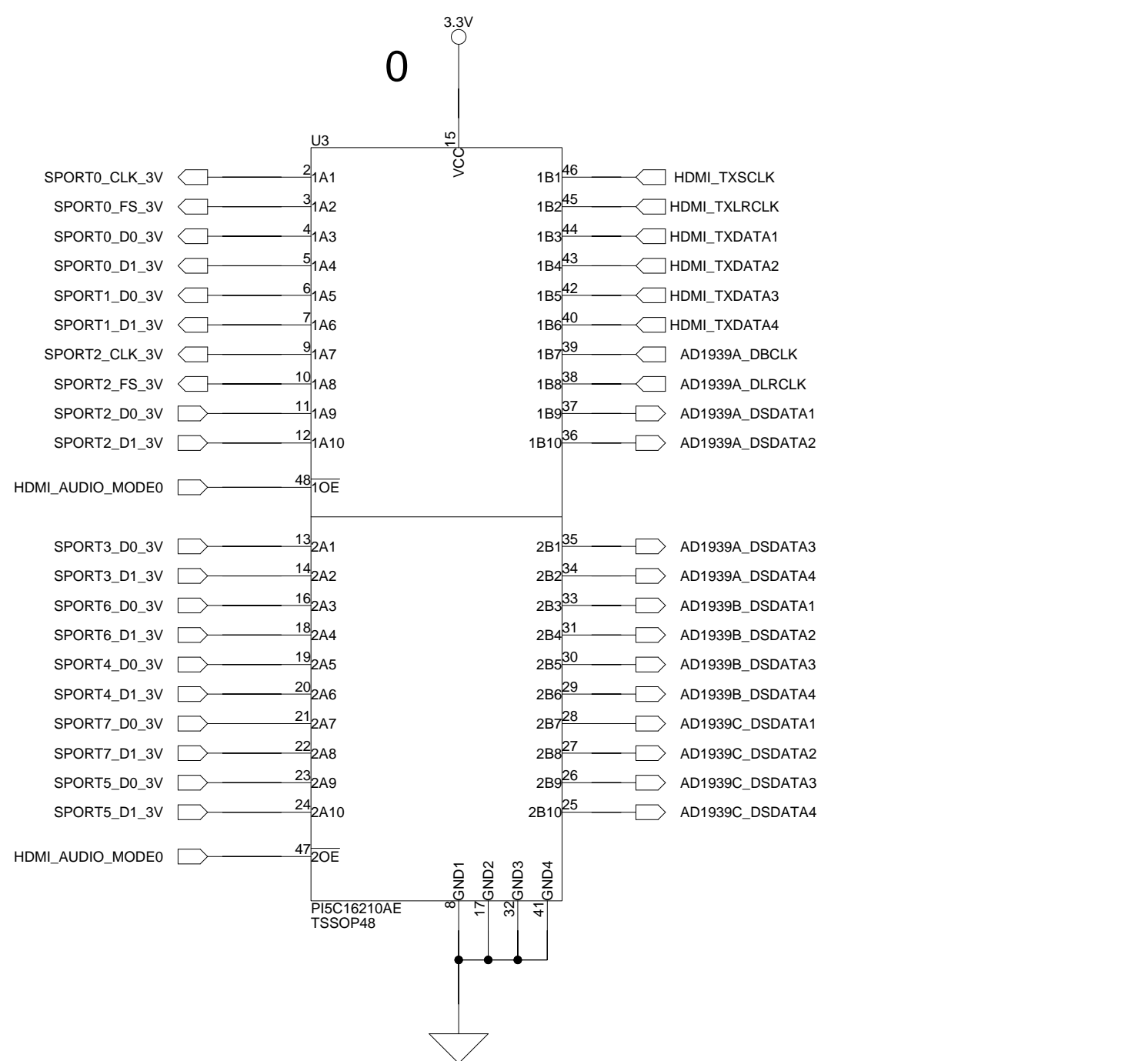
12/4/15

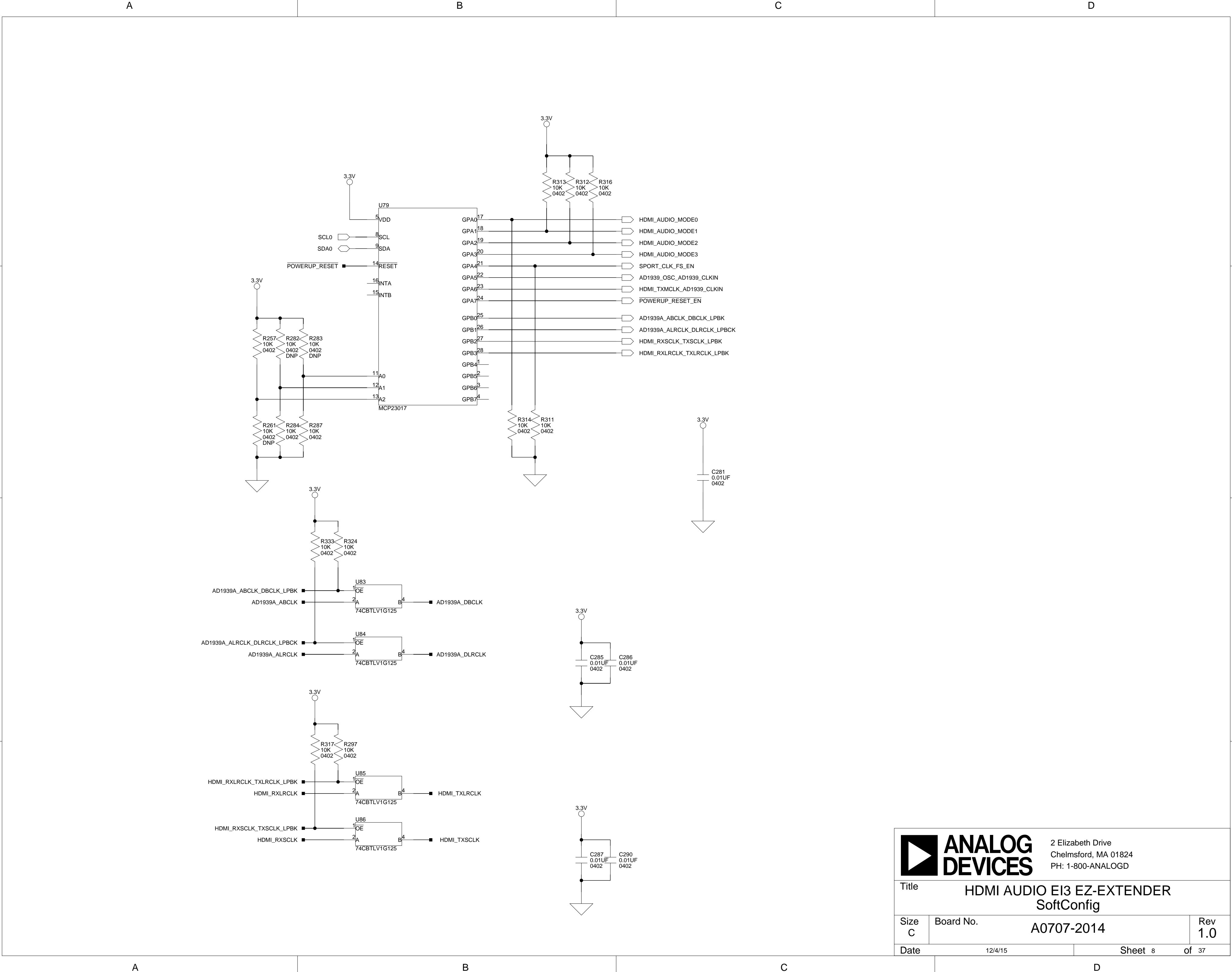
Sheet 5

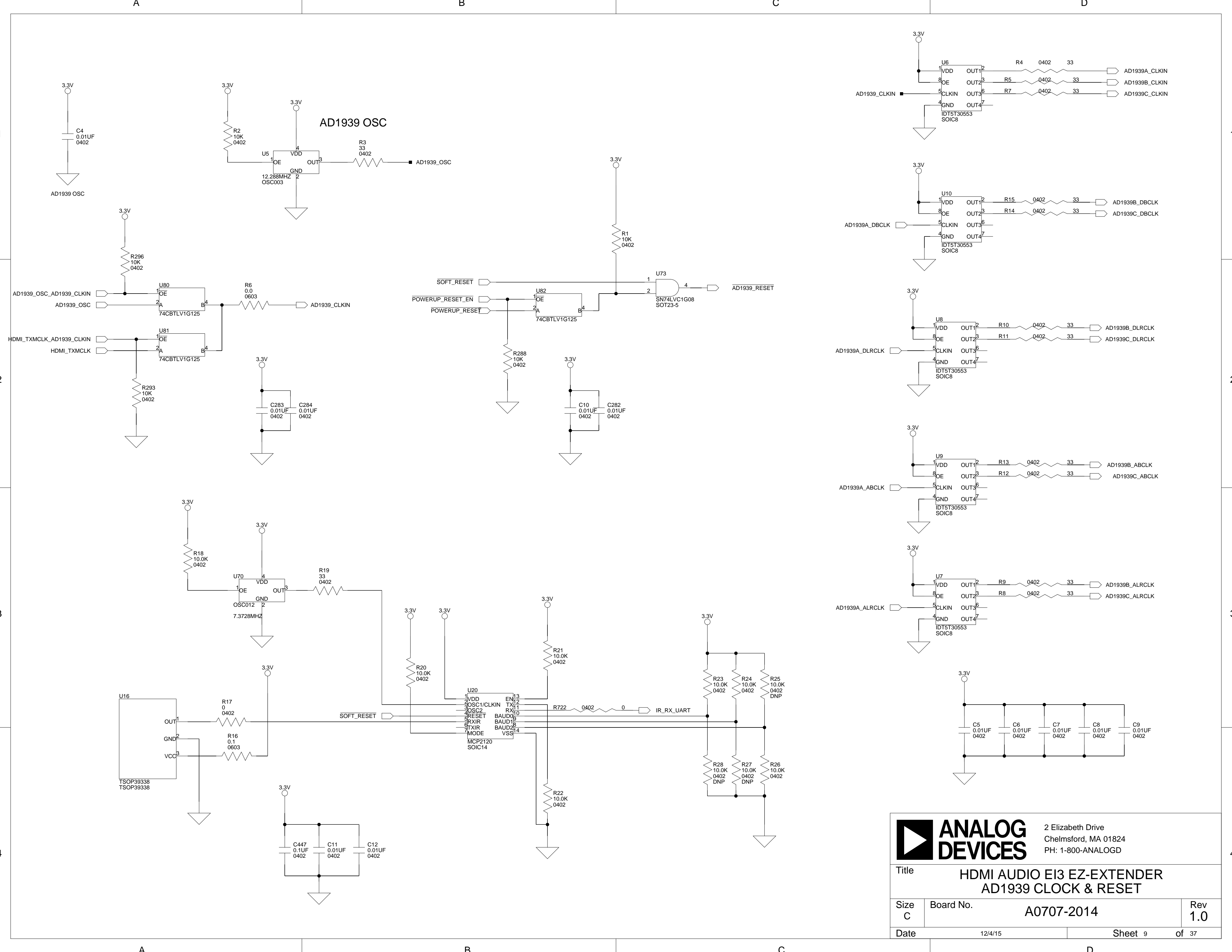
of 37



 ANALOG DEVICES		2 Elizabeth Drive Chelmsford, MA 01824 PH: 1-800-ANALOGD	
Title			
HDMI AUDIO EI3 EZ-EXTENDER Voltage buffers			
Size C	Board No.	A0707-2014	Rev 1.0
Date	12/4/15	Sheet 6	of 37

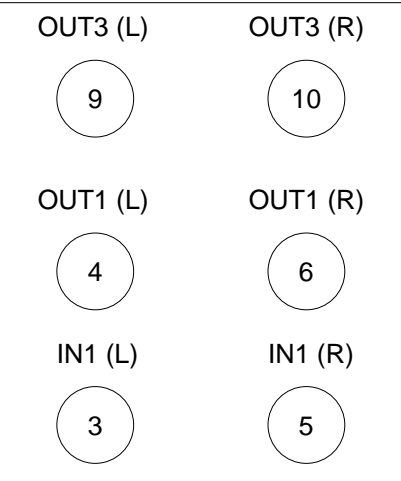






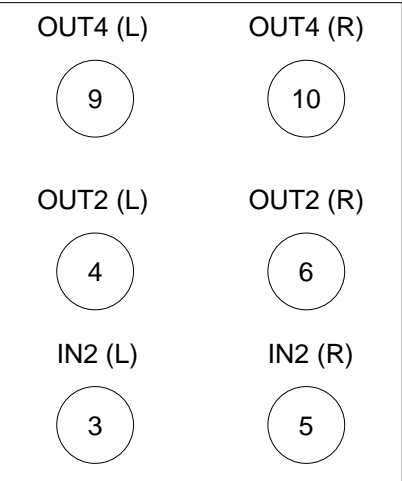
J2

WHITE (LEFT) RED (RIGHT)



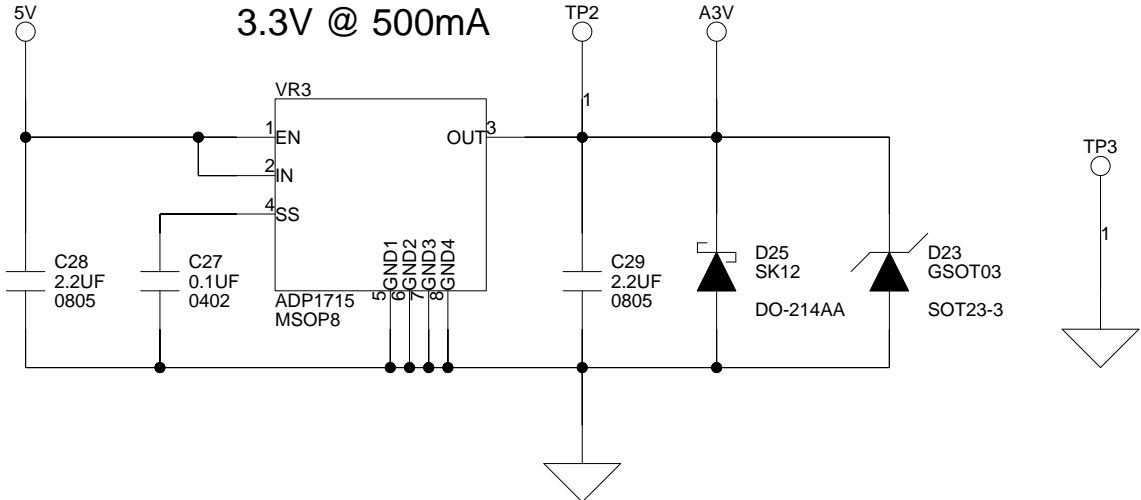
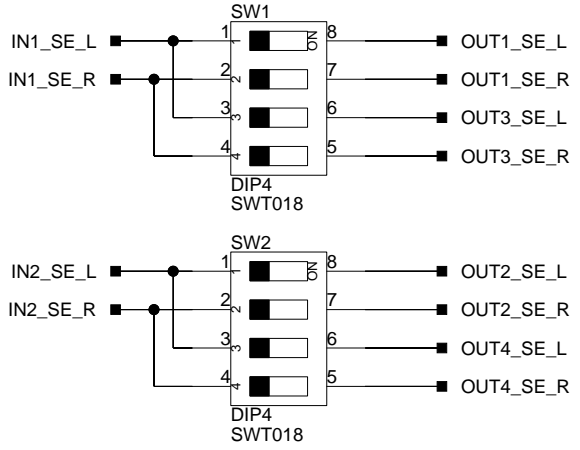
J3

WHITE (LEFT) RED (RIGHT)



NOTE: THE NUMBER INSIDE EACH OF THE CIRCLES IS THE ACTUAL PIN NUMBER FOR THE RESPECTIVE CONNECTOR.

