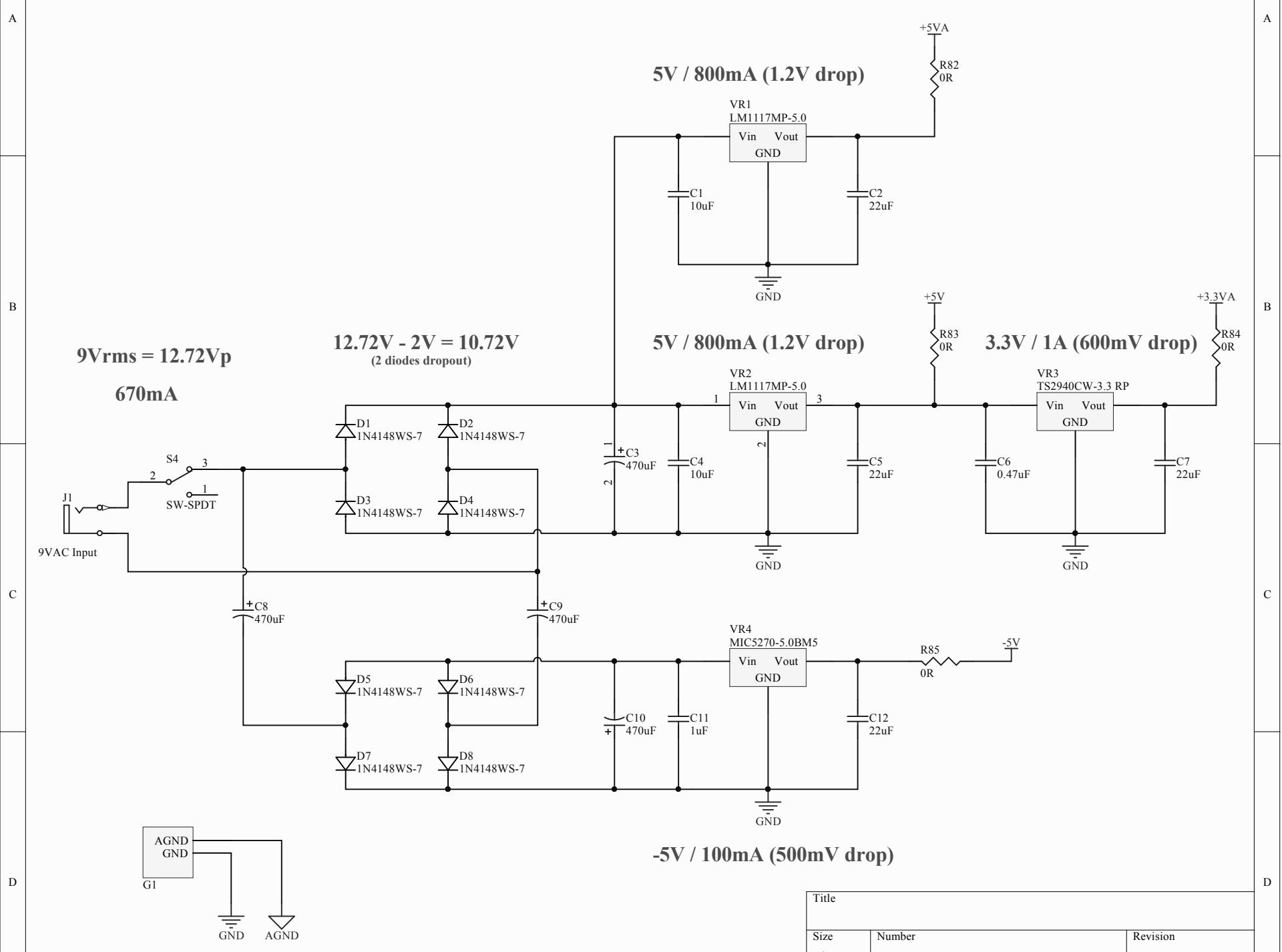
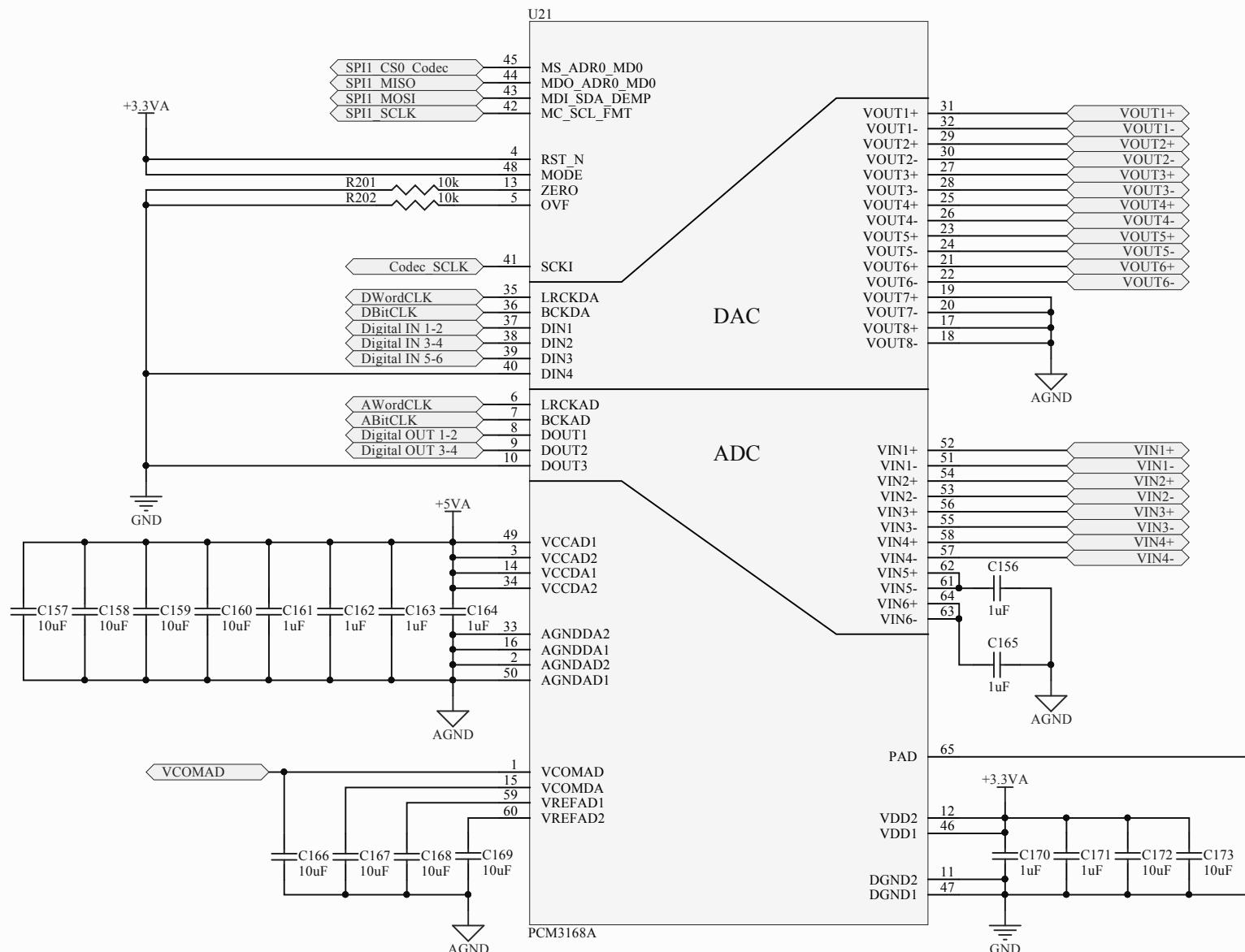


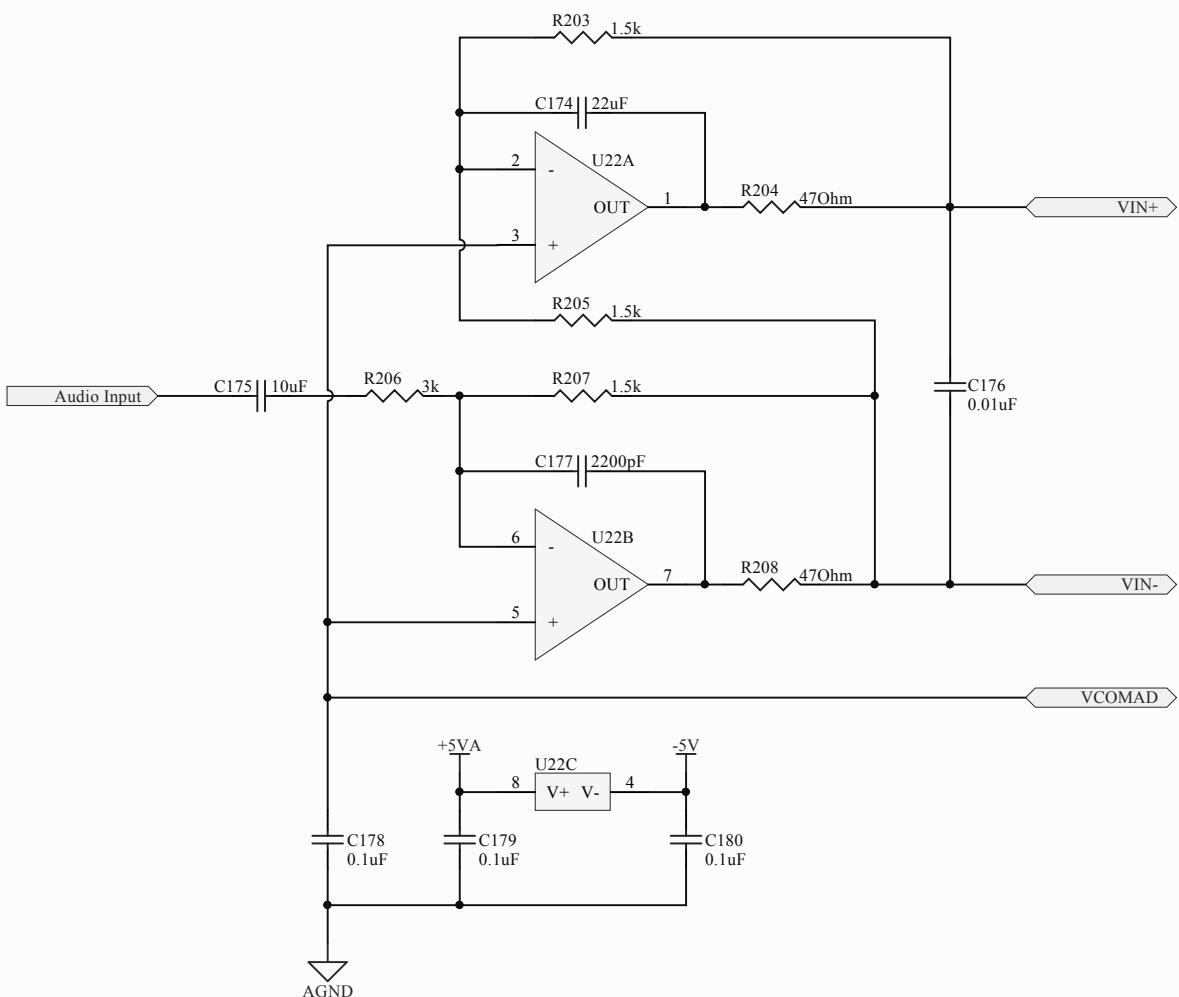
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Size A1	Number	Revision
Date:	4/1/2018	Sheet of
File:	C:\Users..\P0 Main Connect.SchDoc	Drawn By:





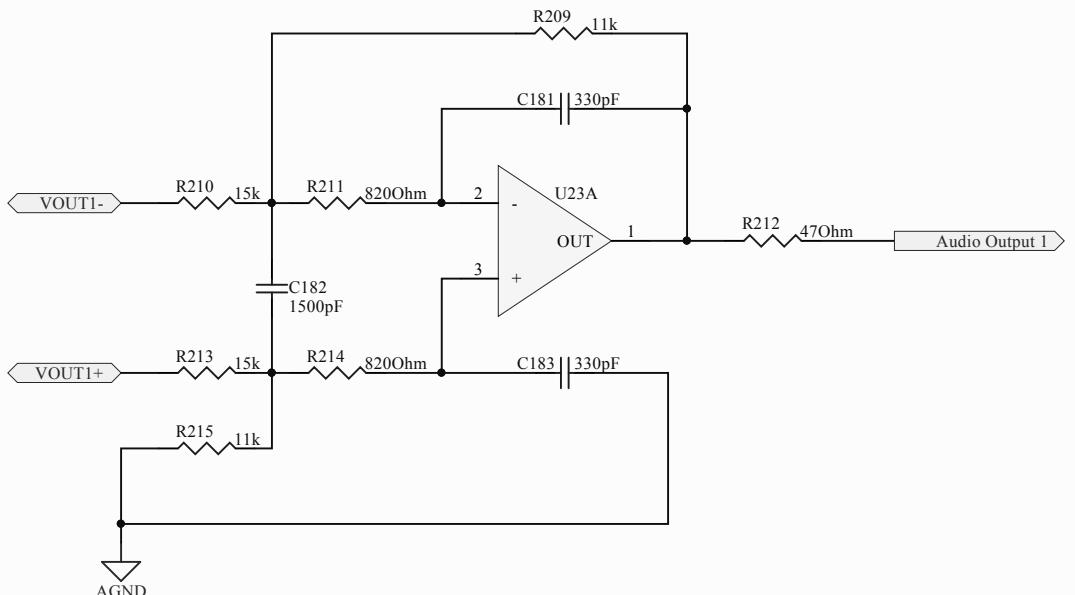
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Size	Number	Revision
A4		
Date: 4/1/2018	Sheet of	
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Title		
Size A4	Number	Revision
Date: 4/1/2018		Sheet of
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A



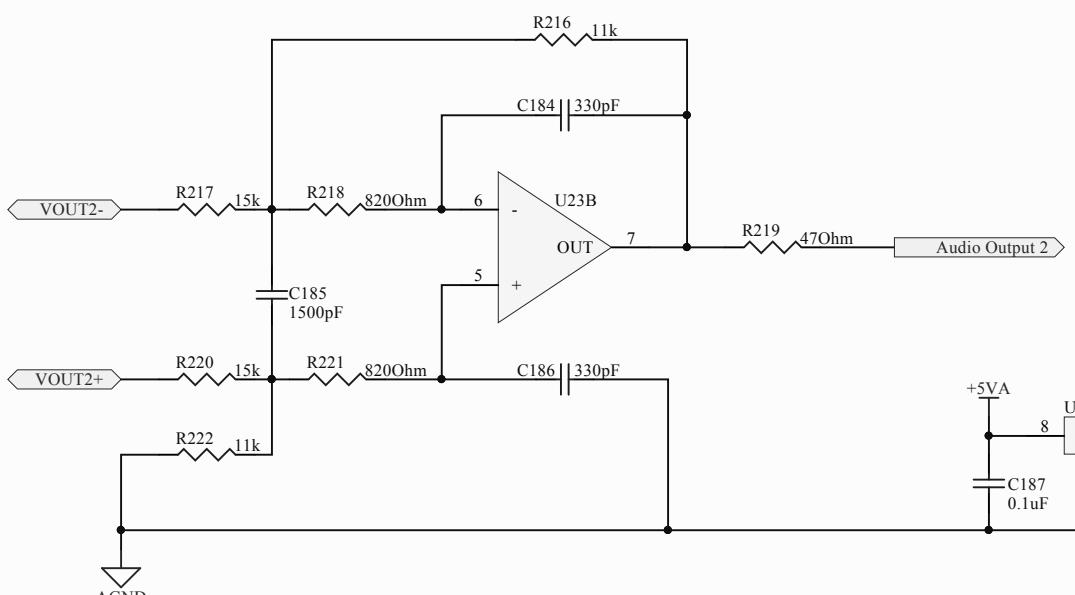
A

B

B

C

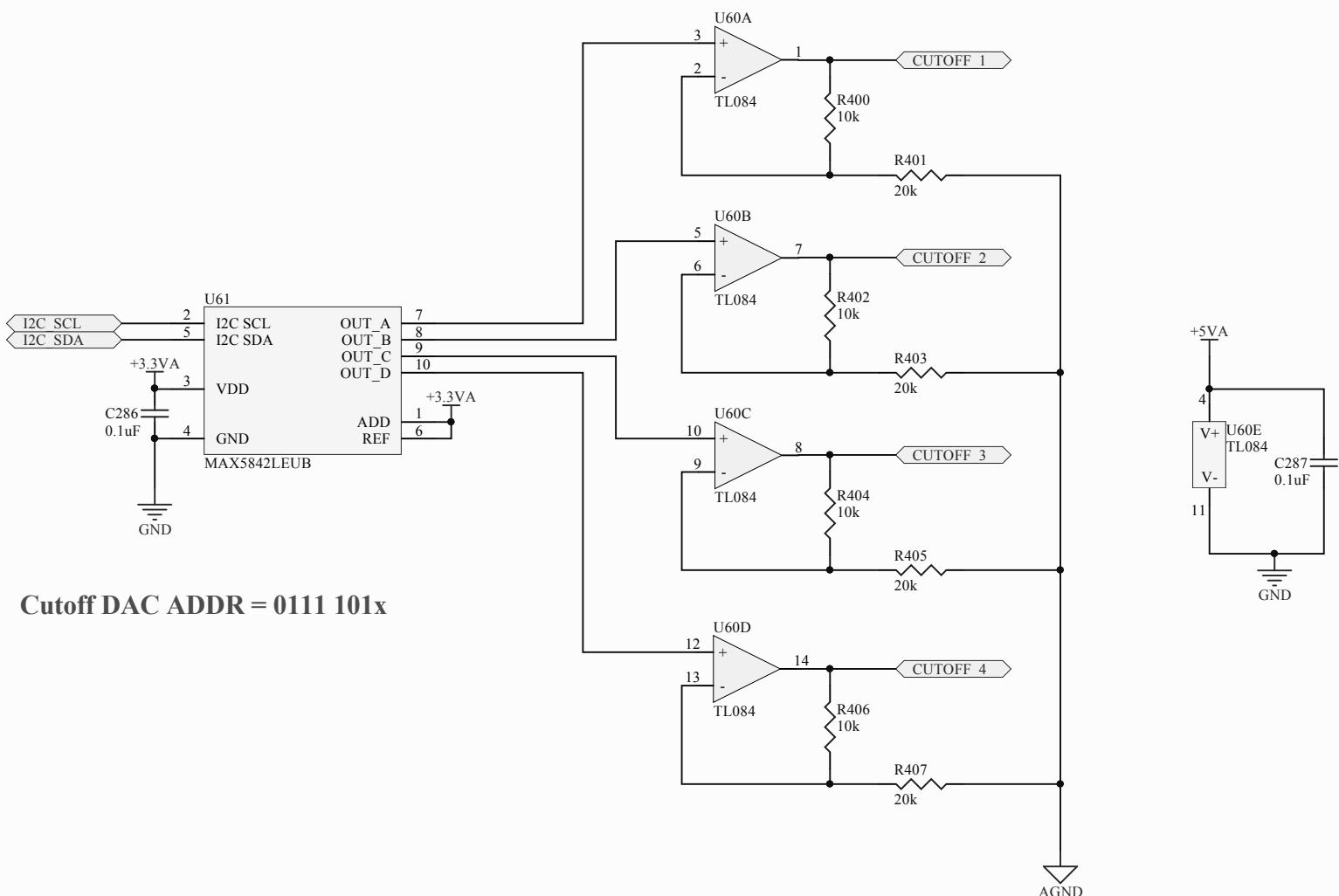
C



D

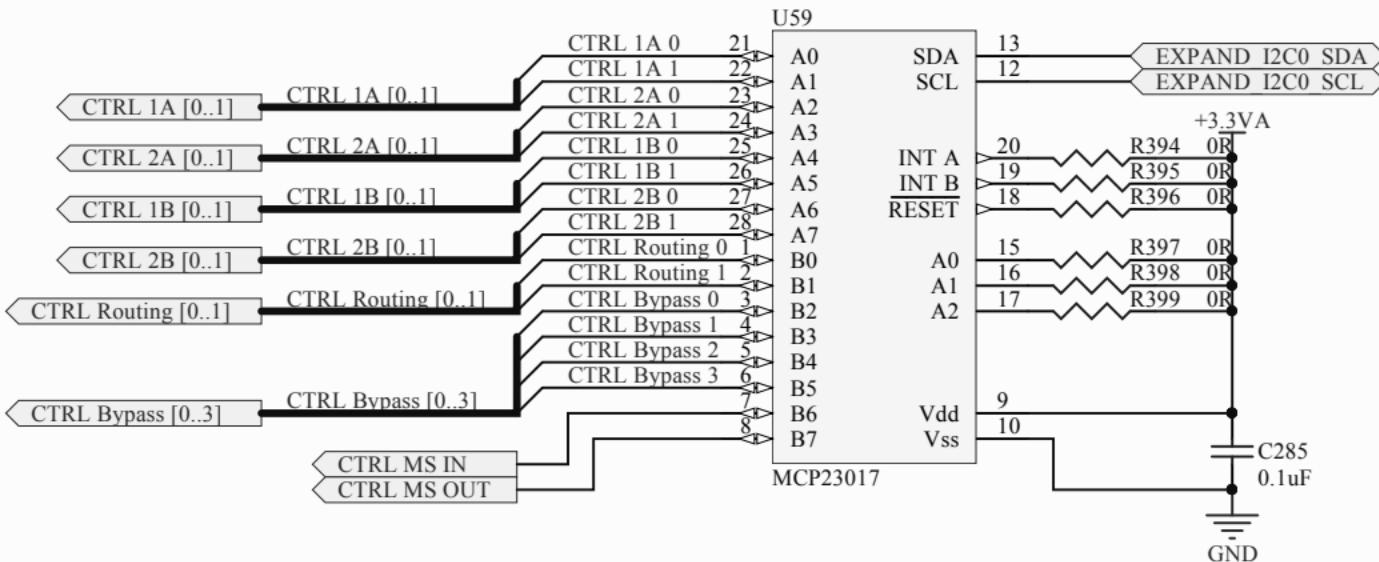
Title

Size A4	Number	Revision
Date: 4/1/2018		Sheet of
File: C:\Users\PC3\Output.SchDoc		Drawn By:



Title		
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Date: 4/1/2018		Sheet of
File: C:\Users..\PC4 DAC Cutoff.SchDoc		Drawn By:

# Expander Address 0100111

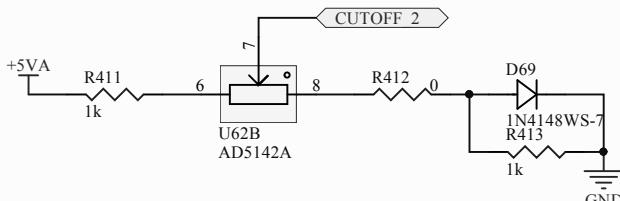
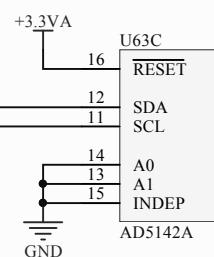
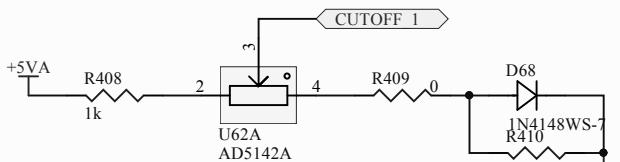
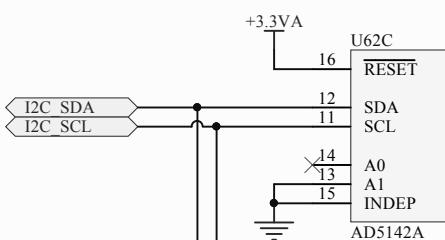


Title

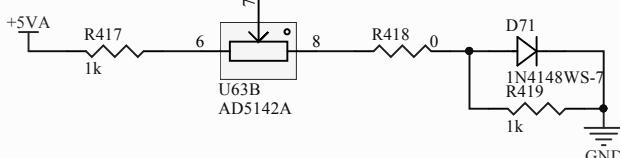
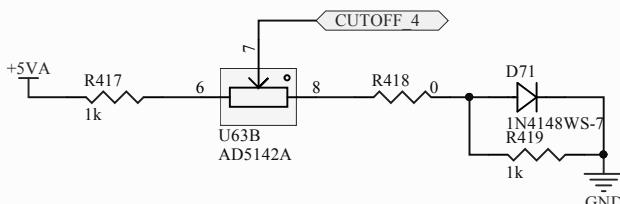
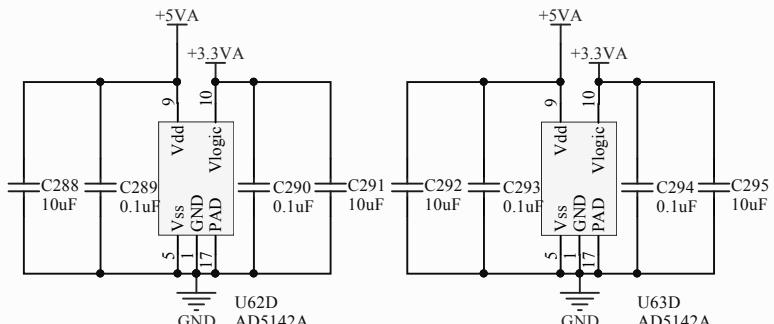
Size	Number	Revision
A		

Date:	4/1/2018	Sheet of
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## Cutoff 1-2 Digi Pot ADDR = 0101 110x



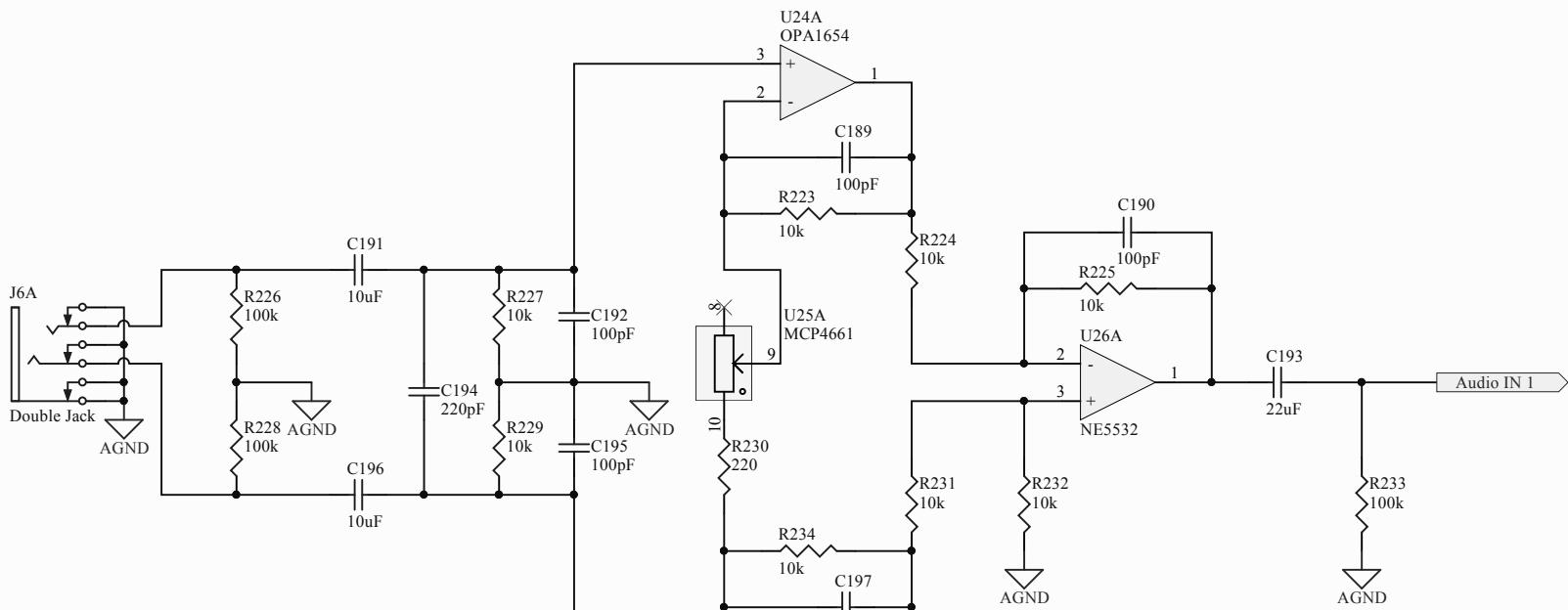
## Cutoff 3-4 Digi Pot ADDR = 0101 111x



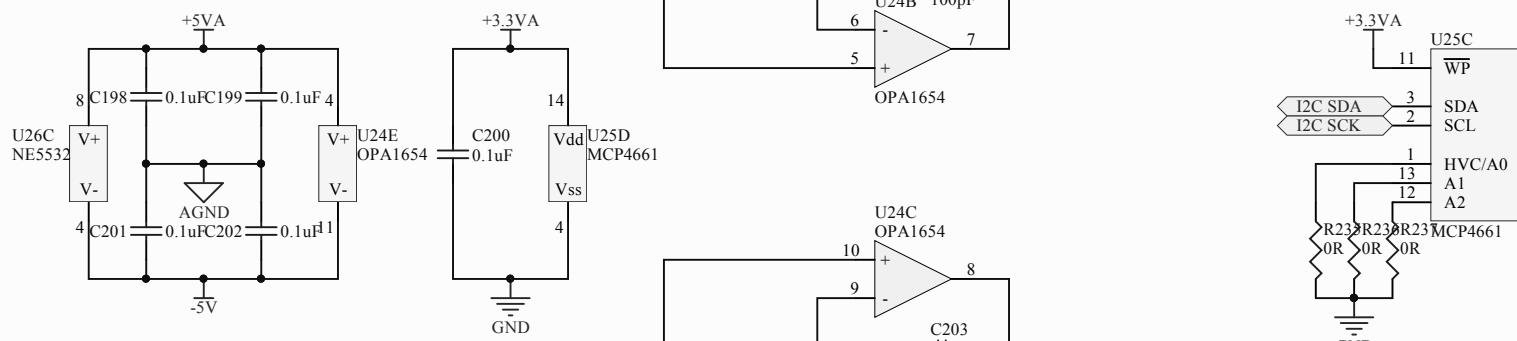
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Size	Number	Revision
A		
Date:	4/1/2018	Sheet of
File:	C:\Users\...\PF11 DigiPot Cutoff.SchDwg	Drawn By:

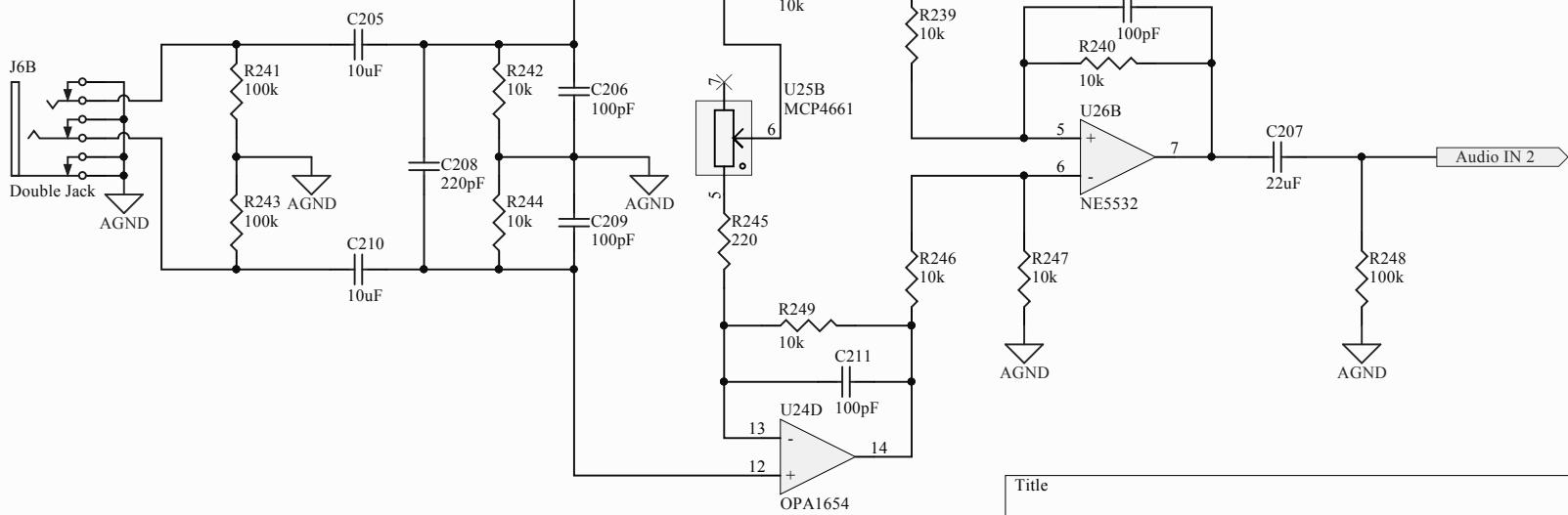
A



B

**In Gain Digi Pot ADDR = 0101 000x**

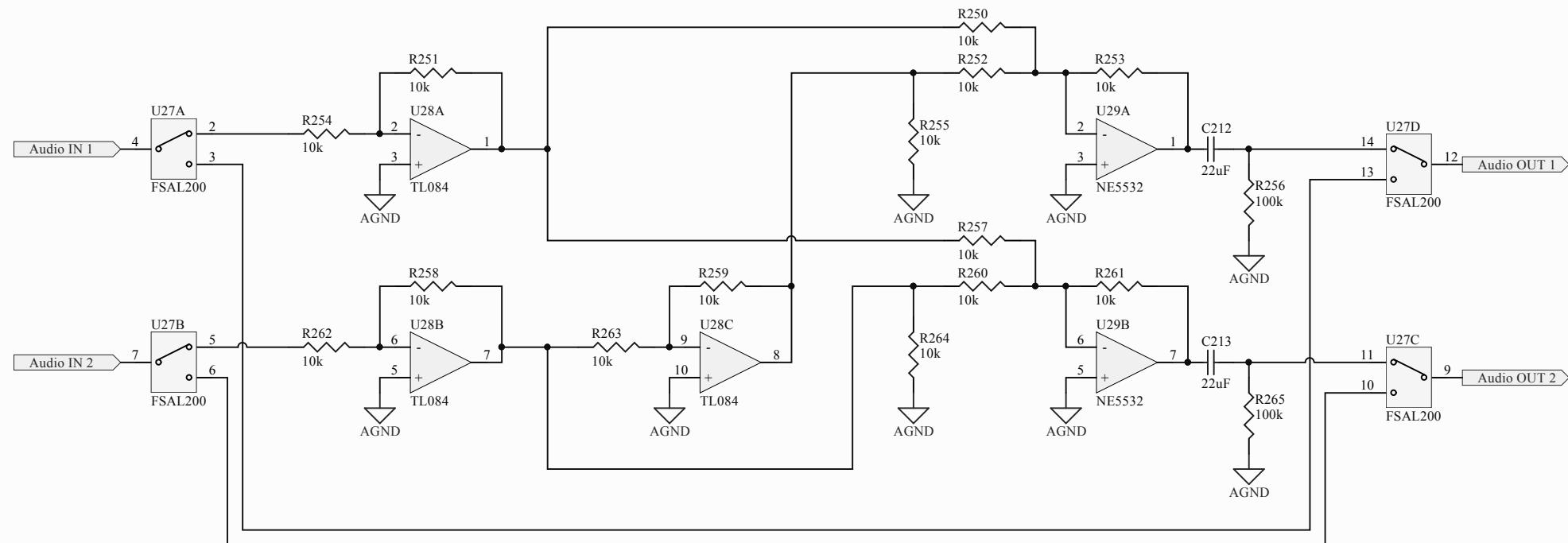
C



D

Title		
Size	Number	Revision
A		
Date:	4/1/2018	Sheet of
File:	C:\Users...\PF2_AudioInput.SchDoc	Drawn By:

A



B

C

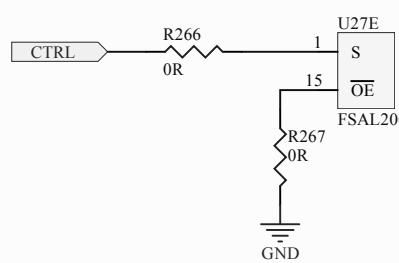
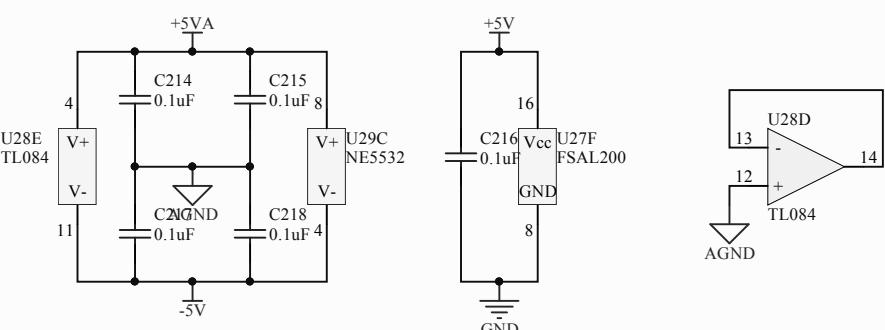
D