LOOPBACK CONNECTOR
FOR TESTING PURPOSES ONLY
DEFAULT: ALL OFF



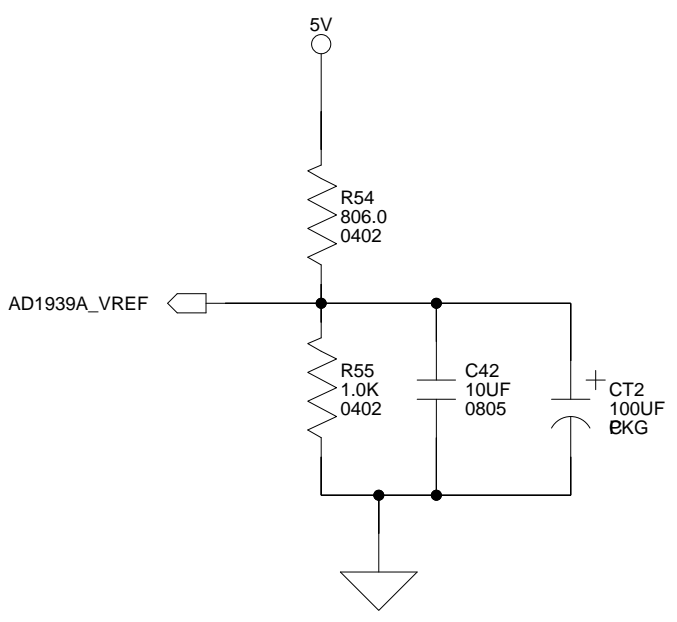
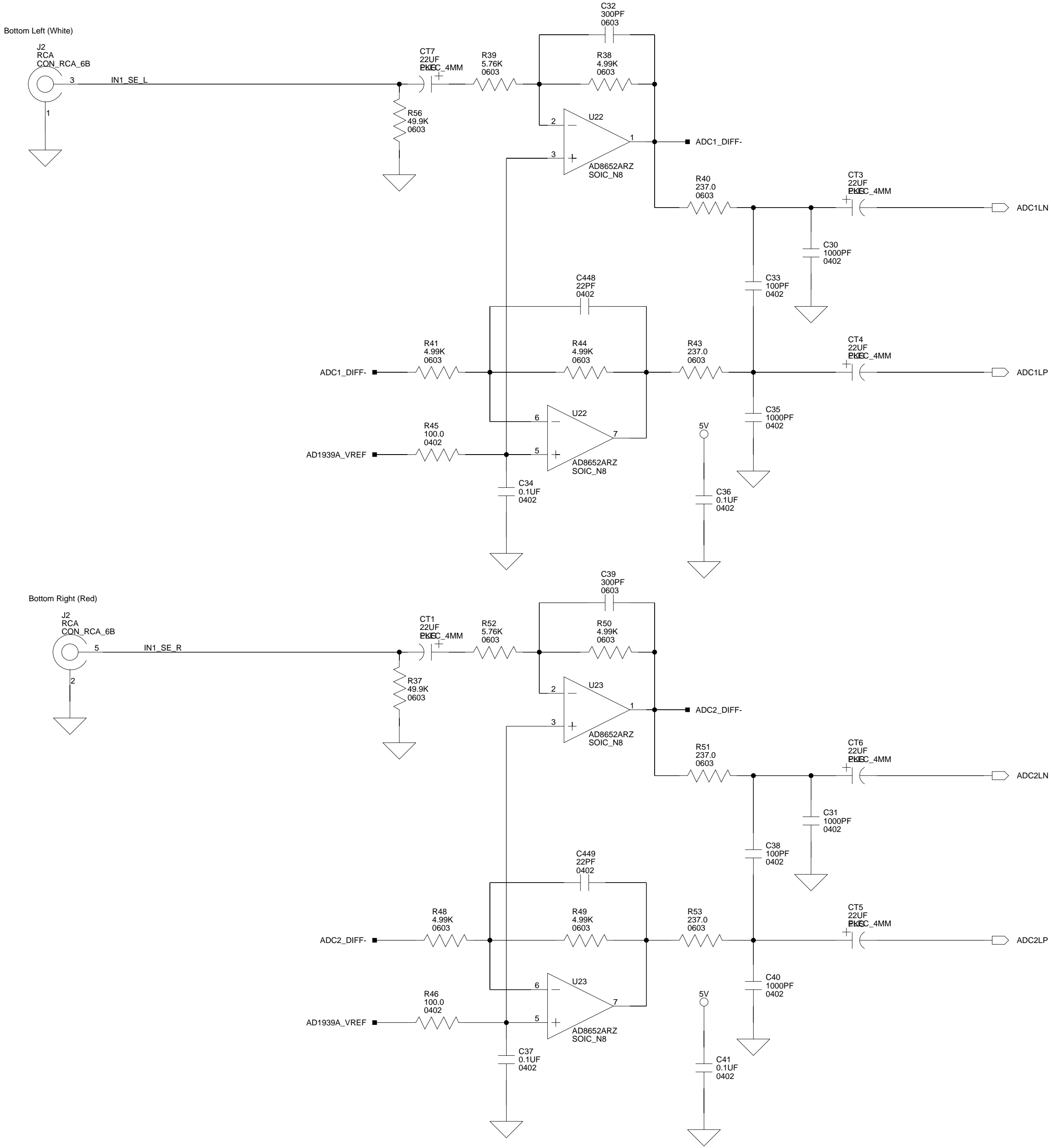
2 Elizabeth Drive
Chelmsford, MA 01824
PH: 1-800-ANALOGD


Title HDMI AUDIO EI3 EZ-EXTENDER
AD1939 CODEC A

Size C	Board No. A0707-2014	Rev 1.0
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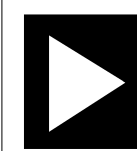
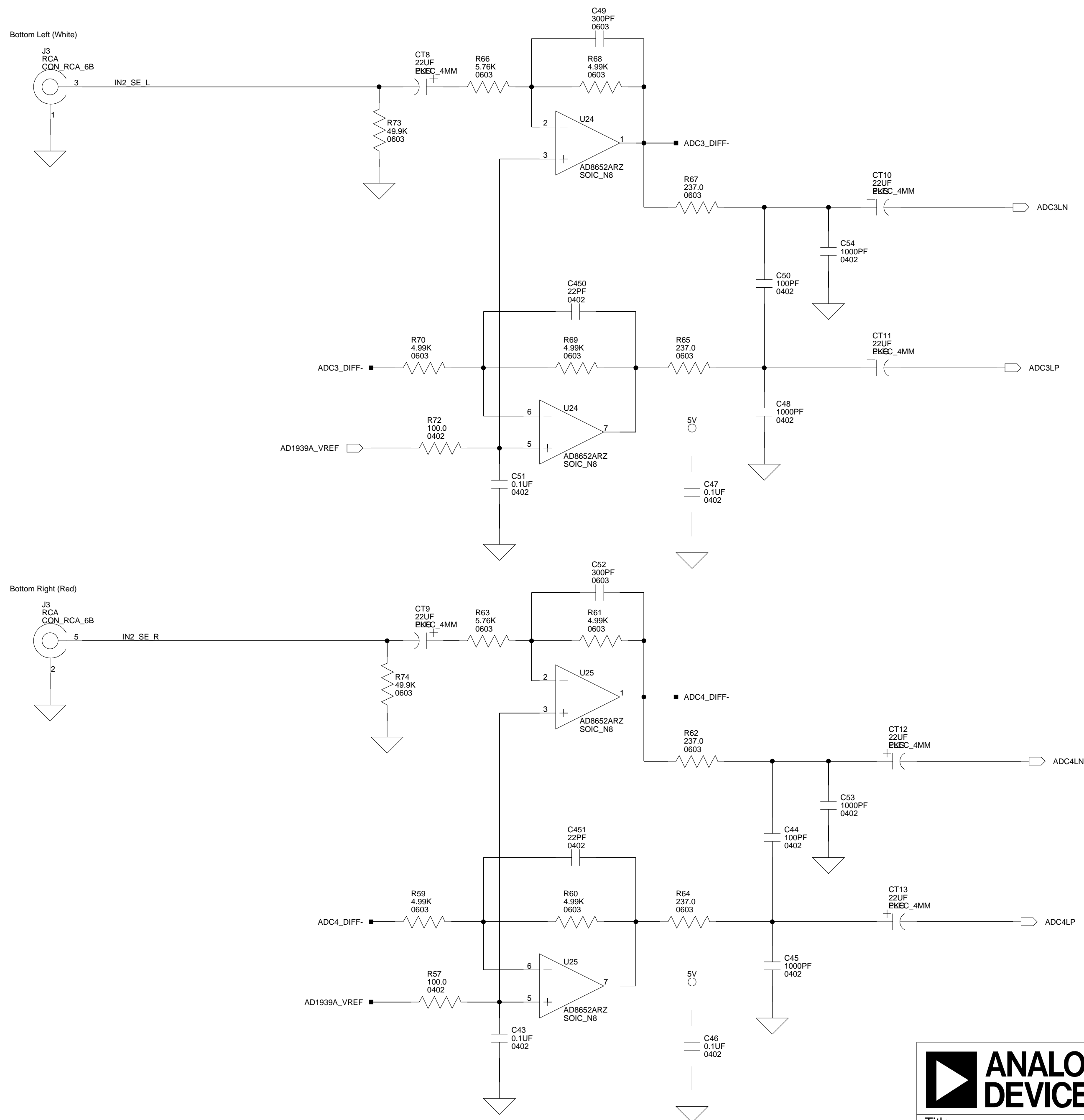
Date 12/4/15	Sheet 10 of 37
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IN1



		2 Elizabeth Drive Chelmsford, MA 01824 PH: 1-800-ANALOGD	
Title HDMI AUDIO EI3 EZ-EXTENDER IN1 VIA AD1939A			
Size C	Board No. A0707-2014		Rev 1.0
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IN2



**ANALOG
DEVICES**

2 Elizabeth Drive
Chelmsford, MA 01824
PH: 1-800-ANALOGD

Title **HDMI AUDIO EI3 EZ-EXTENDER
IN2 VIA AD1939A**

Size
C

Board No.

A0707-2014

Rev
1.0

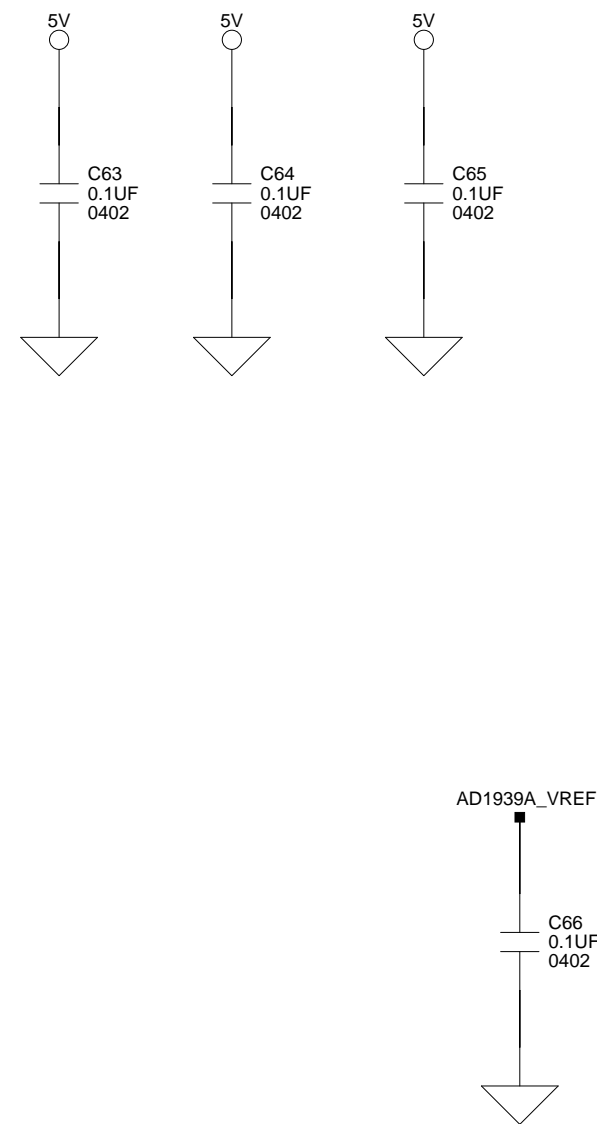
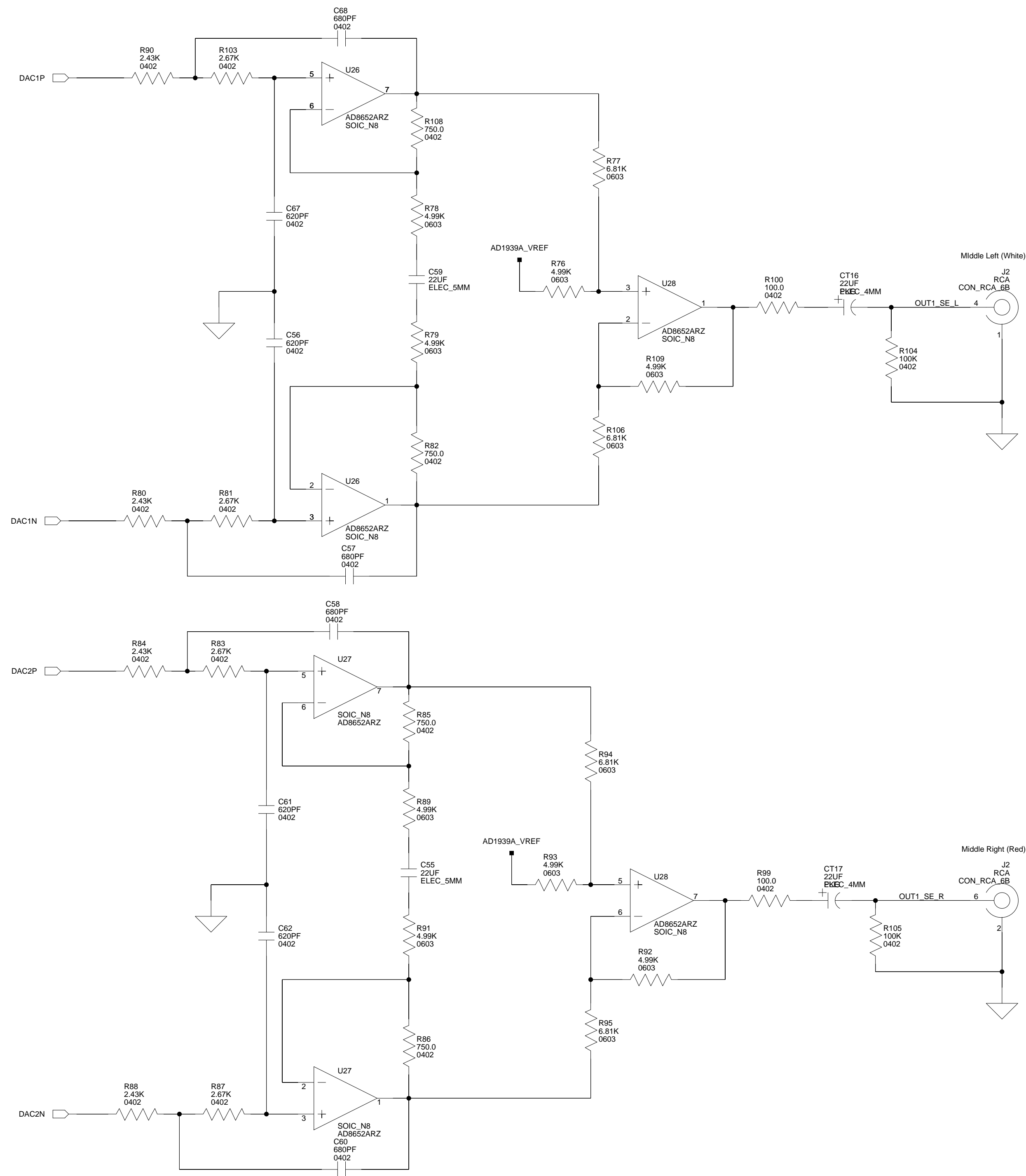
Date

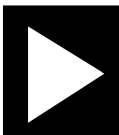
12/4/15

Sheet 12

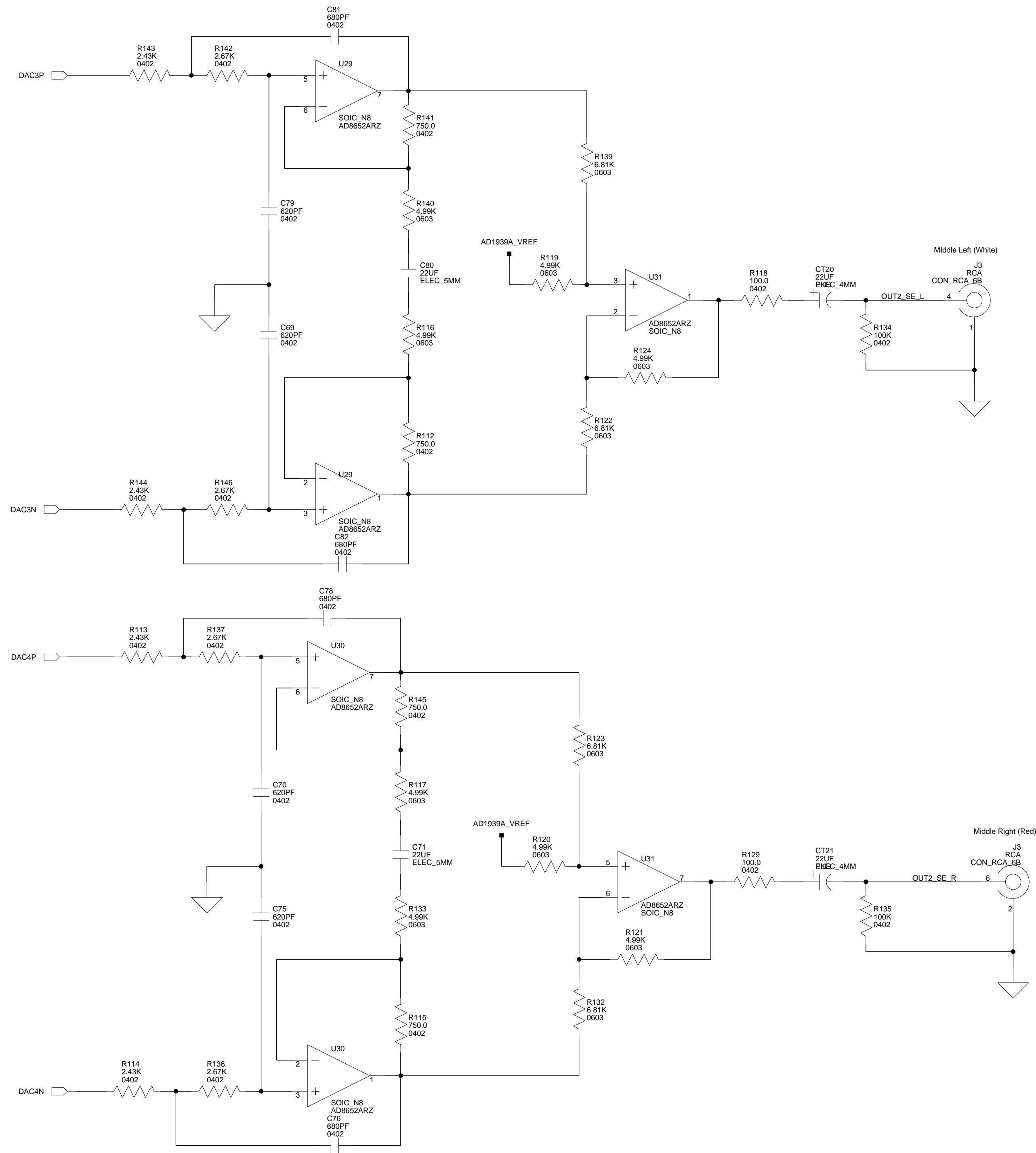
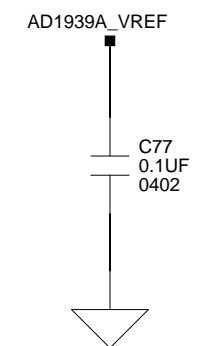
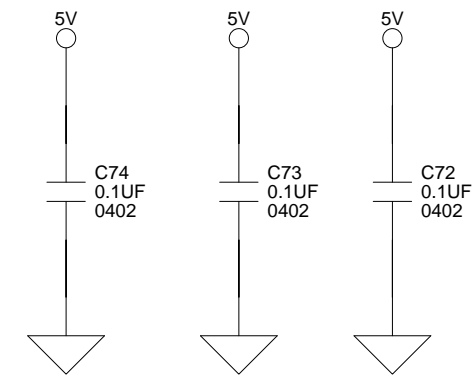
of 37


OUT1



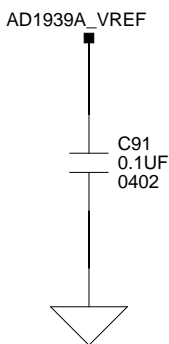
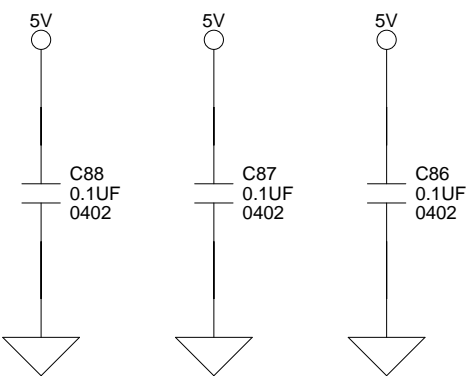
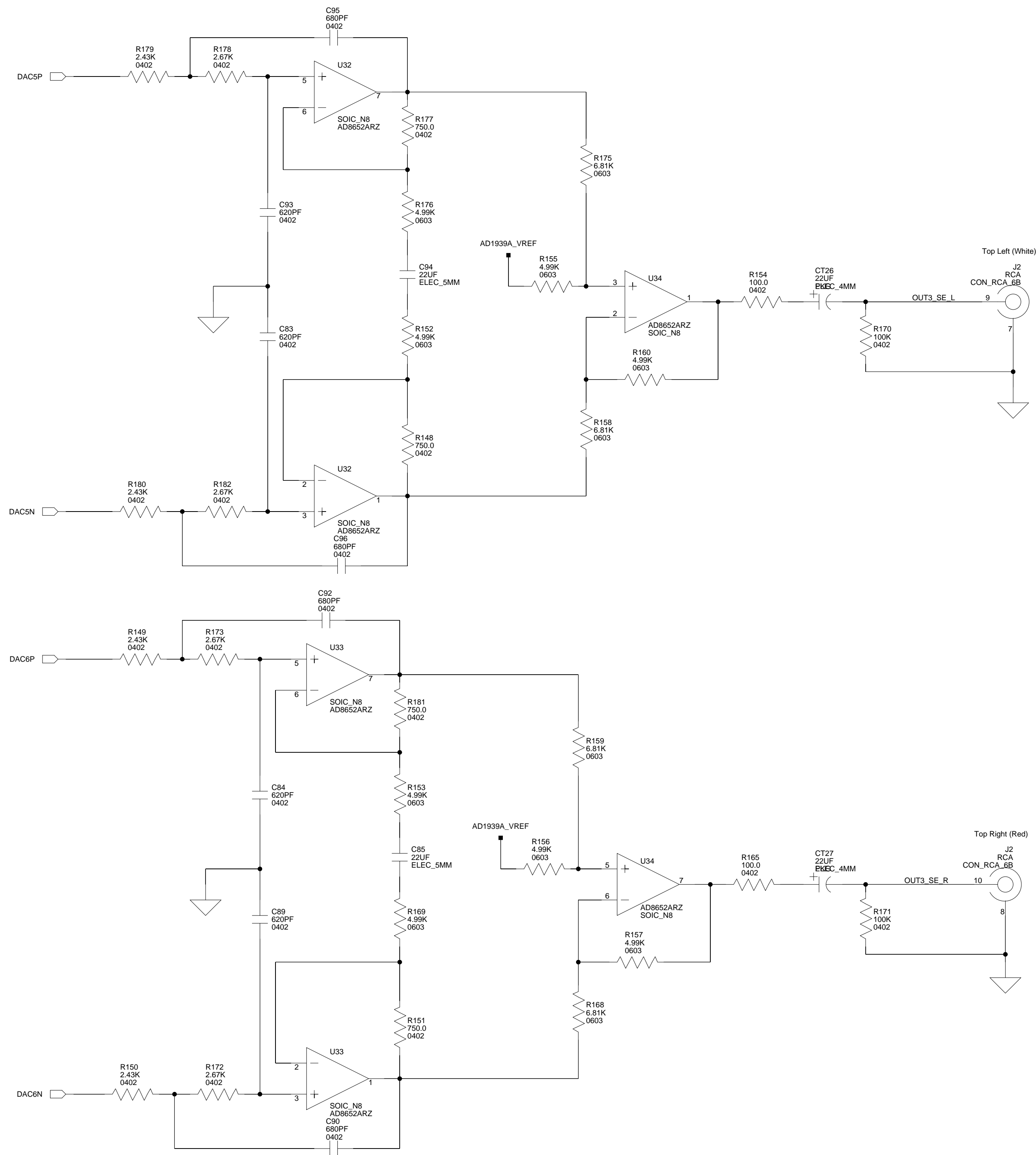
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Size C	Board No. A0707-2014		Rev 1.0
Date	12/4/15	Sheet 13 of 37	

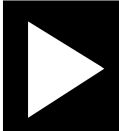
OUT2



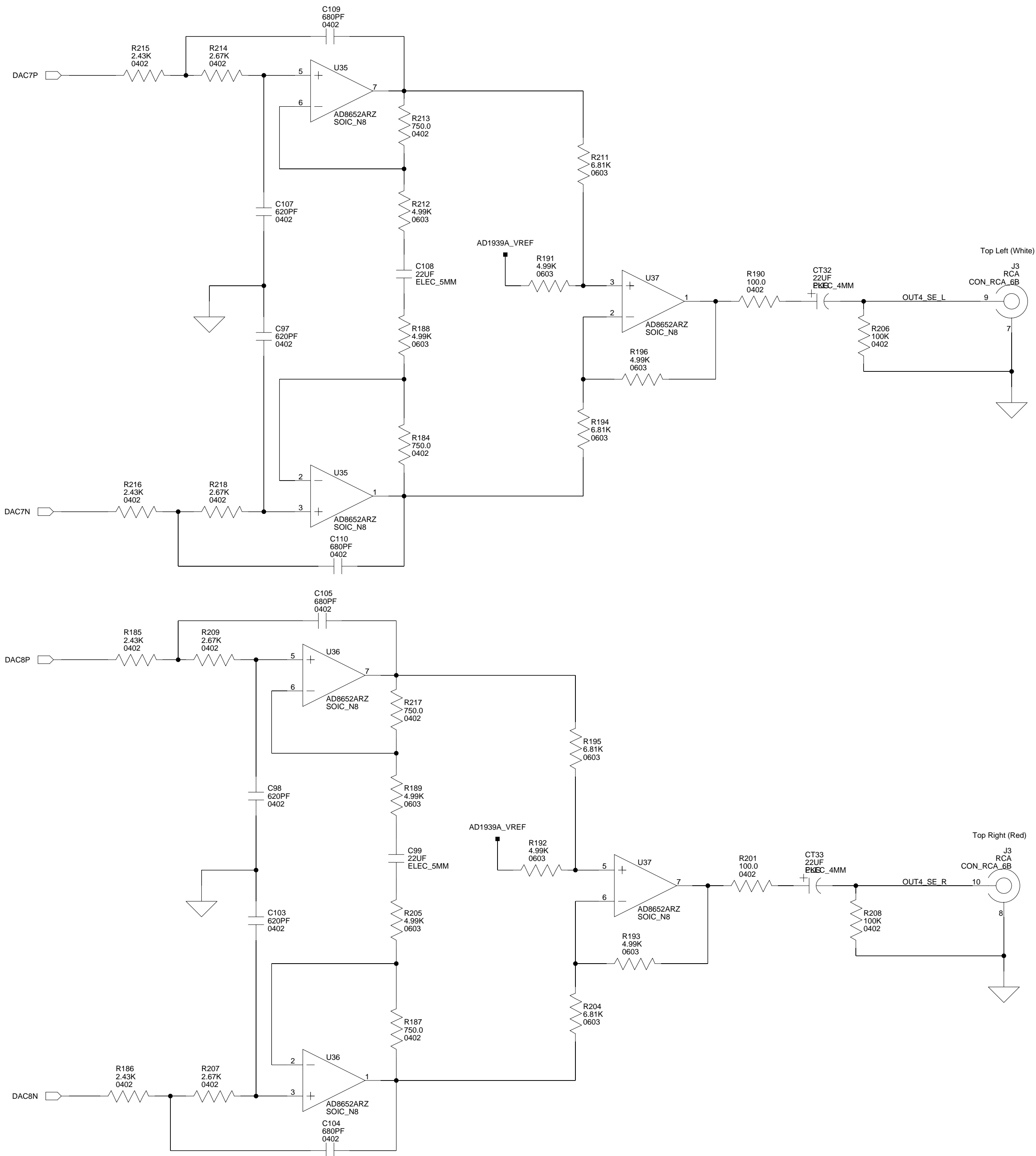
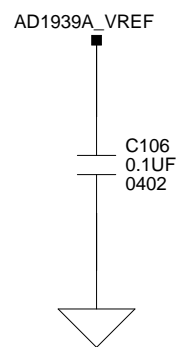
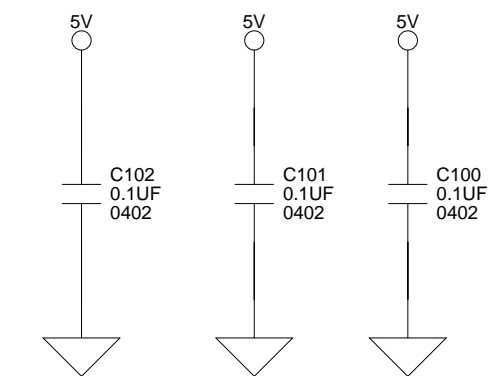
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Title HDMI AUDIO EI3 EZ-EXTENDER OUT2 VIA AD1939A					
Size C	Board No. A0707-2014				Rev 1.0
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OUT3



		2 Elizabeth Drive Chelmsford, MA 01824 PH: 1-800-ANALOGD	
Title HDMI AUDIO EI3 EZ-EXTENDER OUT3 VIA AD1939A			
Size C	Board No. A0707-2014		Rev 1.0
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OUT4

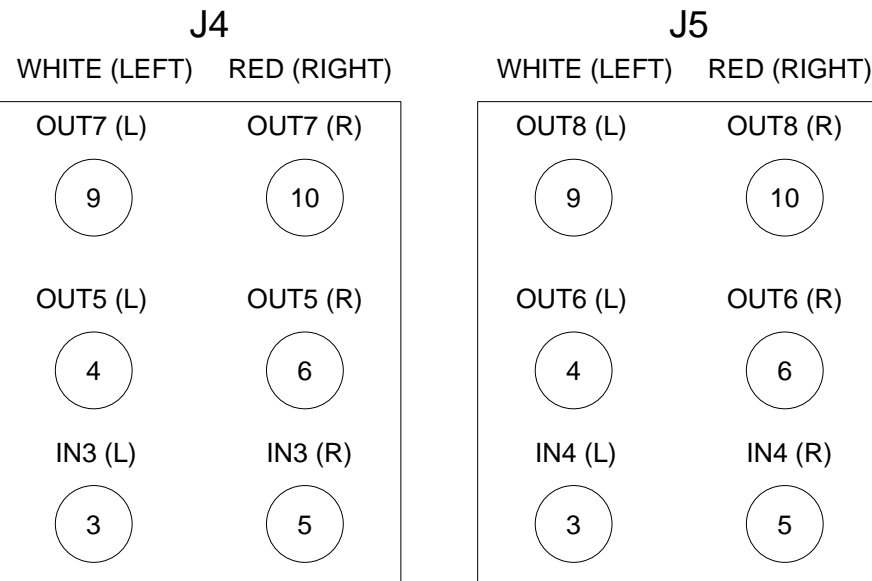
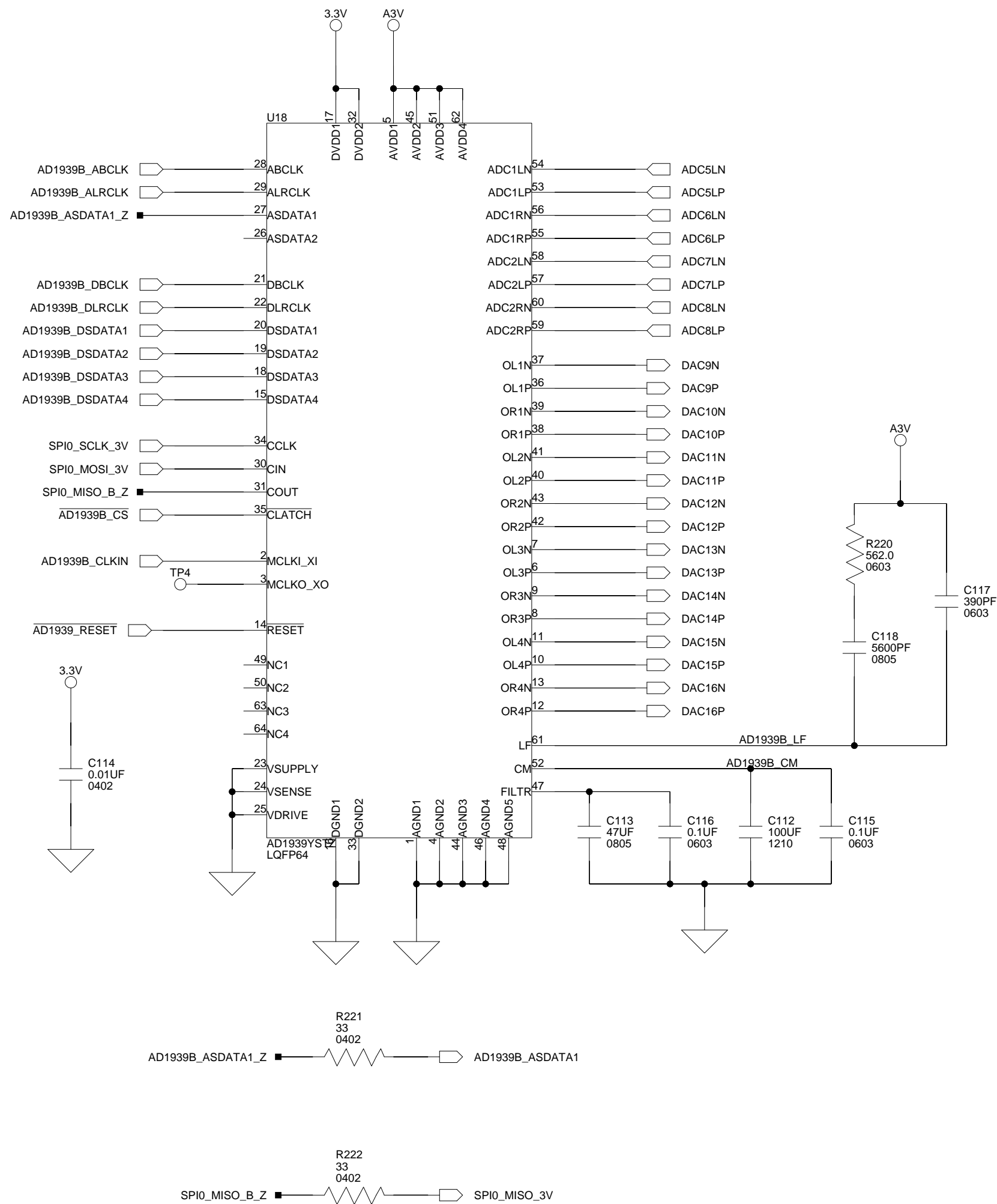


2 Elizabeth Drive
Chelmsford, MA 01824
PH: 1-800-ANALOGD

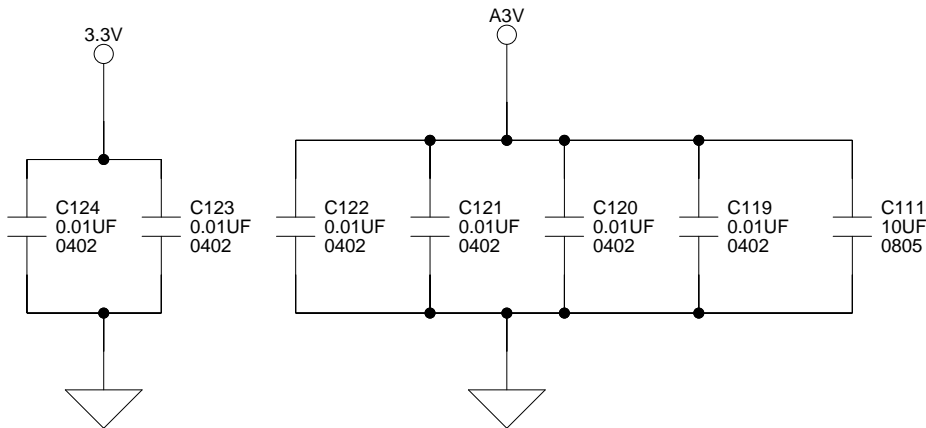
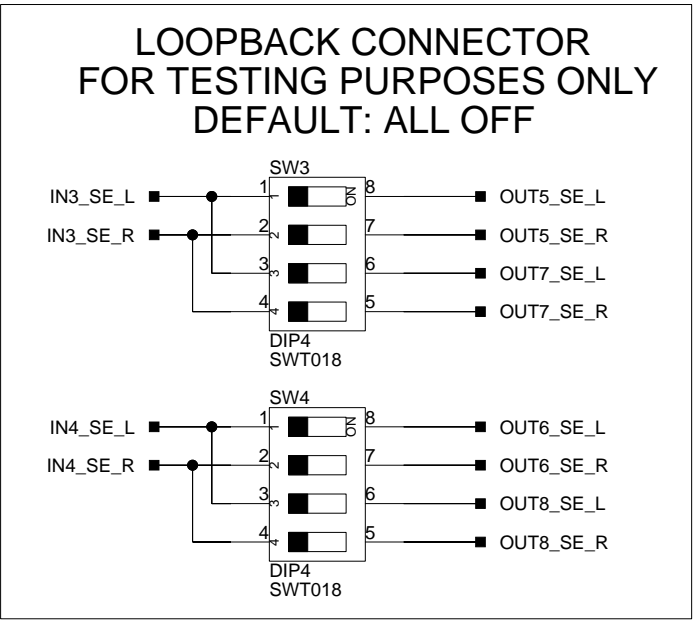
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Size C	Board No. A0707-2014	Rev 1.0
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NOTE: THE NUMBER INSIDE EACH OF THE CIRCLES IS THE ACTUAL PIN NUMBER FOR THE RESPECTIVE CONNECTOR.