A

B

C

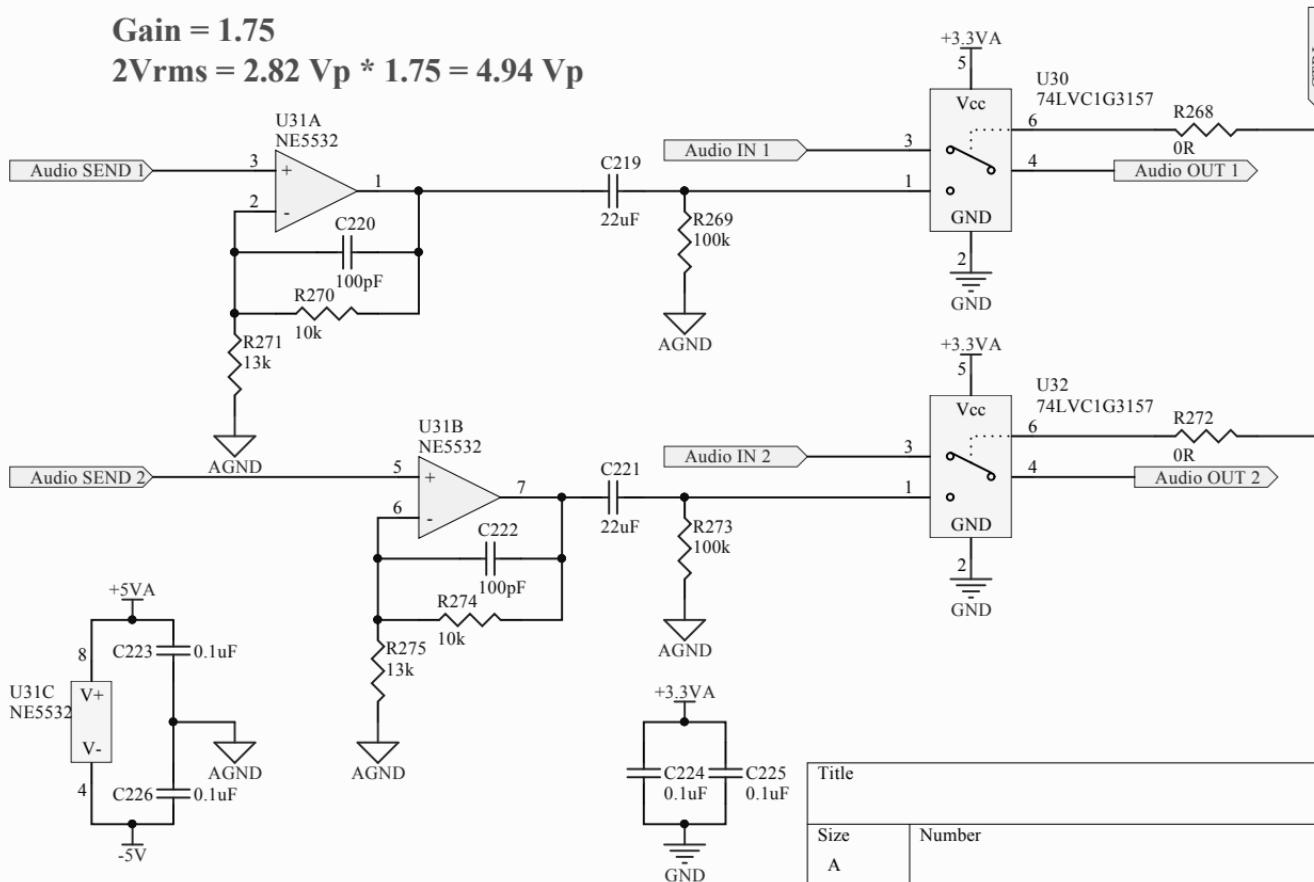
D



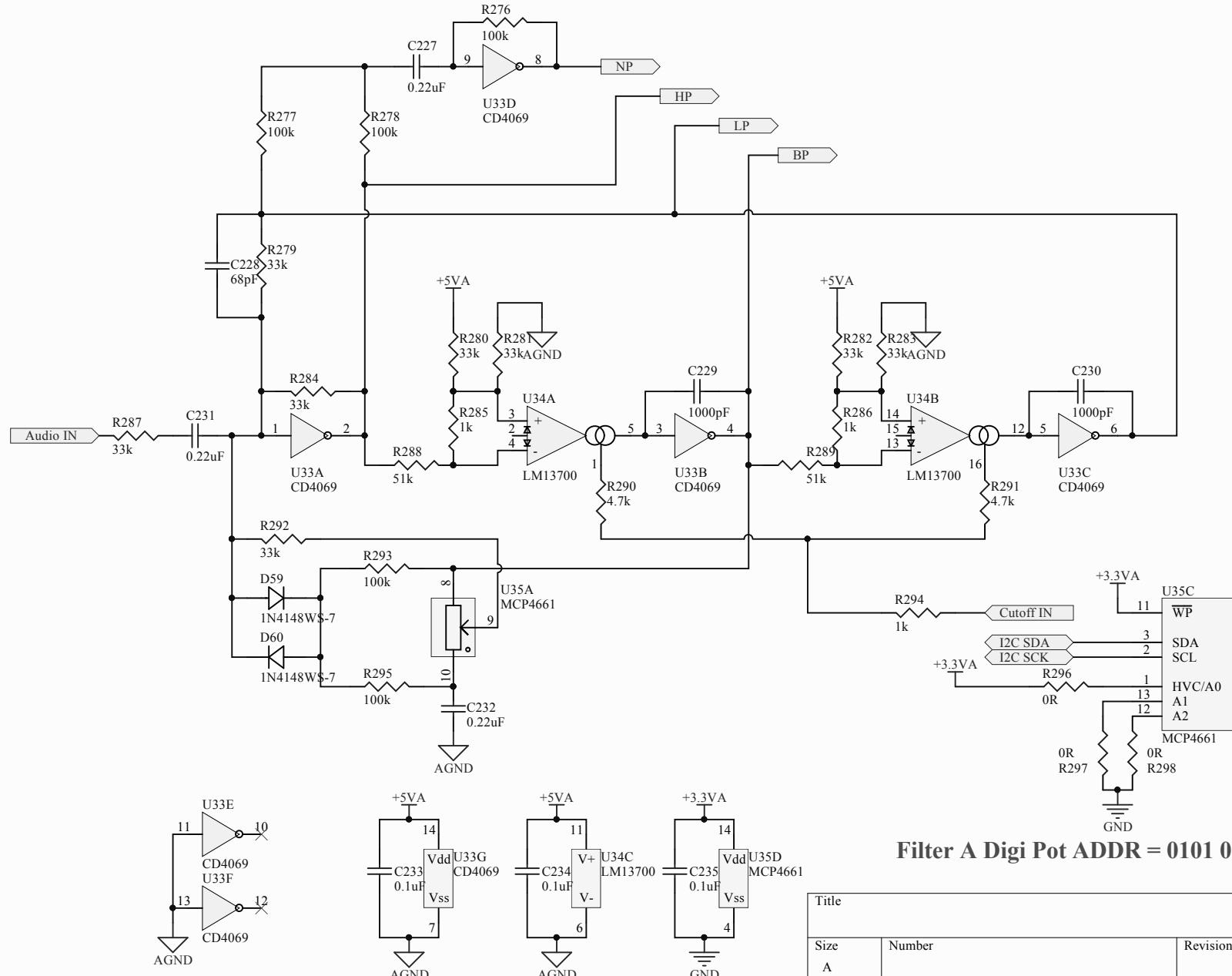
Title		
Size	Number	Revision
A		
Date: 4/1/2018		Sheet of
File: C:\Users\..\PF3_MS.SchDoc		Drawn By:

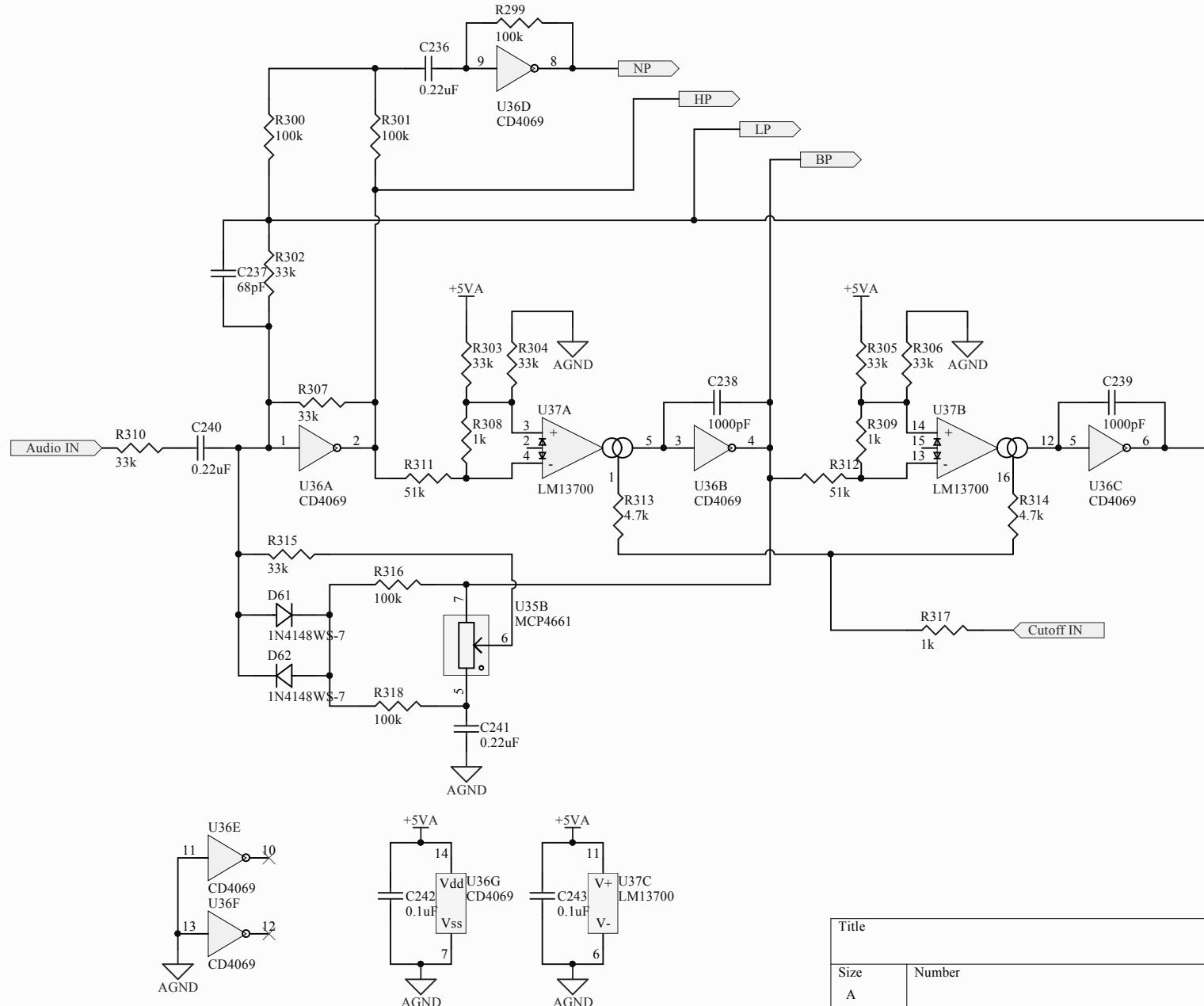
**Gain = 1.75**

$$2V_{rms} = 2.82 \text{ Vp} * 1.75 = 4.94 \text{ Vp}$$



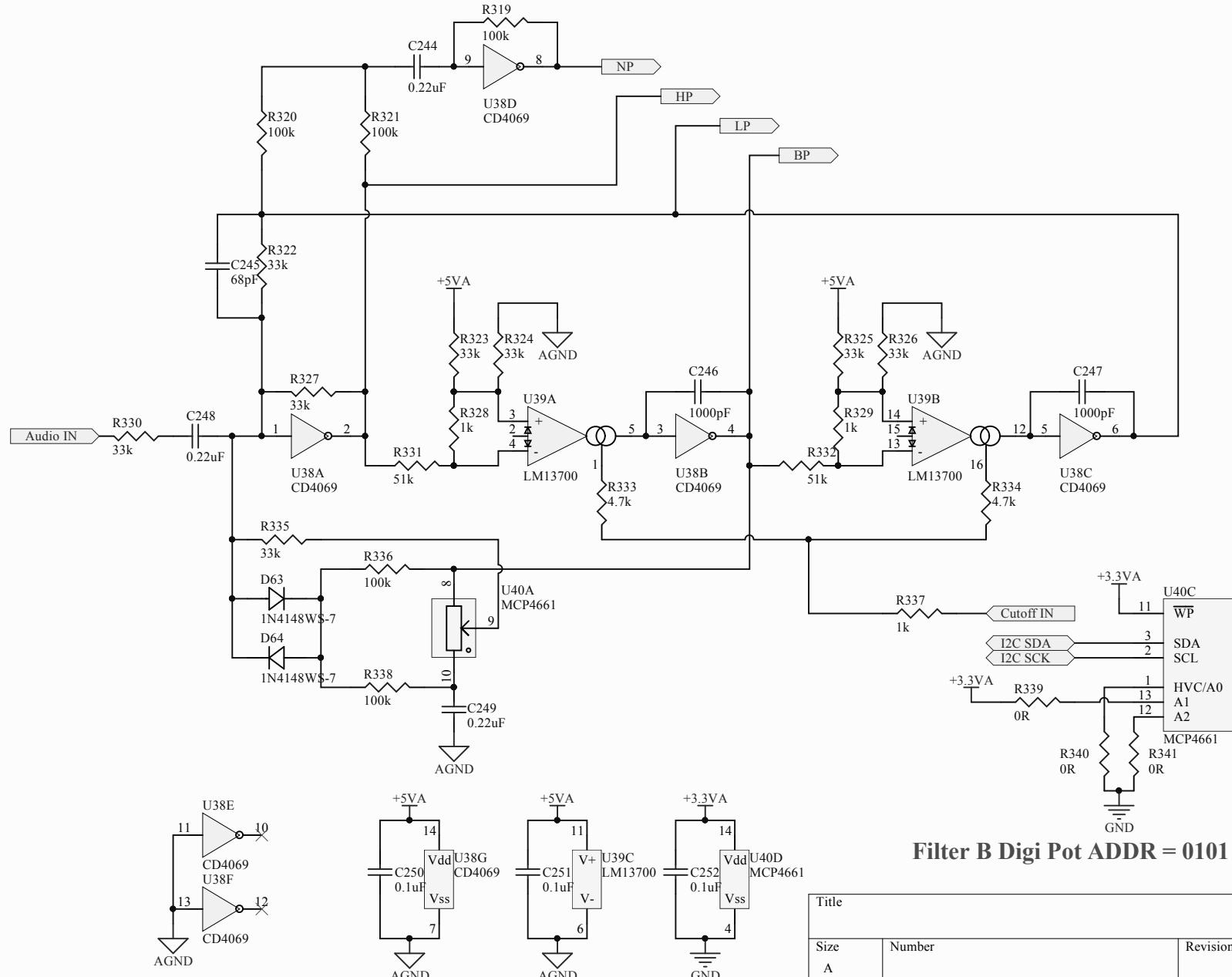
Date:	4/1/2018	Sheet of
File:	C:\Users\...\PF4 DSPBypass.SchDoc	Drawn By:





Title

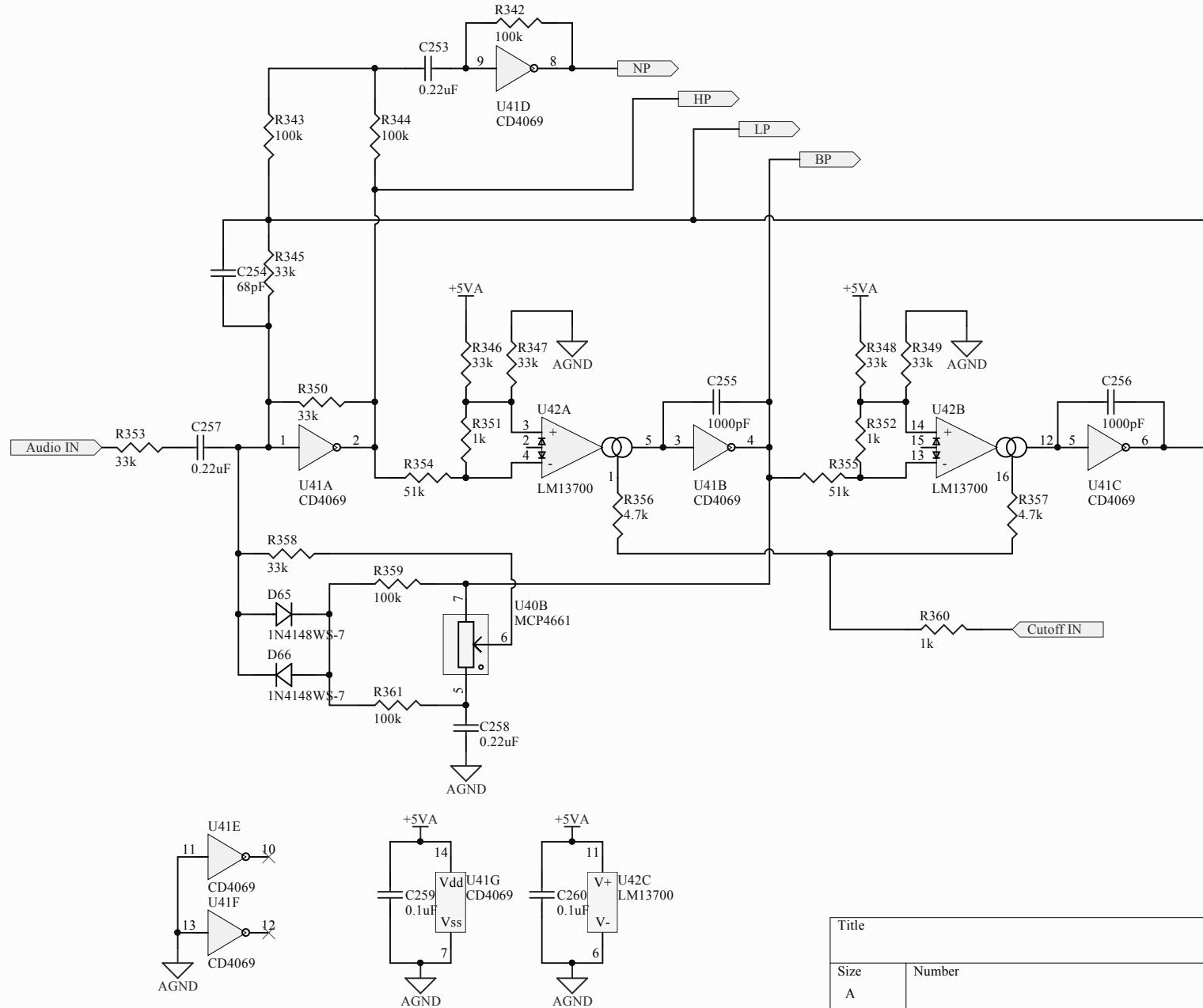
Size	Number	Revision
A		
Date: 4/1/2018	Sheet of	
File: C:\Users\...\PF5b Filter2A.SchDoc		Drawn By:



**Filter B Digi Pot ADDR = 0101 010x**

Title

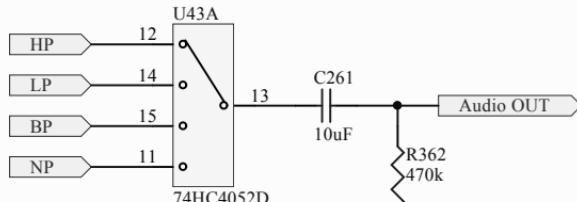
Size	Number	Revision
A		
Date: 4/1/2018	Sheet of	
File: C:\Users\...\PF5c Filter1B.SchDoc		Drawn By:



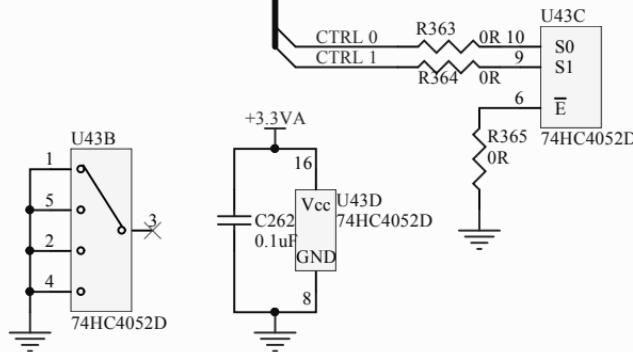
Title

Size	Number	Revision
A		
Date: 4/1/2018	Sheet of	
File: C:\Users\...\PF5d Filter2B.SchDoc		Drawn By:

A



B



C

Title

Size  
A

Number

Revision

Date: 4/1/2018

Sheet of

File: C:\Users\...\PF6\_FilterMode.SchDoc

Drawn By:

A

B

C

D

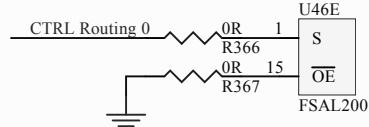
	1A	2A	1B	2B	Out1	Out2
Stereo	In1	In2	1A	2A	1B	2B
Dual Mono	//	1A	In2	1B	2A	//
Single Mono	//	//	//	//	1A	1B

Audio IN 2 → From Audio IN 2

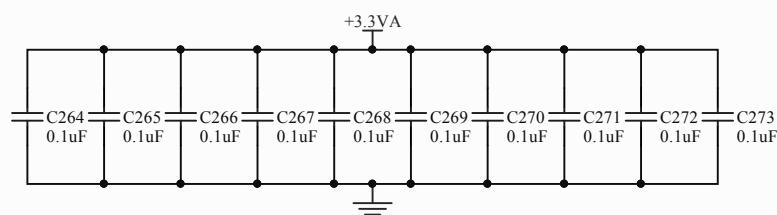
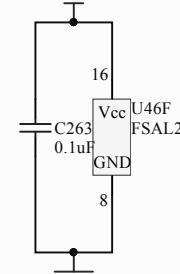
Audio IN 1 → To 1A

From Audio IN 2 2 → U46A  
From 1A → 3 → To 2AFrom 1A → 5 → U46B  
From Audio IN 2 6 → 7 → To 1BFrom 2A → 11 → U46C  
From 1B → 10 → 9 → To 2B

CTRL Routing [0..1] → CTRL Routing [0..1]

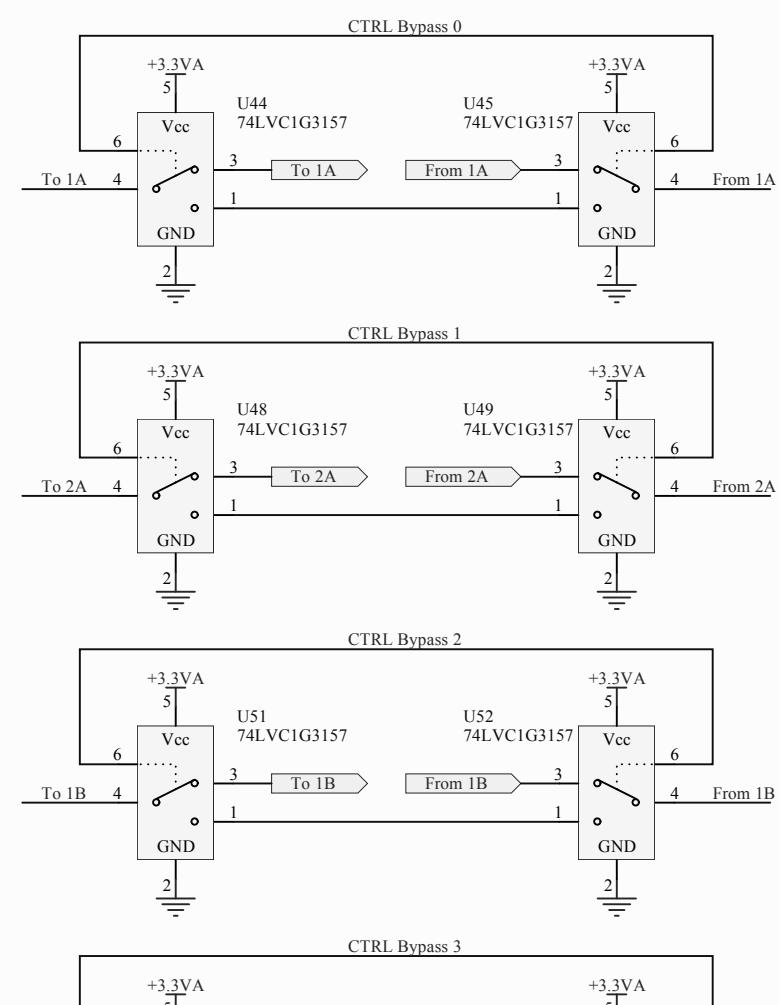


## FILTER ROUTING



## FILTER BYPASS

CTRL Bypass [0..3] → CTRL Bypass [0..3]