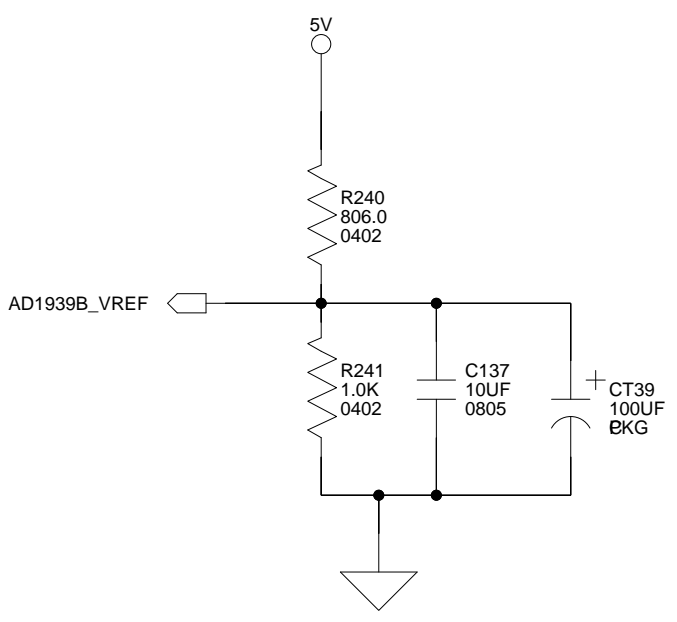
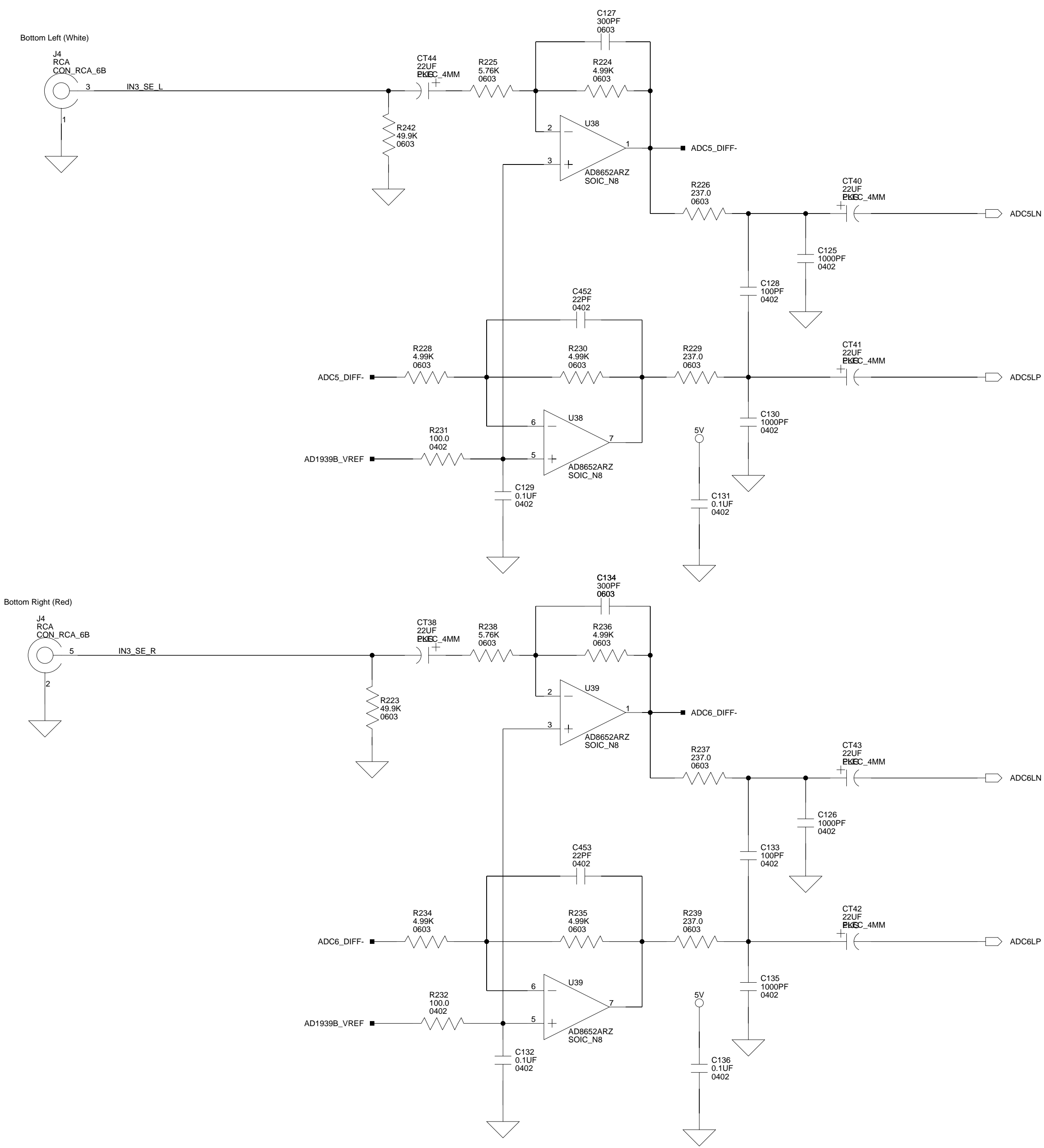
2 Elizabeth Drive
Chelmsford, MA 01824
PH: 1-800-ANALOGD


Title HDMI AUDIO EI3 EZ-EXTENDER
AD1939 CODEC B

Size C Board No. A0707-2014 Rev 1.0

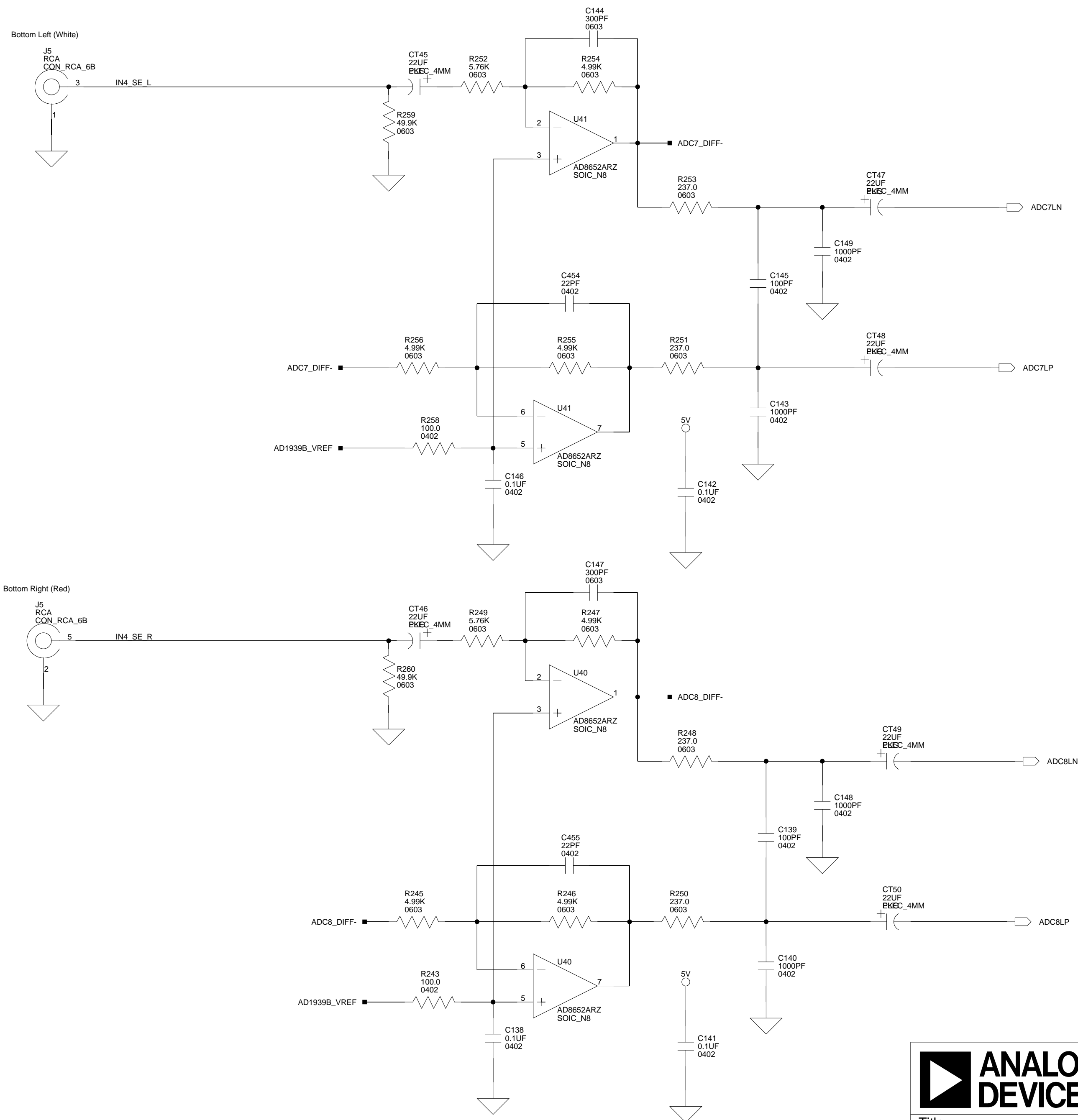
Date 12/4/15 Sheet 17 of 37


IN3



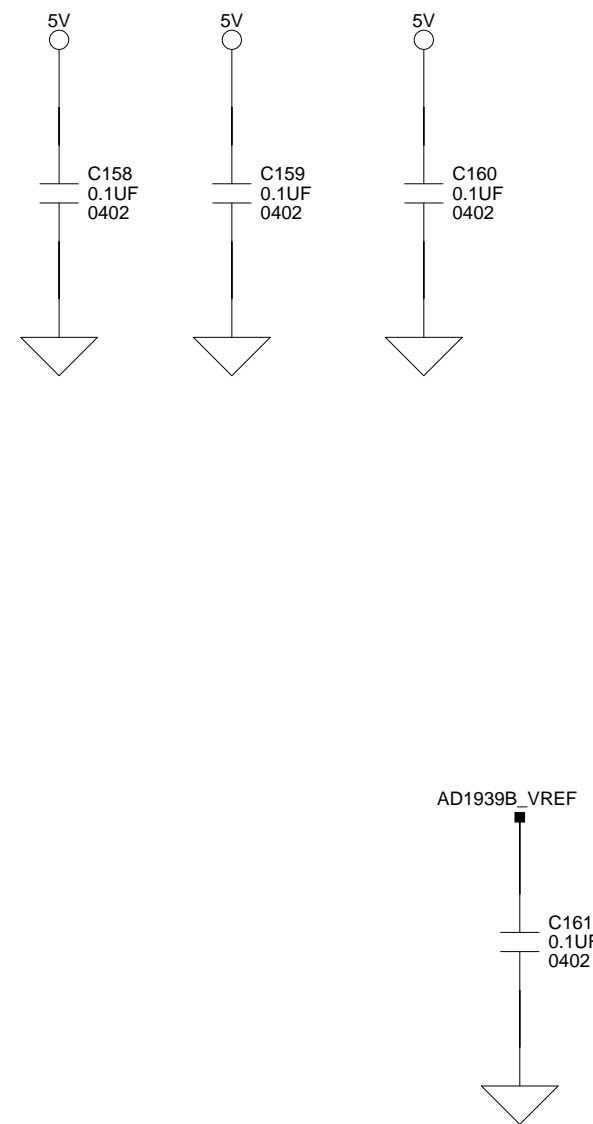
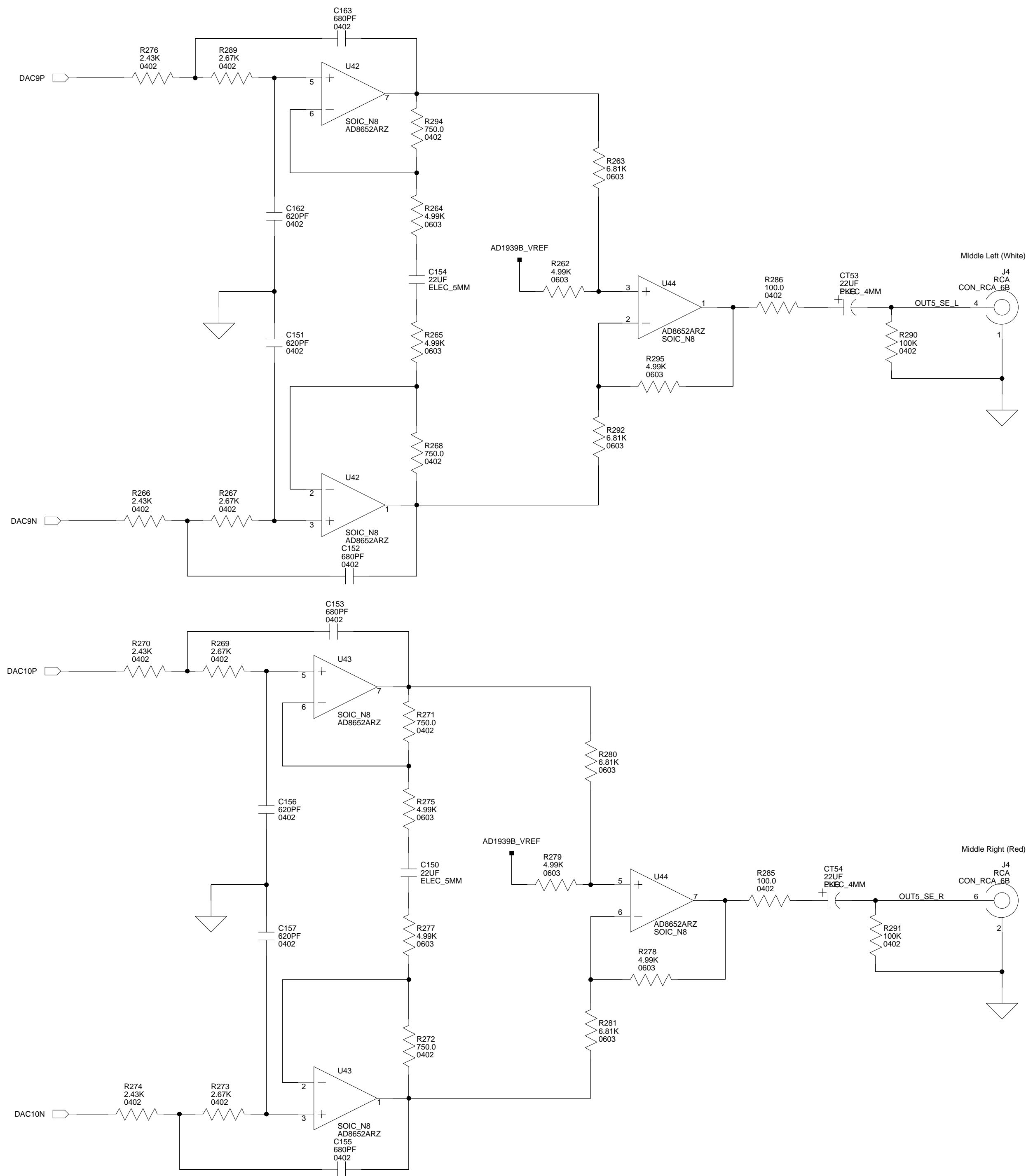
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Title HDMI AUDIO EI3 EZ-EXTENDER IN3 VIA AD1939A			
Size C	Board No. A0707-2014		Rev 1.0
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IN4



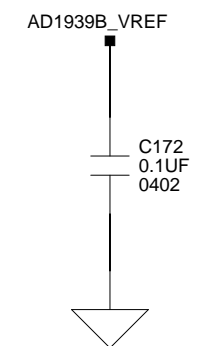
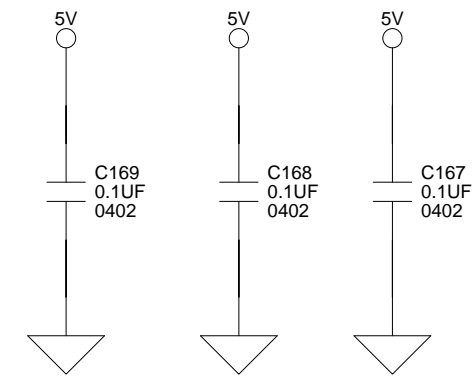
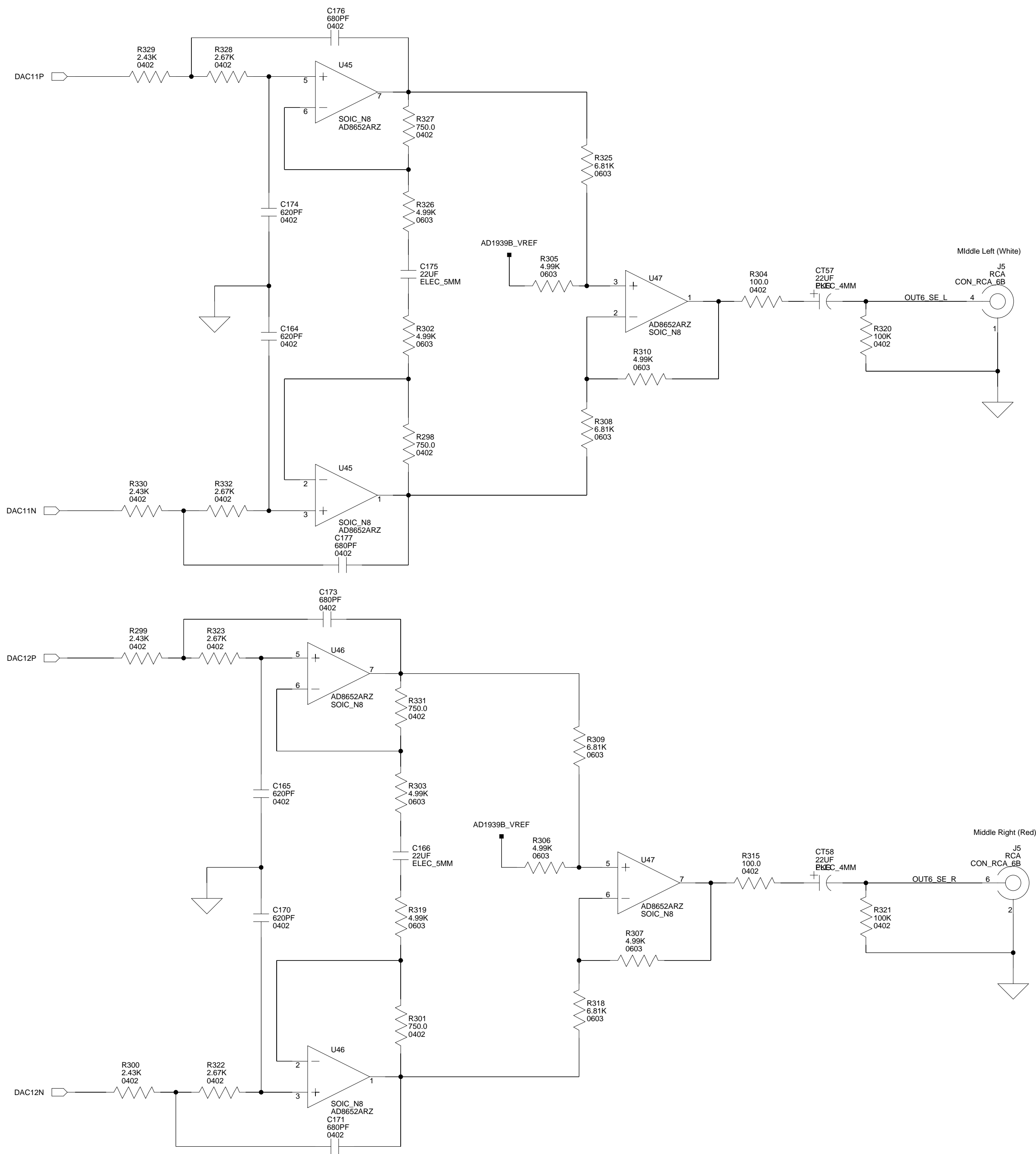
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Title HDMI AUDIO EI3 EZ-EXTENDER IN4 VIA AD1939A			
Size C	Board No. A0707-2014		Rev 1.0
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OUT5



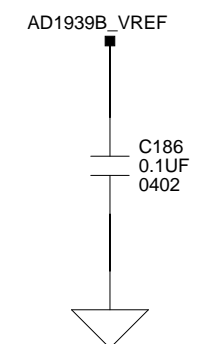
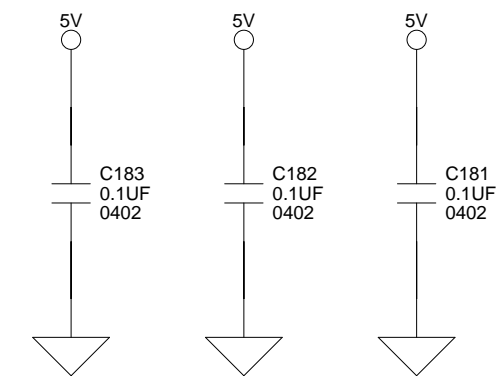
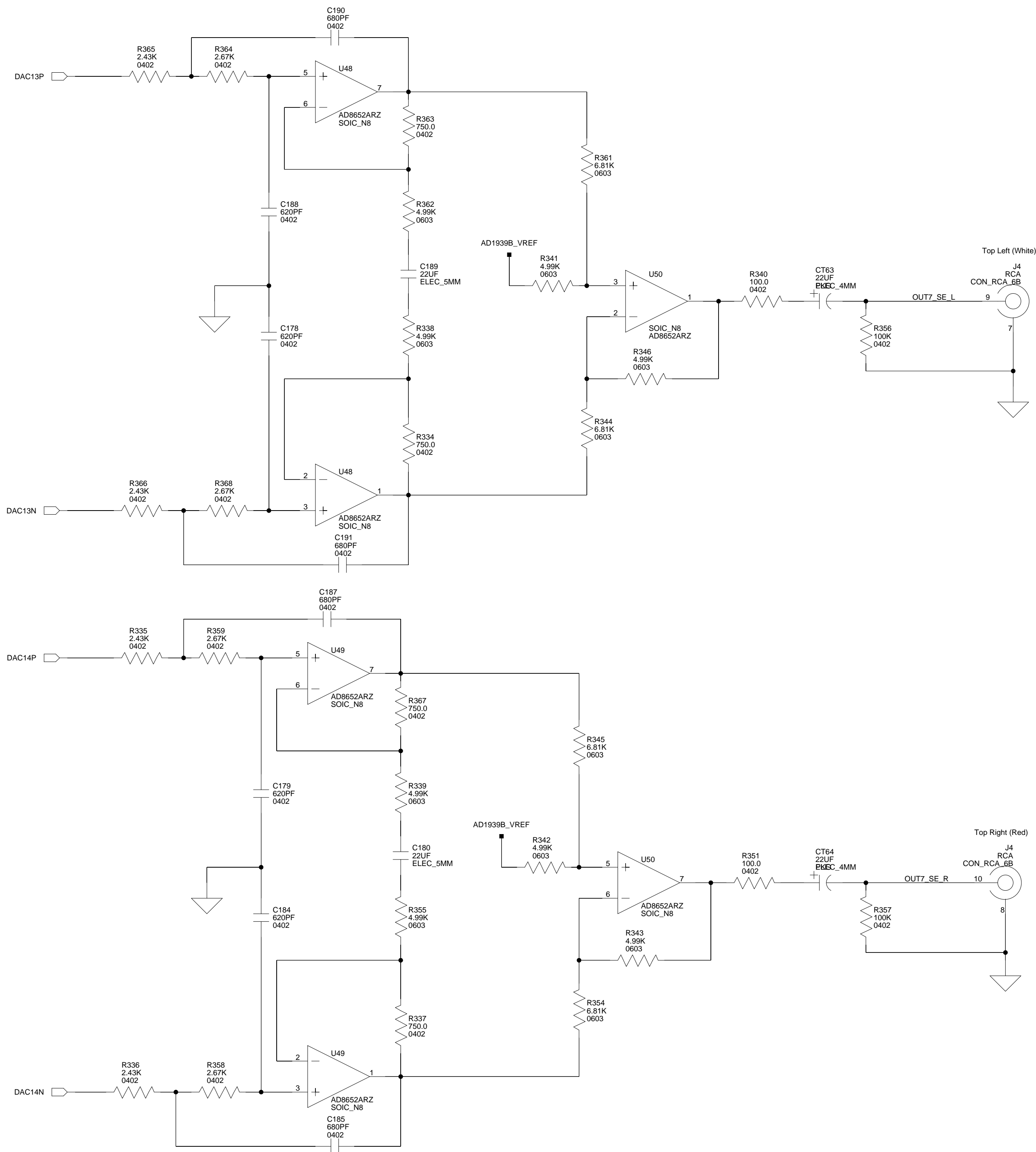
 ANALOG DEVICES 2 Elizabeth Drive Chelmsford, MA 01824 PH: 1-800-ANALOGD		
Title HDMI AUDIO EI3 EZ-EXTENDER OUT5 VIA AD1939B		
Size C	Board No. A0707-2014	Rev 1.0
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OUT6



 <div>2 Elizabeth Drive Chelmsford, MA 01824 PH: 1-800-ANALOGD</div>		
TitleHDMI AUDIO EI3 EZ-EXTENDER OUT6 VIA AD1939B		
Size C	Board No. A0707-2014	Rev 1.0
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OUT7



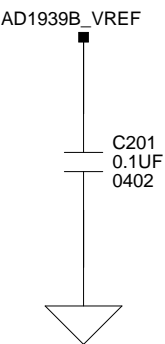
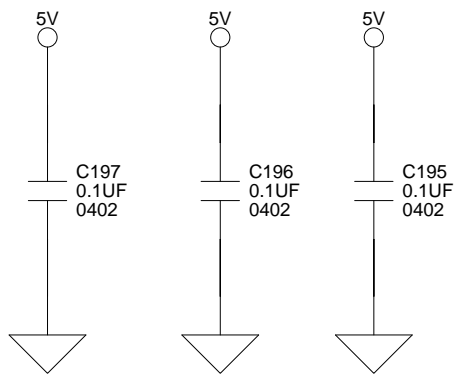
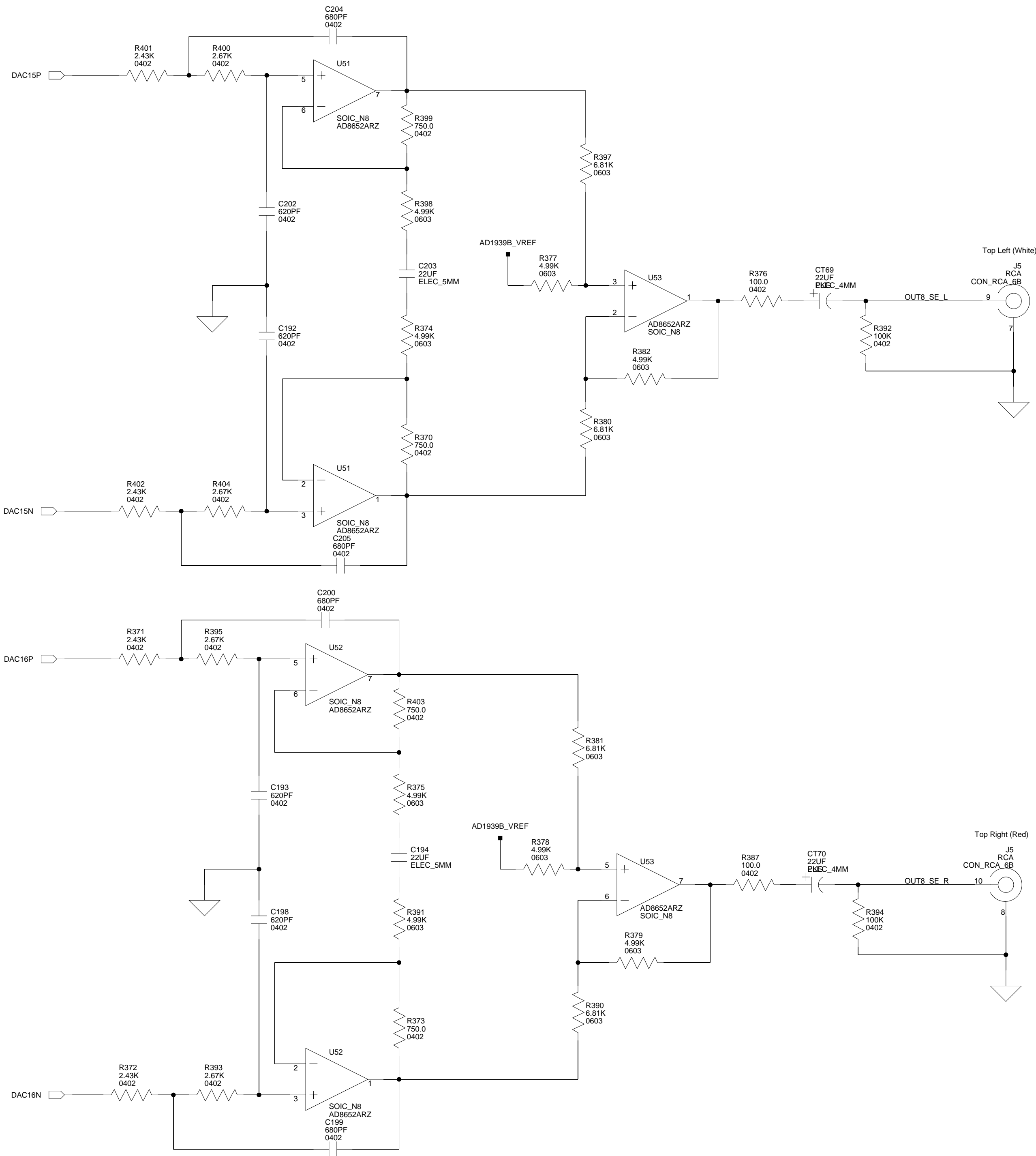
2 Elizabeth Drive
Chelmsford, MA 01824
PH: 1-800-ANALOGD

Title	HDMI AUDIO EI3 EZ-EXTENDER OUT7 VIA AD1939B
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Size C	Board No. A0707-2014	Rev 1.0
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OUT8



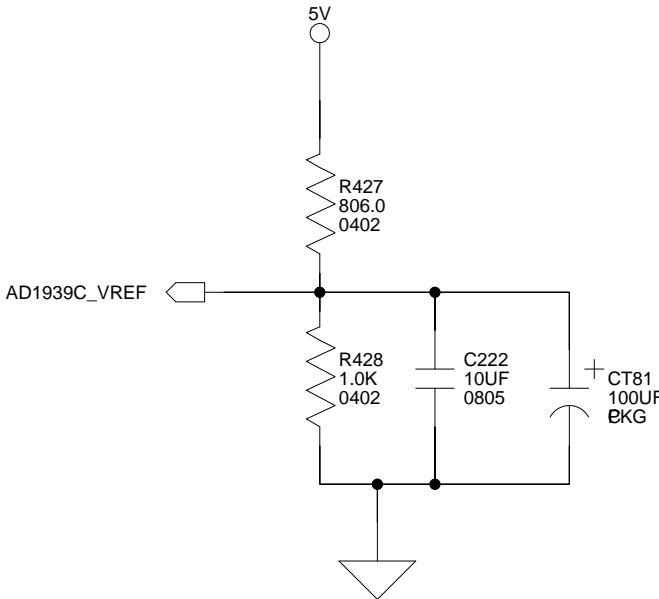
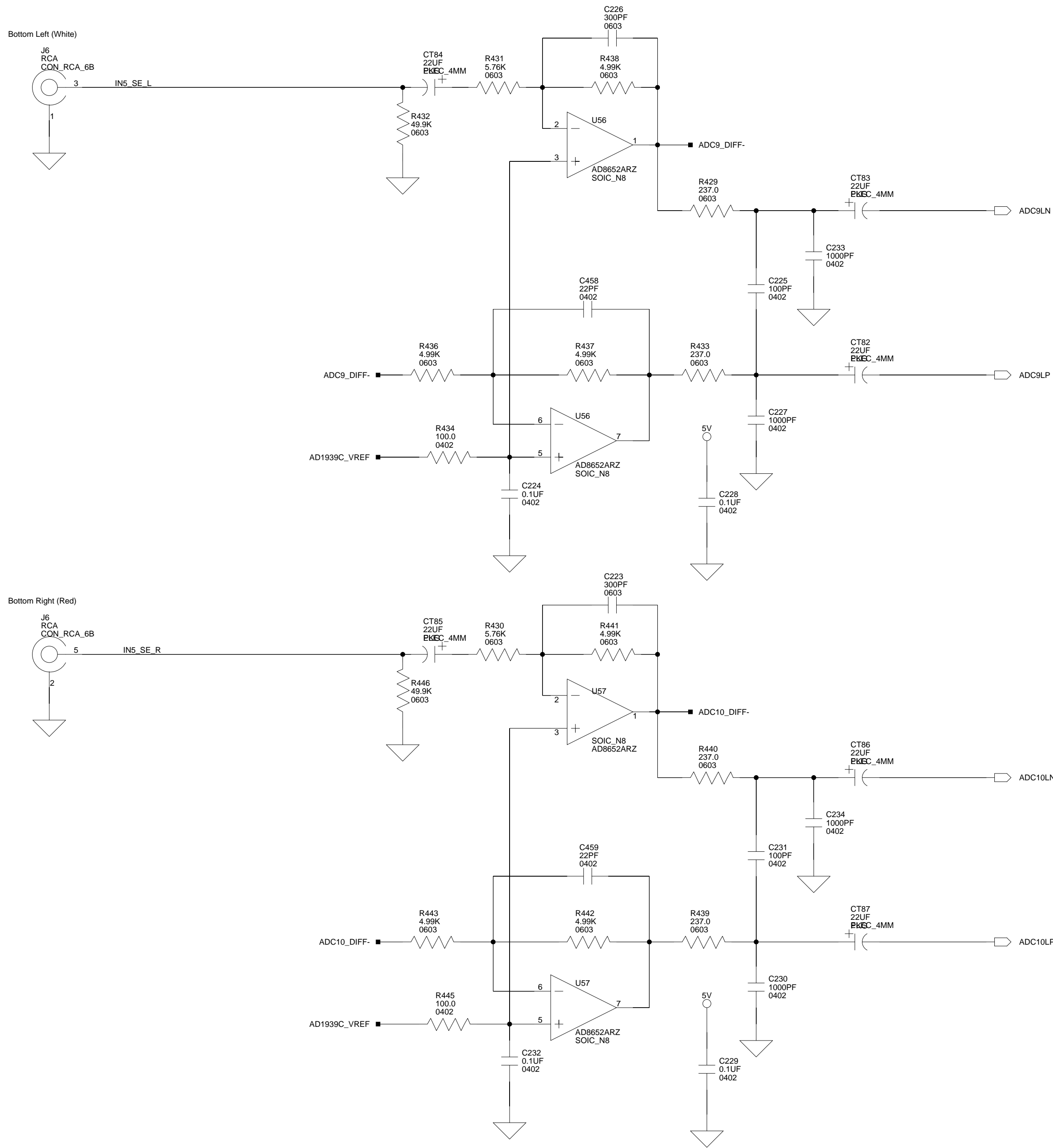
2 Elizabeth Drive
Chelmsford, MA 01824
PH: 1-800-ANALOGD

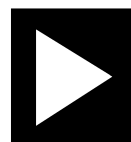
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OUT8 VIA AD1939B

Size C	Board No. A0707-2014	Rev 1.0
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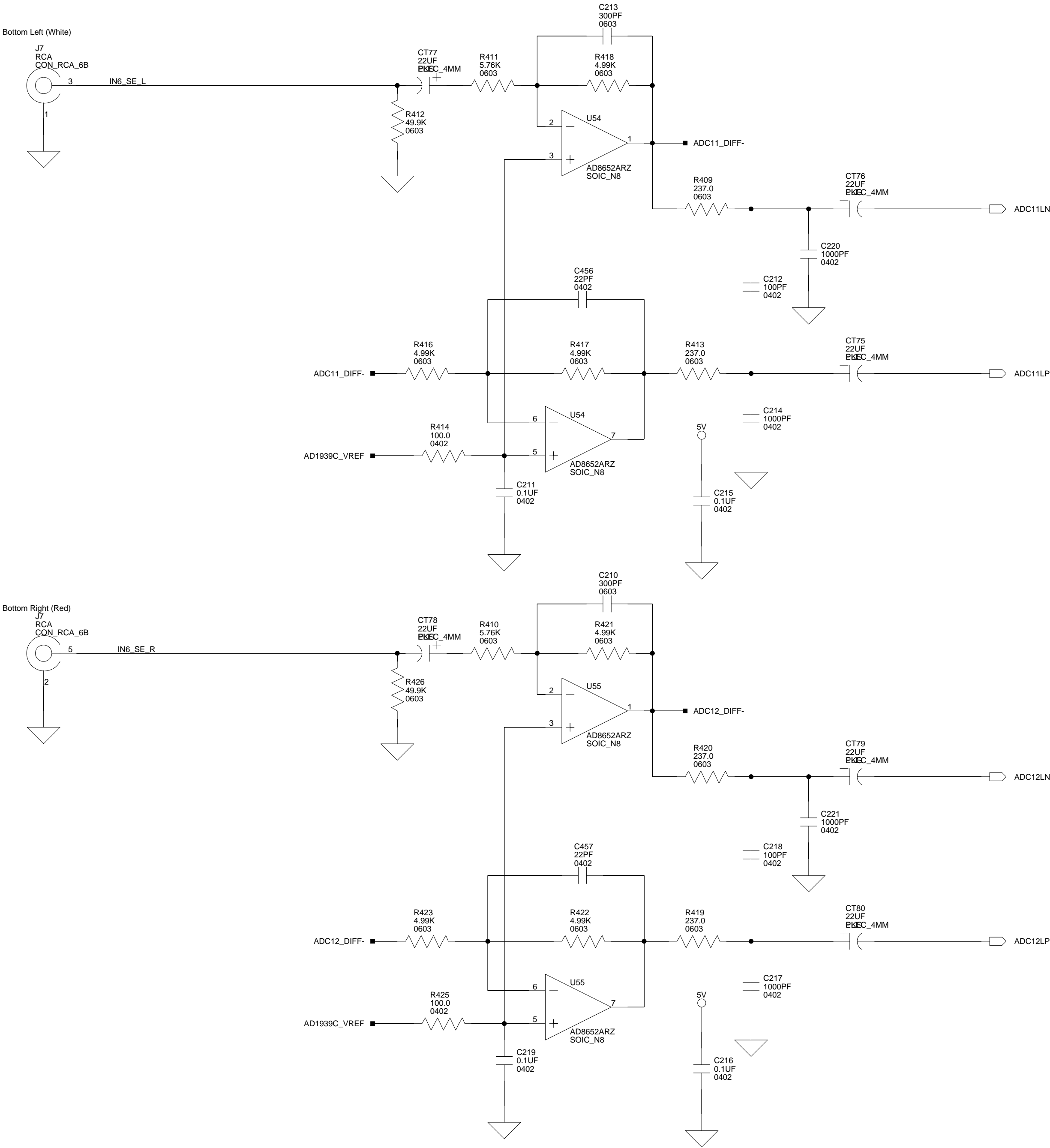
Date	12/4/15	Sheet 23 of 37
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IN5

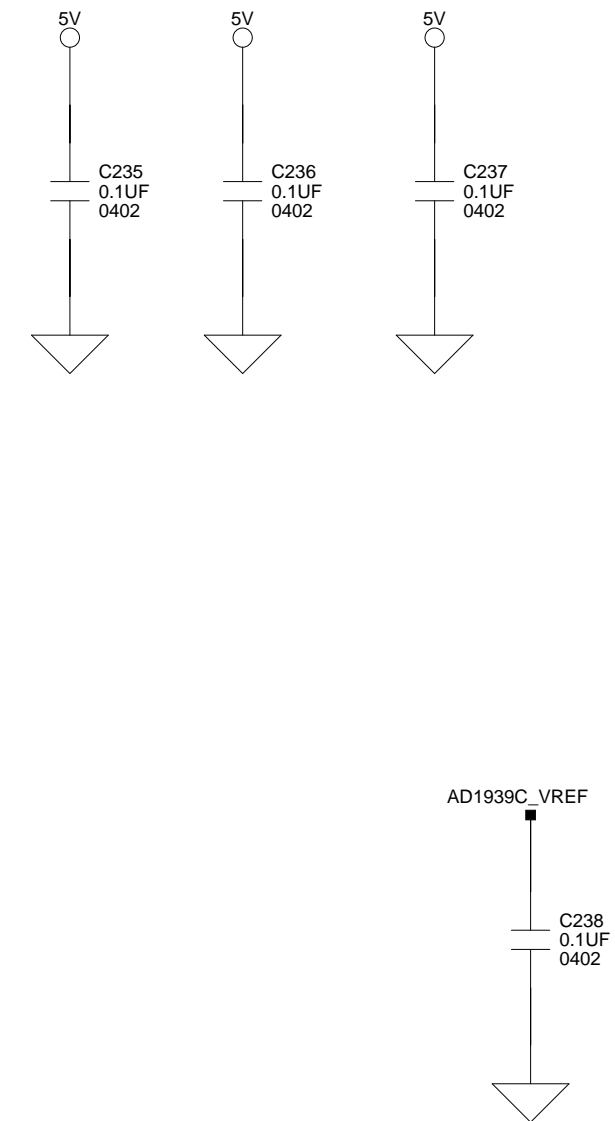
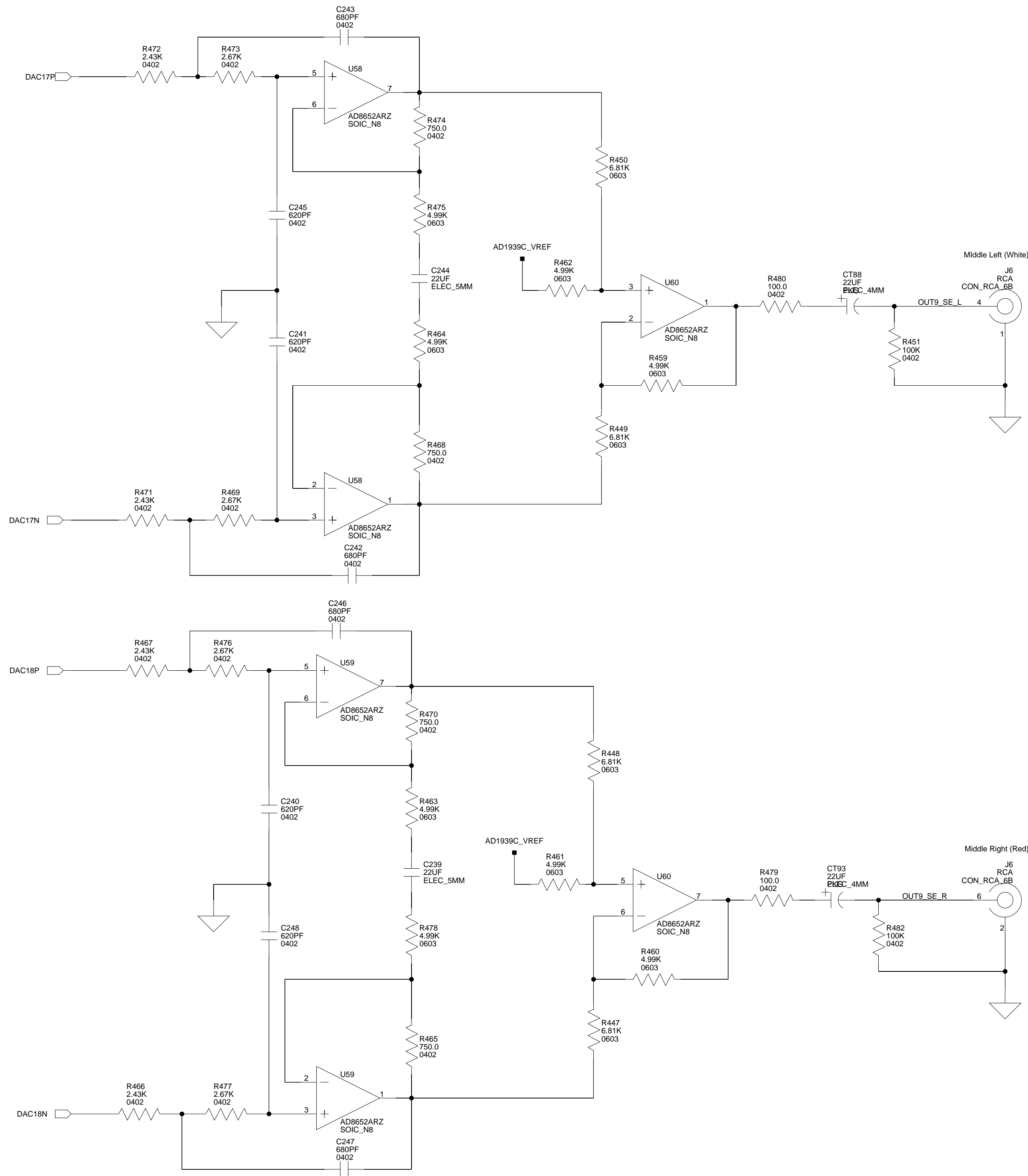


 ANALOG DEVICES		2 Elizabeth Drive Chelmsford, MA 01824 PH: 1-800-ANALOGD	
Title HDMI AUDIO EI3 EZ-EXTENDER IN5 VIA AD1939C			
Size C	Board No. A0707-2014		Rev 1.0
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IN6



OUT9



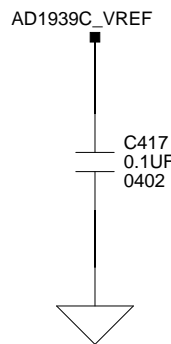
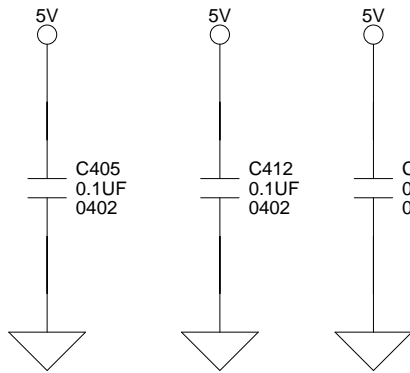
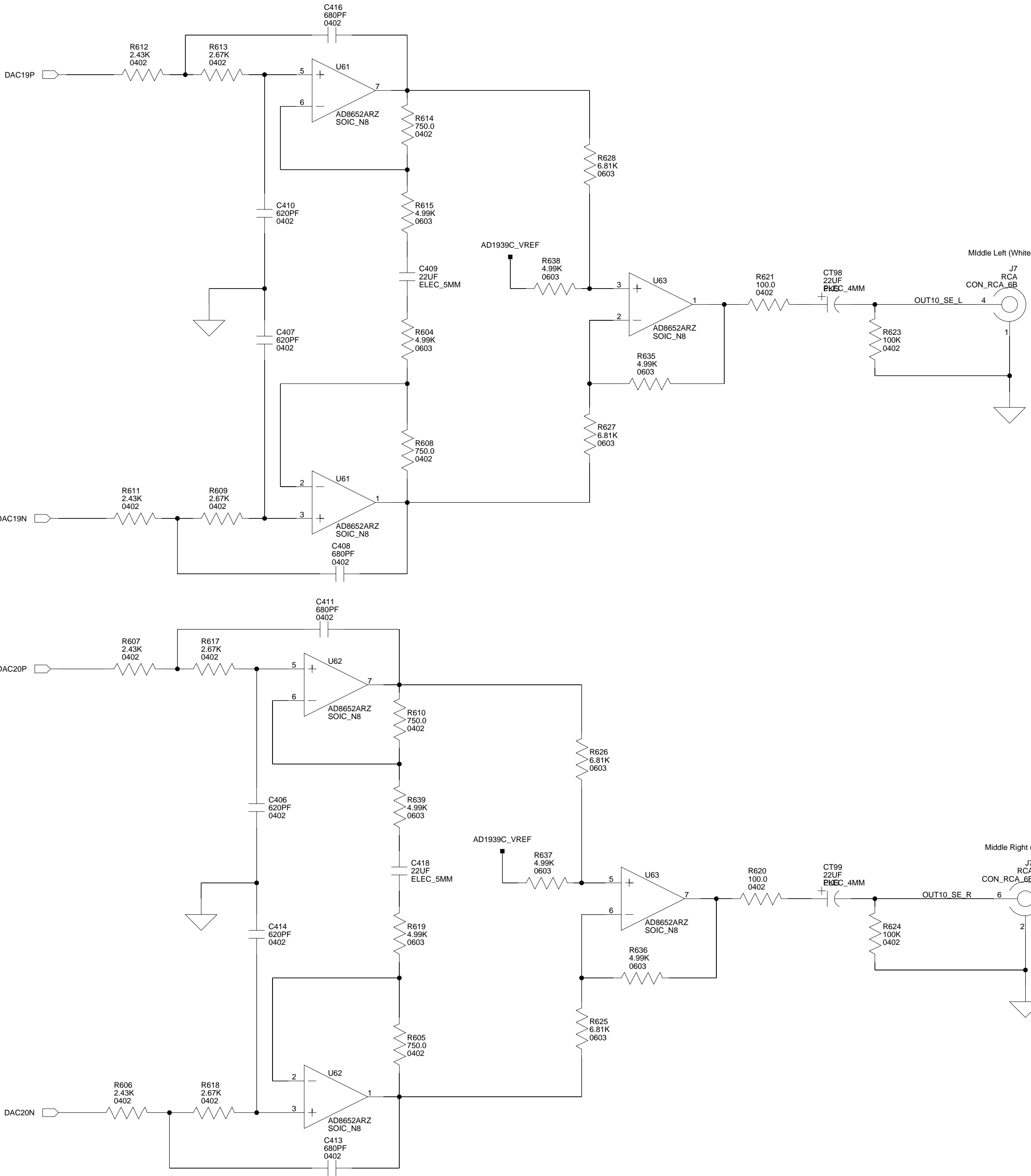
2 Elizabeth Drive
Chelmsford, MA 01824
PH: 1-800-ANALOGD

Title	HDMI AUDIO EI3 EZ-EXTENDER OUT9 VIA AD1939C
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Size C	Board No. A0707-2014	Rev 1.0
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OUT10



**ANALOG
DEVICES**

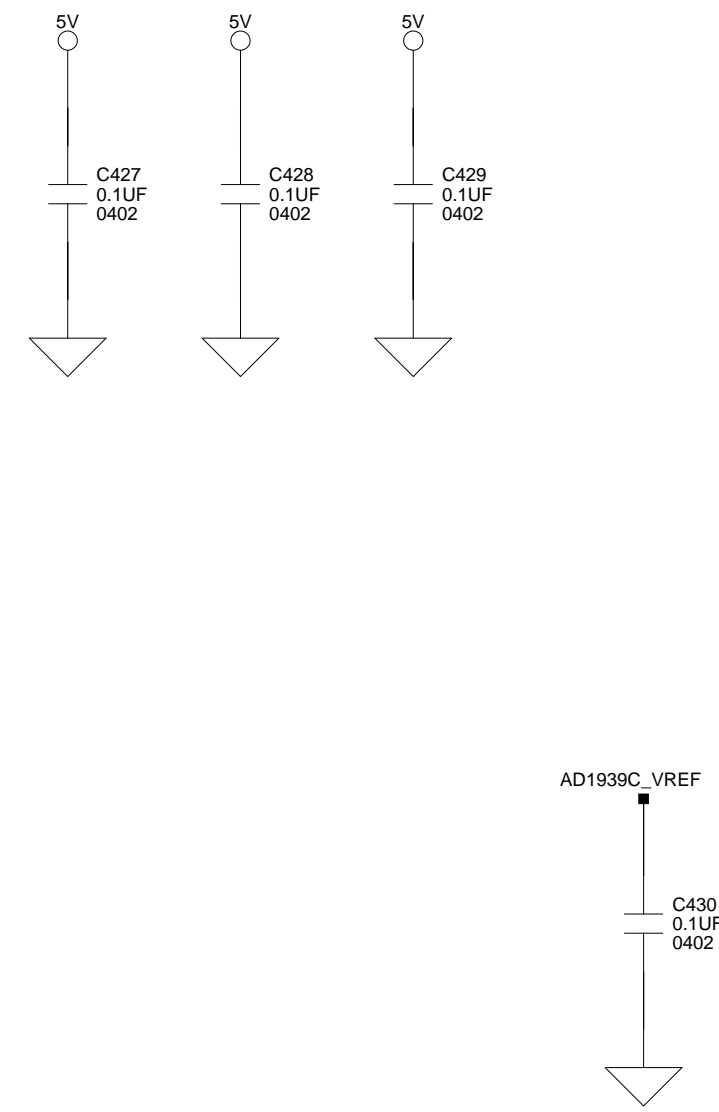
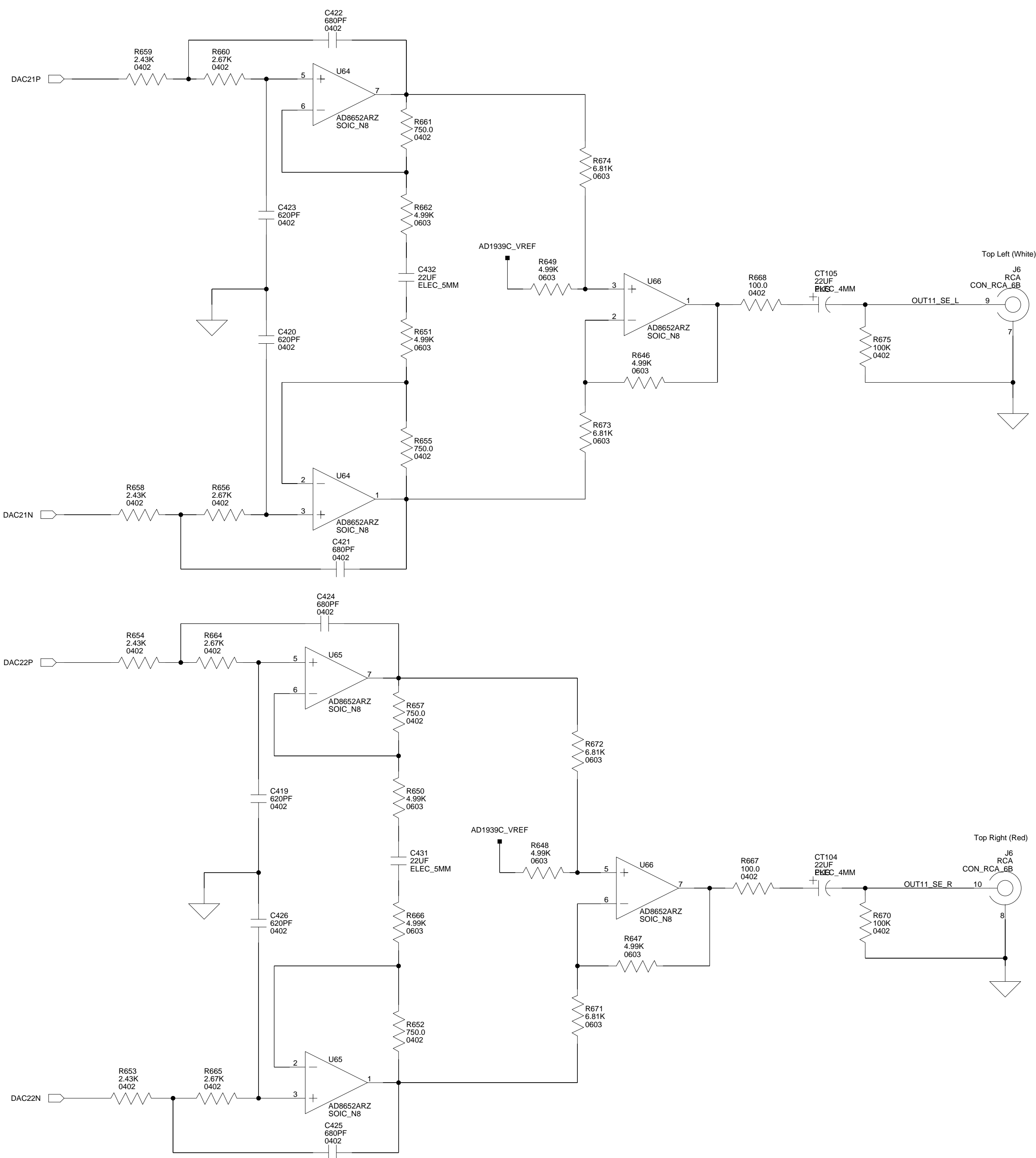
2 Elizabeth Drive
Chelmsford, MA 01824
PH: 1-800-ANALOGD


Title **HDMI AUDIO EI3 EZ-EXTENDER
OUT10 VIA AD1939C**

Size C	Board No. A0707-2014	Rev 1.0
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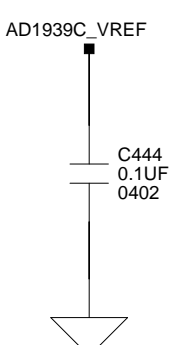
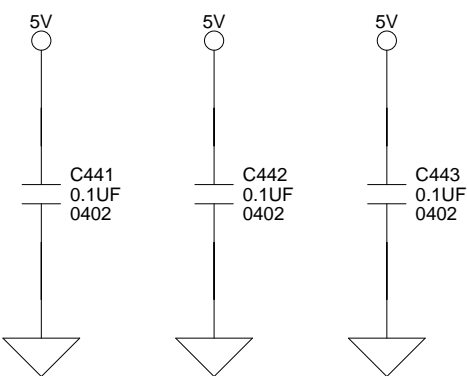
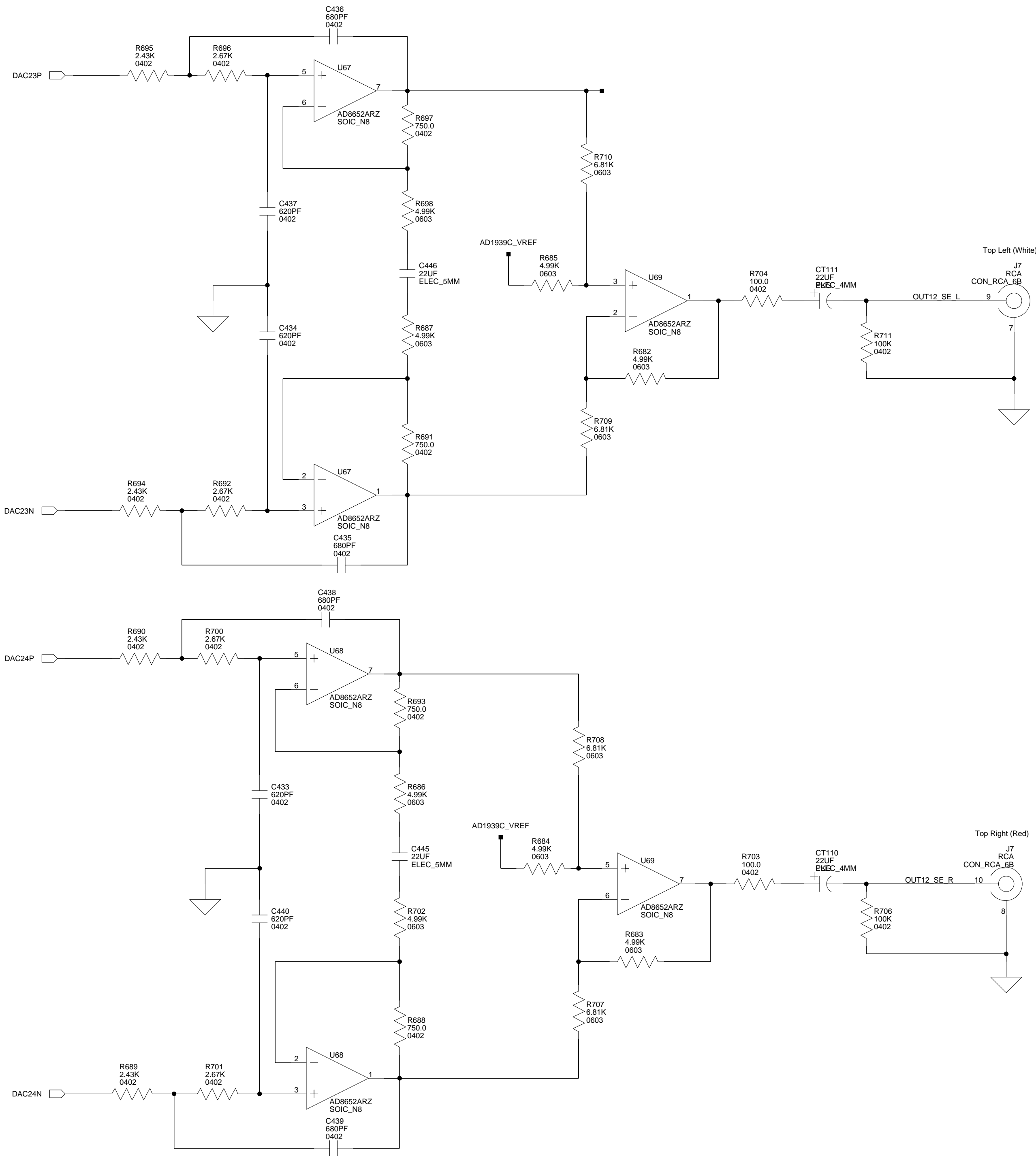
Date	12/4/15	Sheet 28 of 37
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OUT11

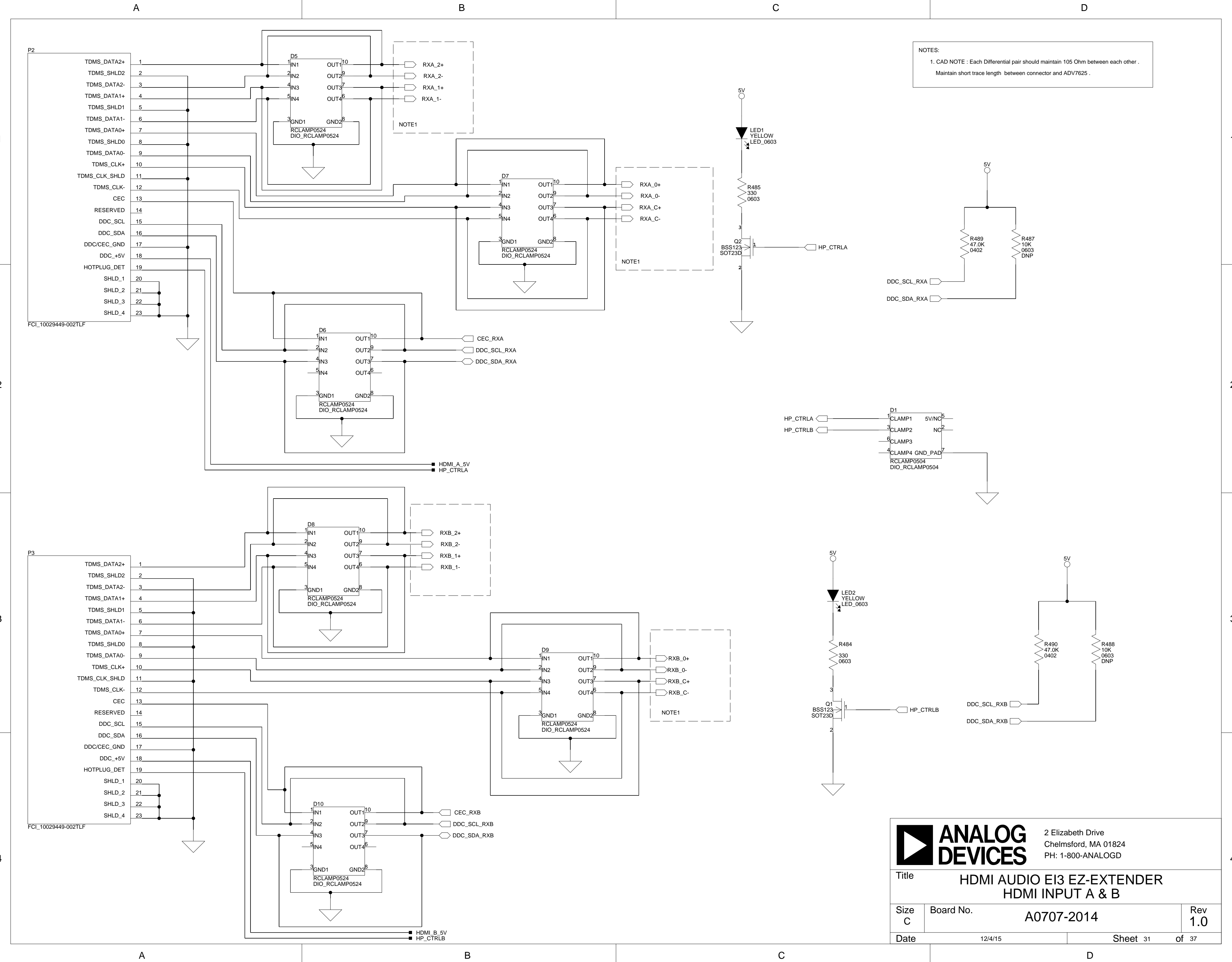


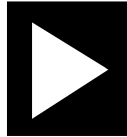
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TitleHDMI AUDIO EI3 EZ-EXTENDER OUT11 VIA AD1939C		
Size C	Board No. A0707-2014	Rev 1.0
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OUT12



 <div>2 Elizabeth Drive Chelmsford, MA 01824 PH: 1-800-ANALOGD</div>		
TitleHDMI AUDIO EI3 EZ-EXTENDER OUT12 VIA AD1939C		
Size C	Board No. A0707-2014	Rev 1.0
Date	12/4/15	Sheet 30 of 37

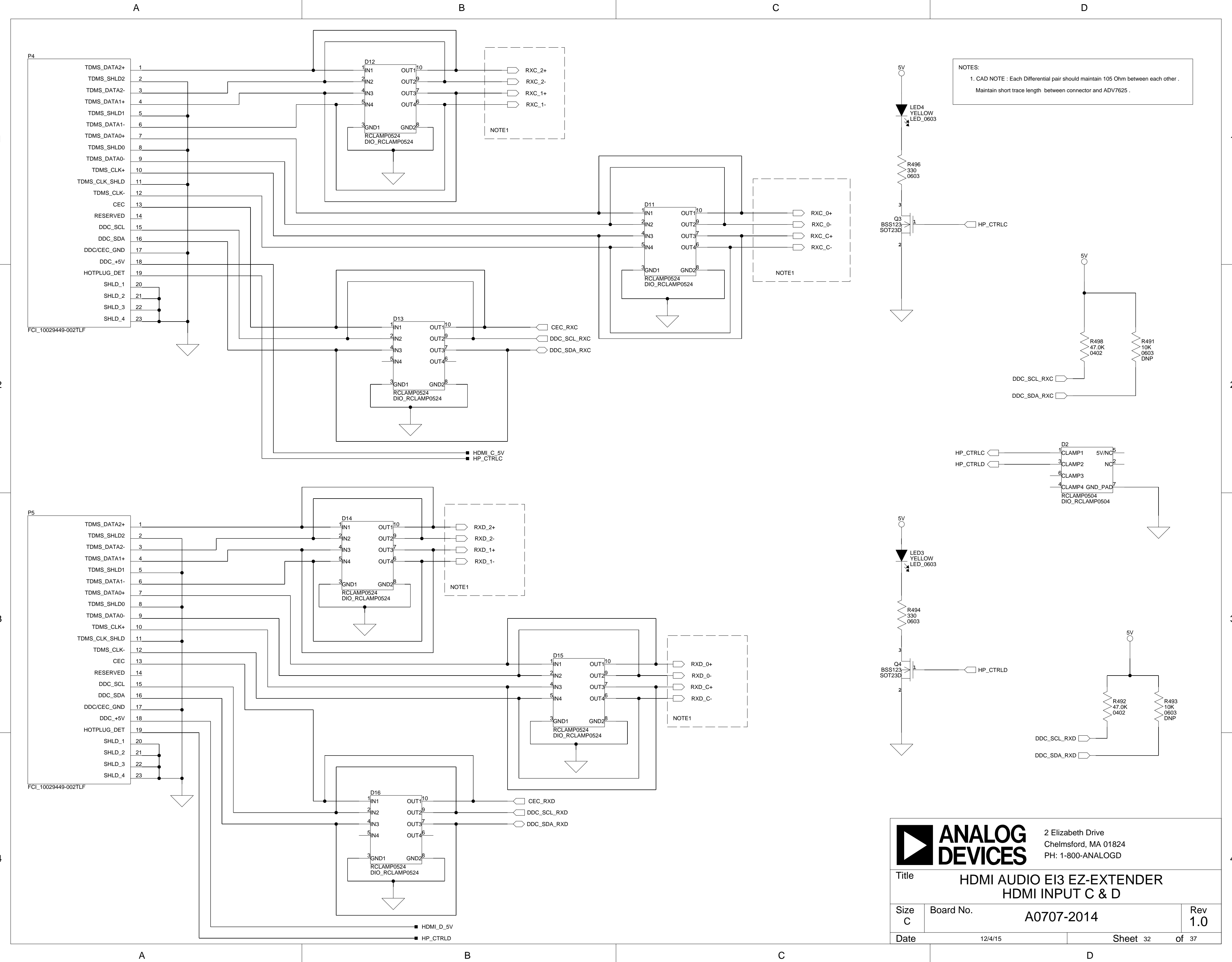




**ANALOG
DEVICES**

2 Elizabeth Drive
Chelmsford, MA 01824
PH: 1-800-ANALOGD

TitleHDMI AUDIO EI3 EZ-EXTENDER HDMI INPUT A & B		
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1

2

3

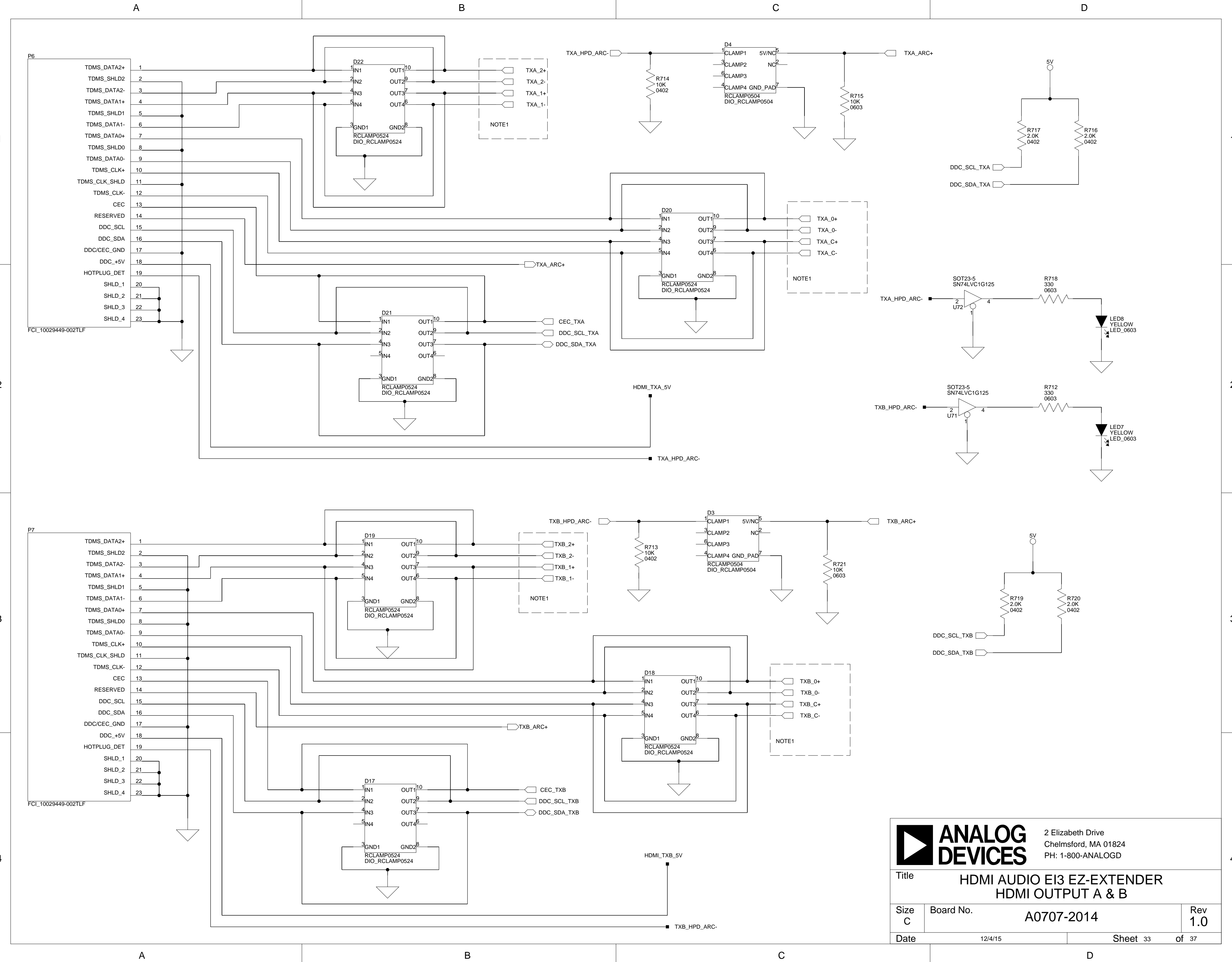
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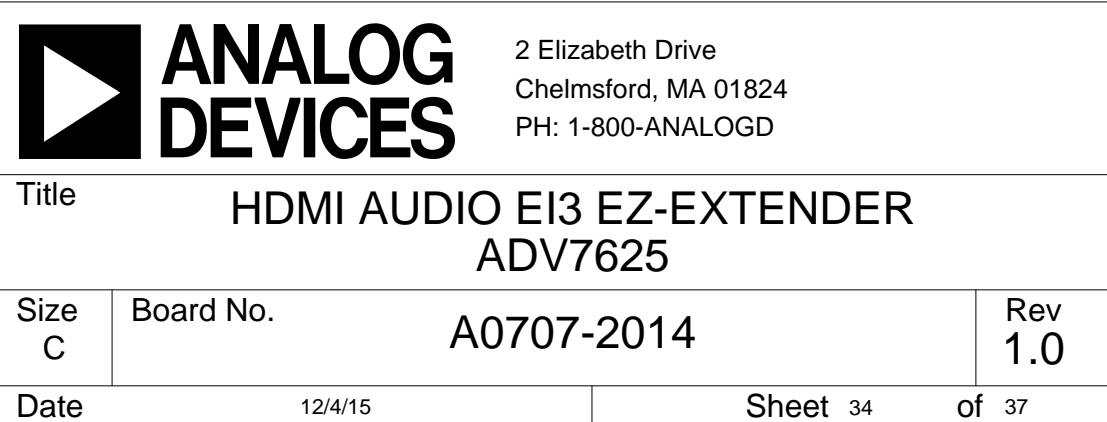
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3

4



		2 Elizabeth Drive Chelmsford, MA 01824 PH: 1-800-ANALOGD	
Title HDMI AUDIO EI3 EZ-EXTENDER HDMI OUTPUT A & B			
Size C	Board No. A0707-2014		Rev 1.0
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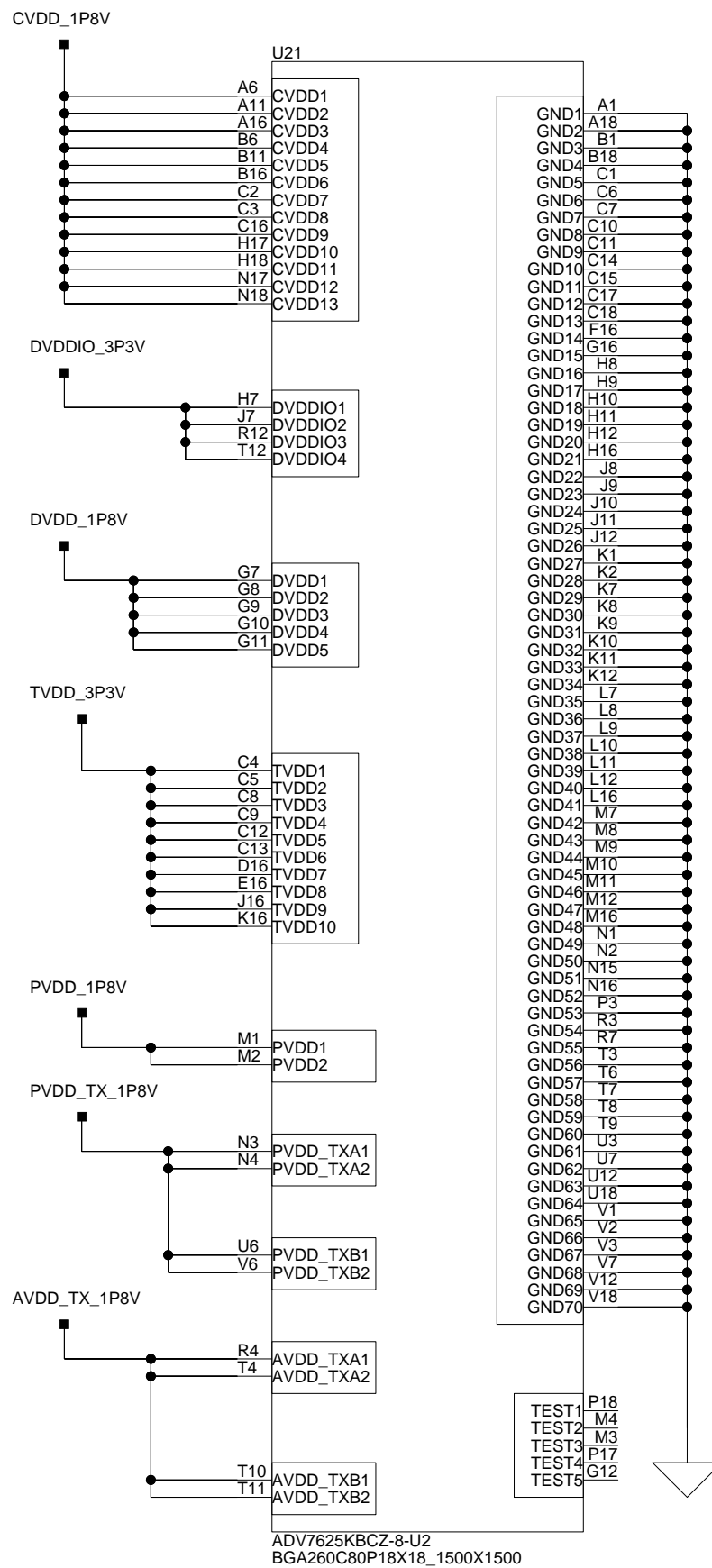
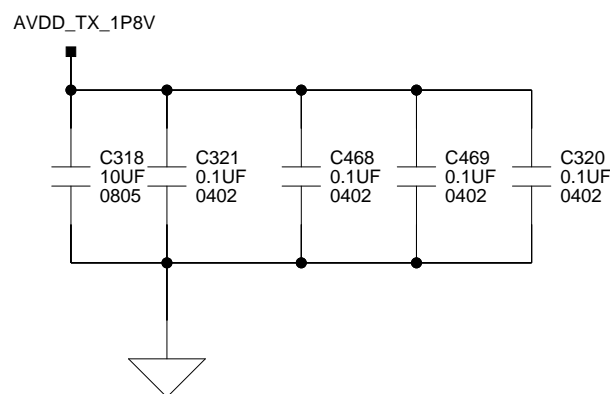
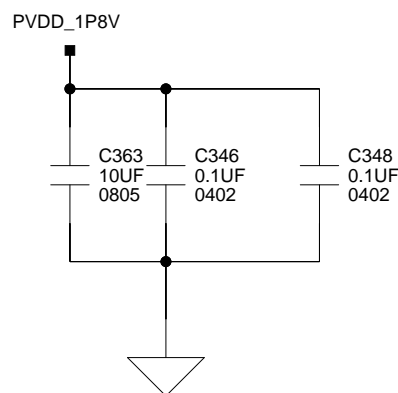
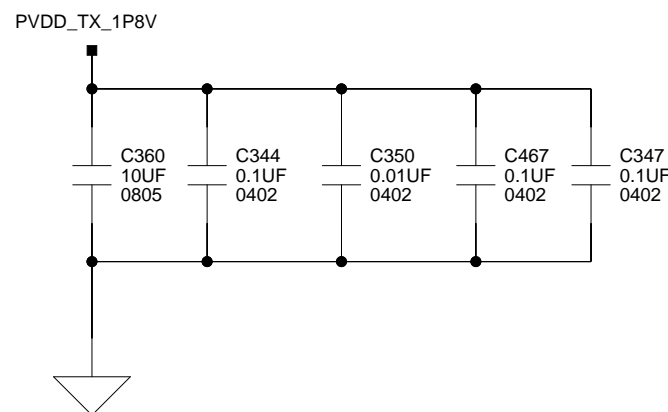
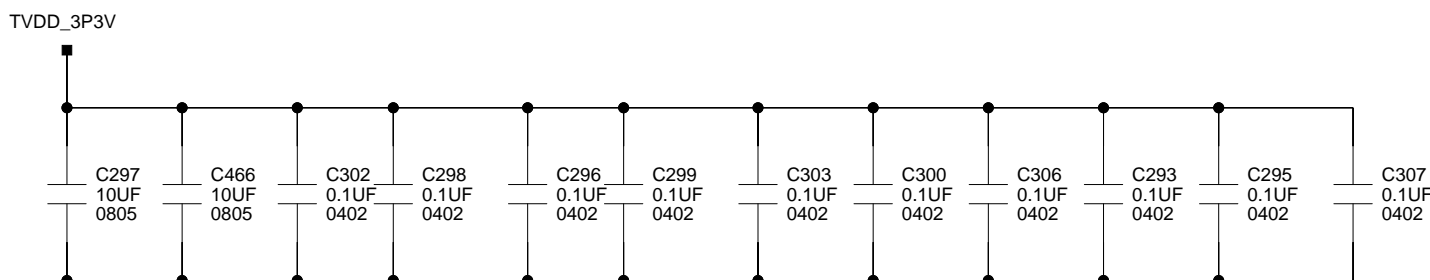
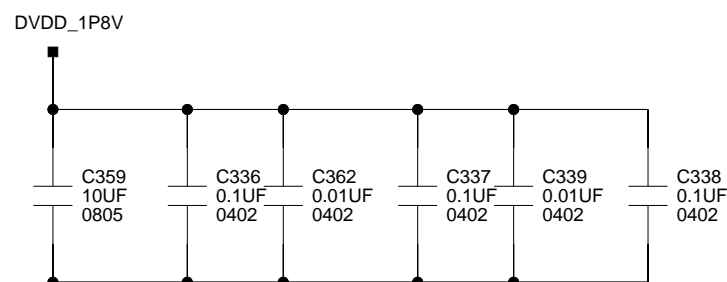
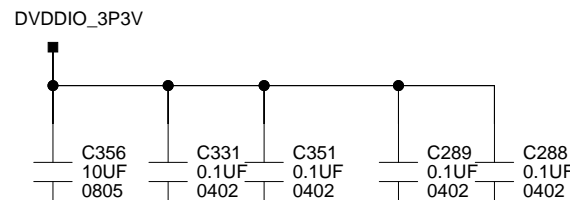
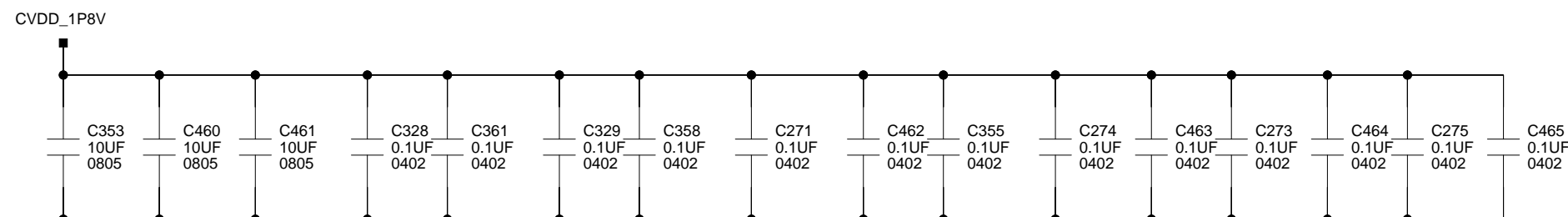



A

B

C

D



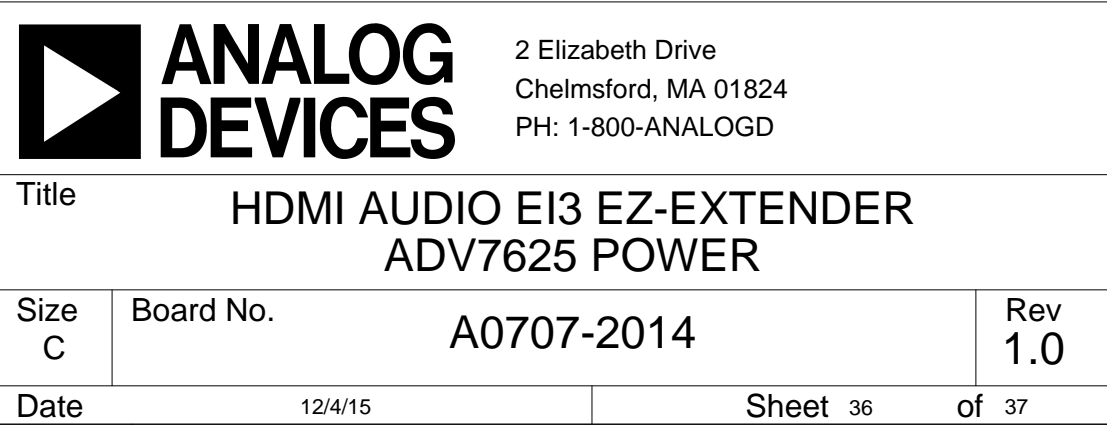
		2 Elizabeth Drive Chelmsford, MA 01824 PH: 1-800-ANALOGD	
Title HDMI AUDIO EI3 EZ-EXTENDER ADV7625 BYPASS CAPS			
Size C	Board No.	A0707-2014	Rev 1.0
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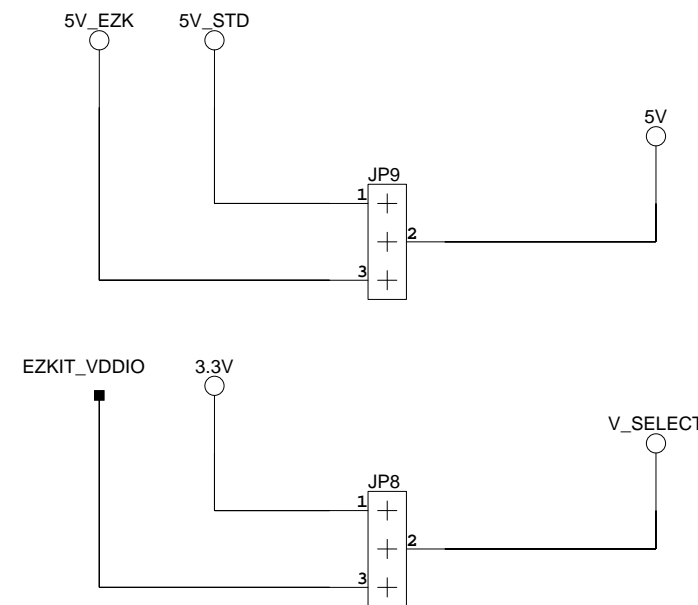
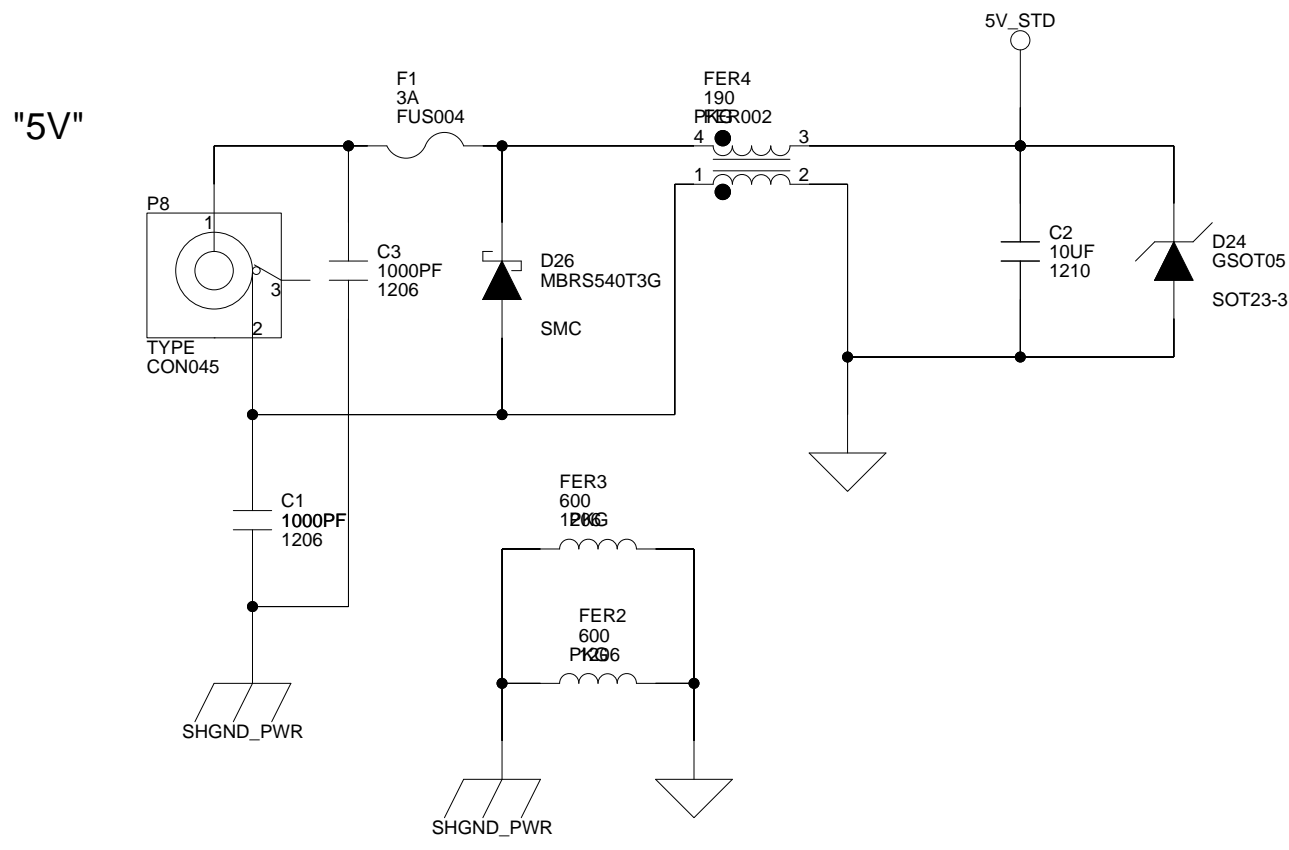
A

B

C

D





JP#	Separate power	EZ-KIT power
JP9	1-2 Default	2-3

JP#	Separate power	EZ-KIT power
JP8	1-2 Default	2-3