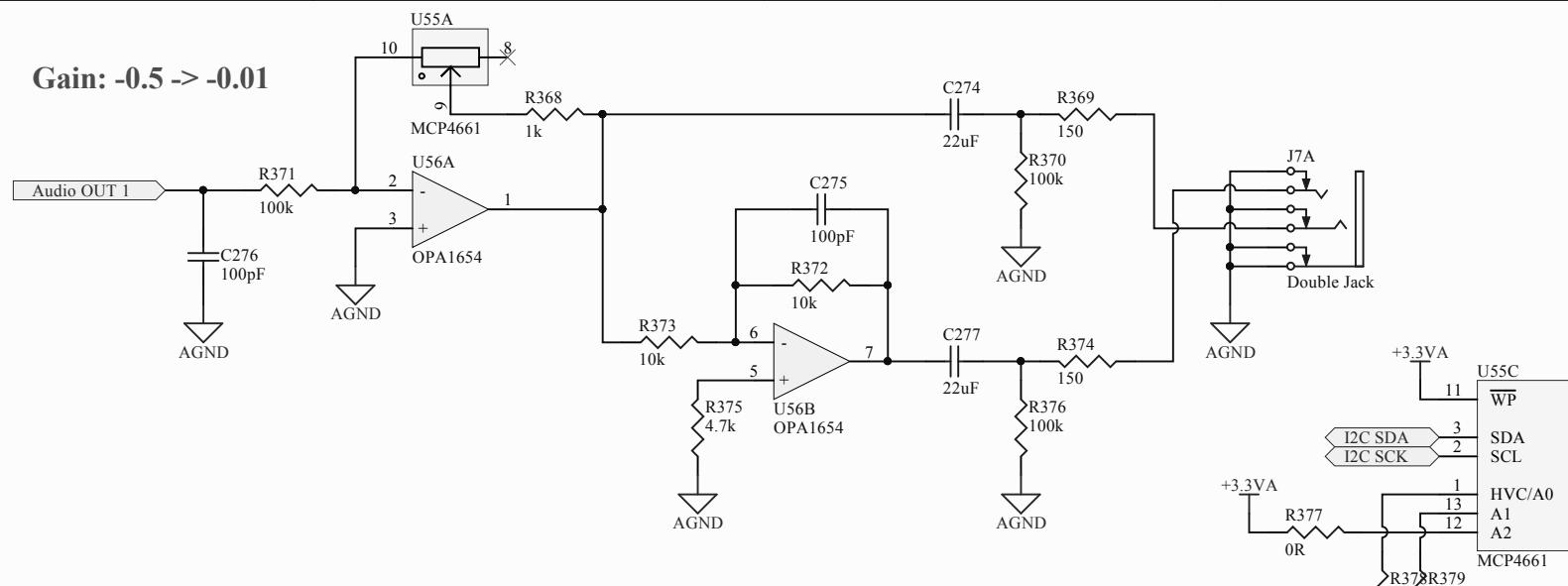


Title

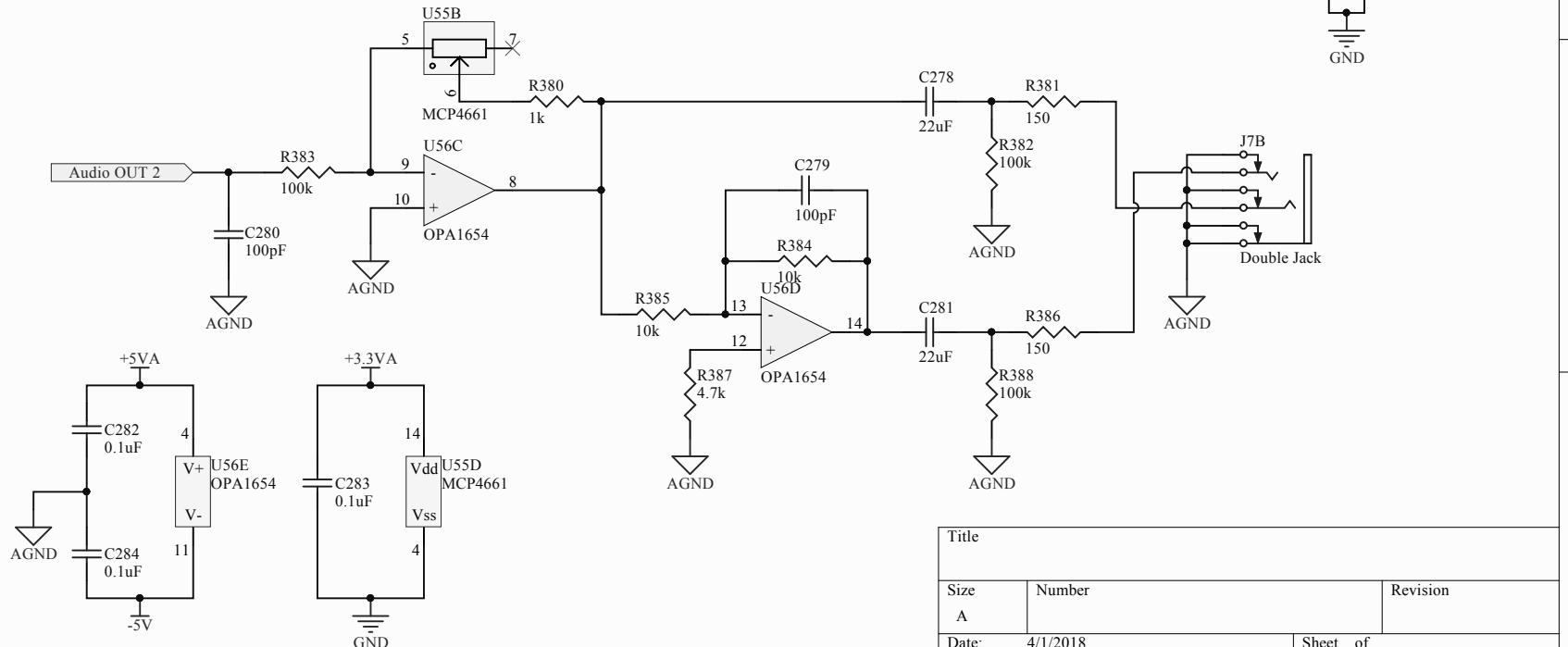
Size A	Number	Revision
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Date: 4/1/2018	Sheet of
File: C:\Users\...\PF7 FilterRoutingBypass.SchDoc	Drawn By:

**Gain: -0.5 > -0.01**



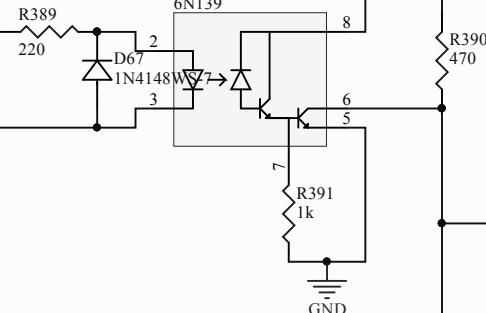
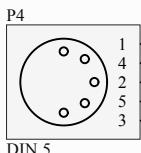
**Output Digi Pot ADDR = 0101 100x**



Title

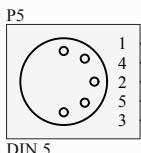
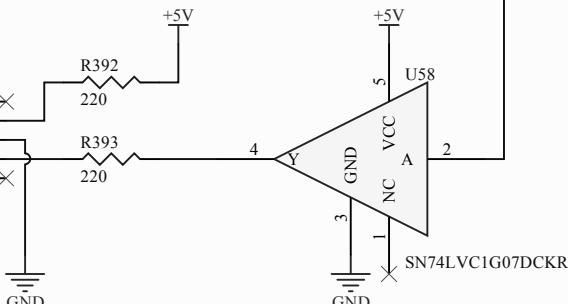
Size	Number	Revision
A		
Date: 4/1/2018	Sheet of	
File: C:\Users\...\PF8_AudioOutput.SchDoc		Drawn By:

A

**MIDI IN**

B

A

**MIDI THRU**

C

B

C

D

D

Title

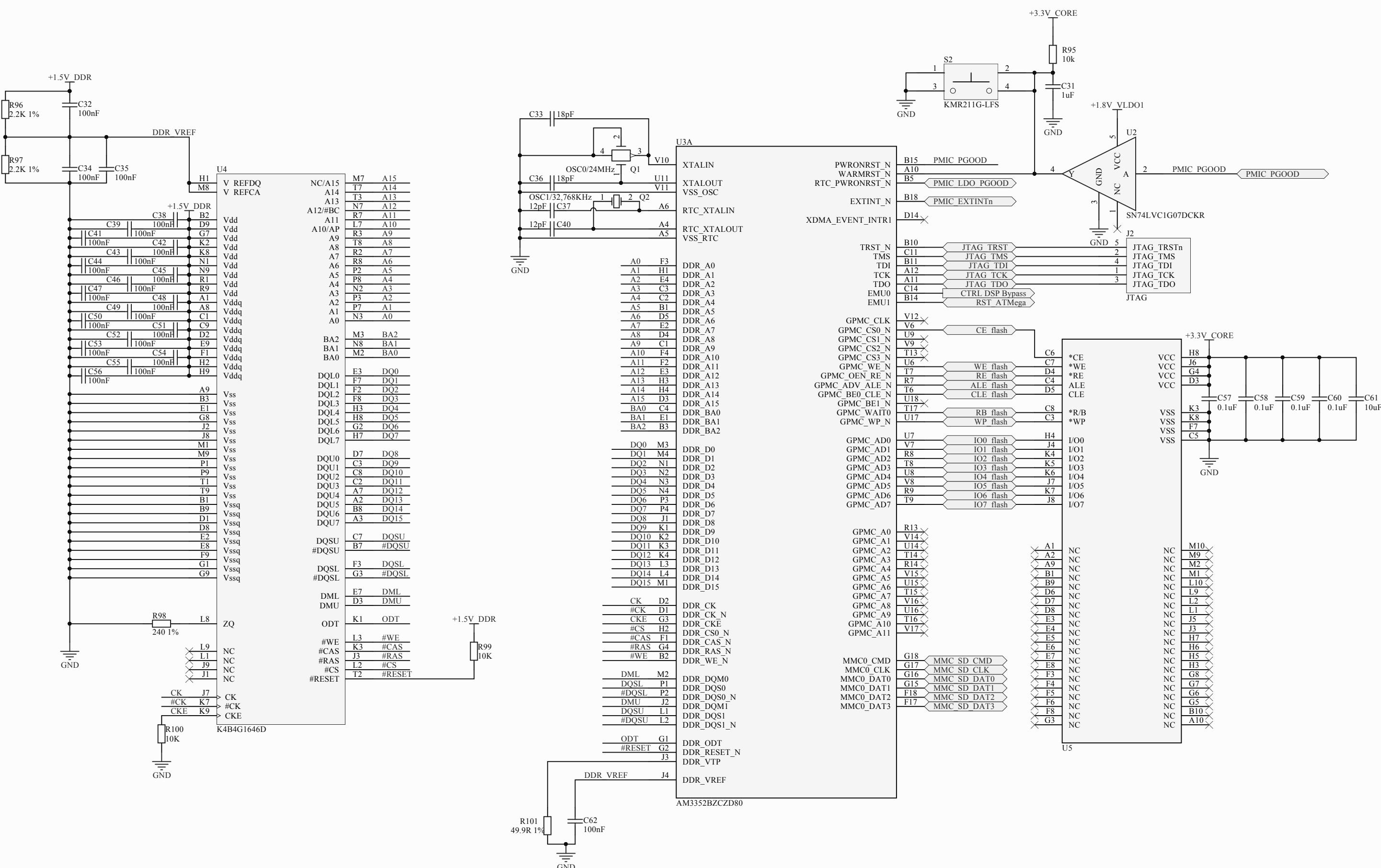
Size	Number	Revision
A		

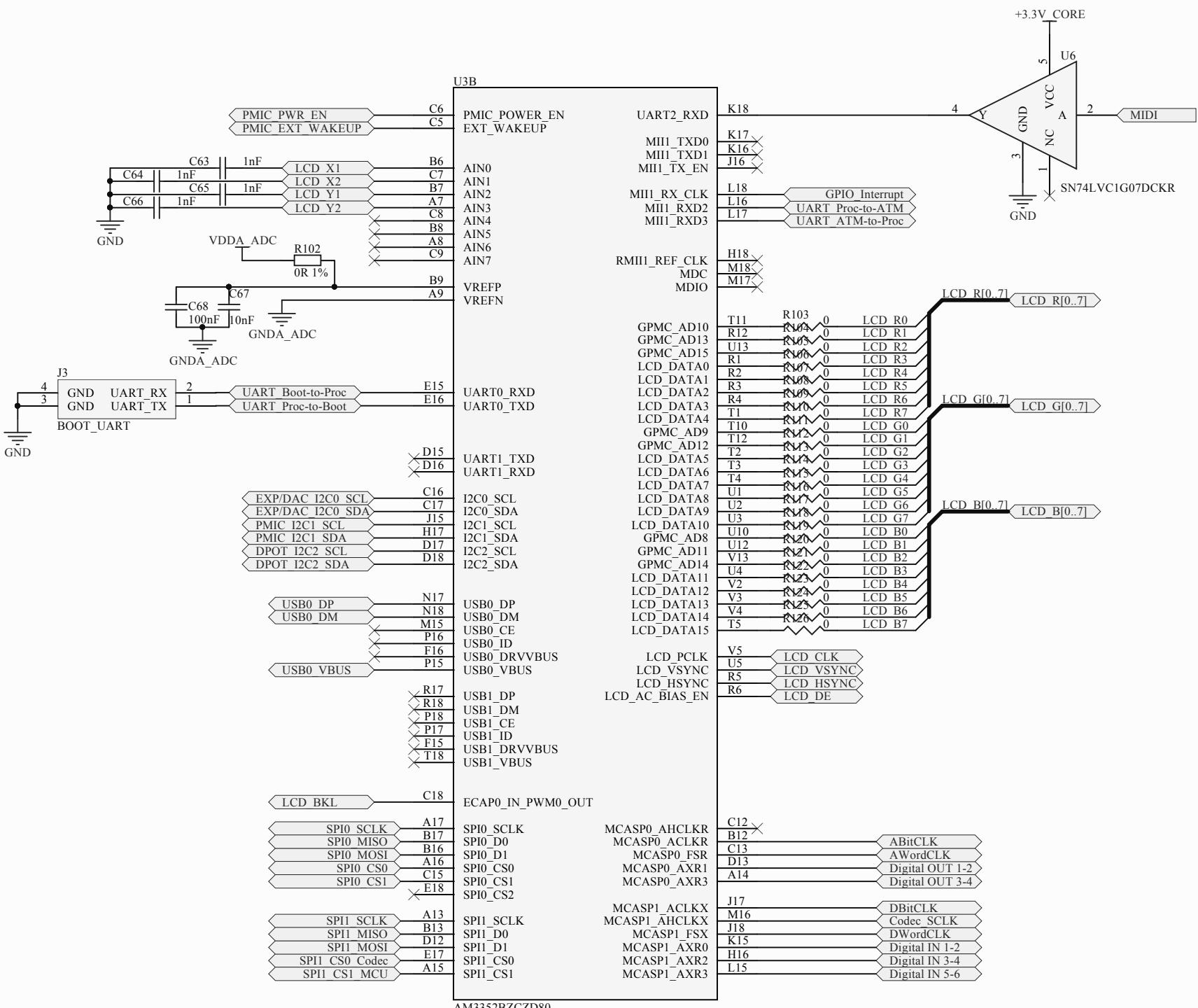
Date: 4/1/2018

Sheet of

File: C:\Users\..\PF9\_MIDI.SchDoc

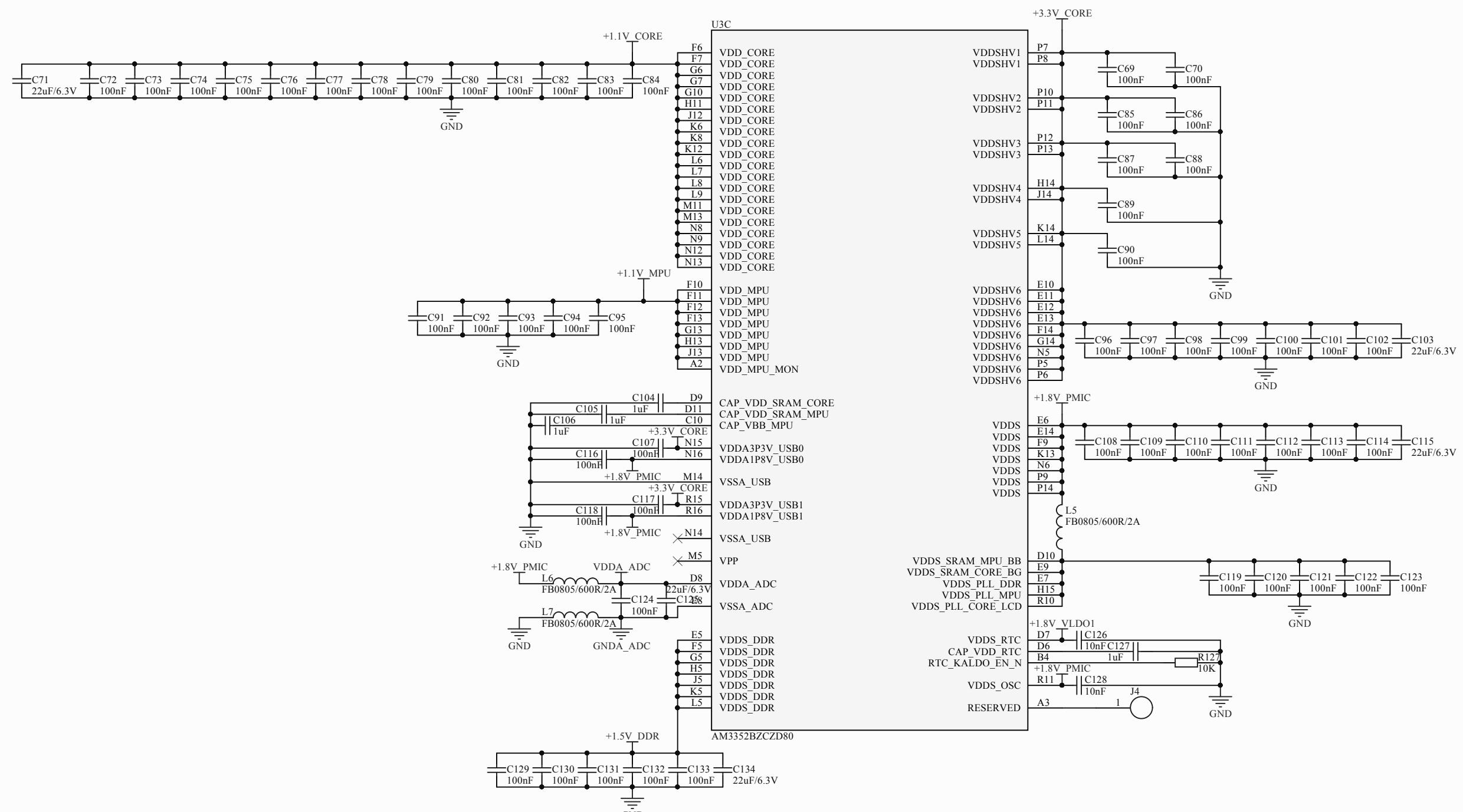
Drawn By:





Title		
Size	Number	Revision
A3		
Date: 4/1/2018	Sheet of	
File: C:\Users\.\PP2.ptB.SchDoc		Drawn By:

A



Title		
Size A3	Number	Revision
Date: 4/1/2018	Sheet of	
File: C:\Users\..\\PP3_ptC_Alim.SchDoc	Drawn By:	

A

A

B

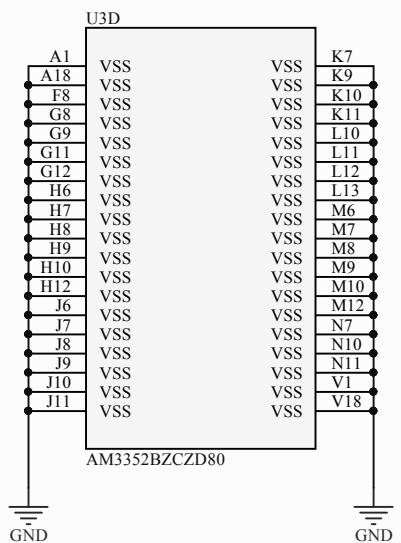
B

C

C

D

D

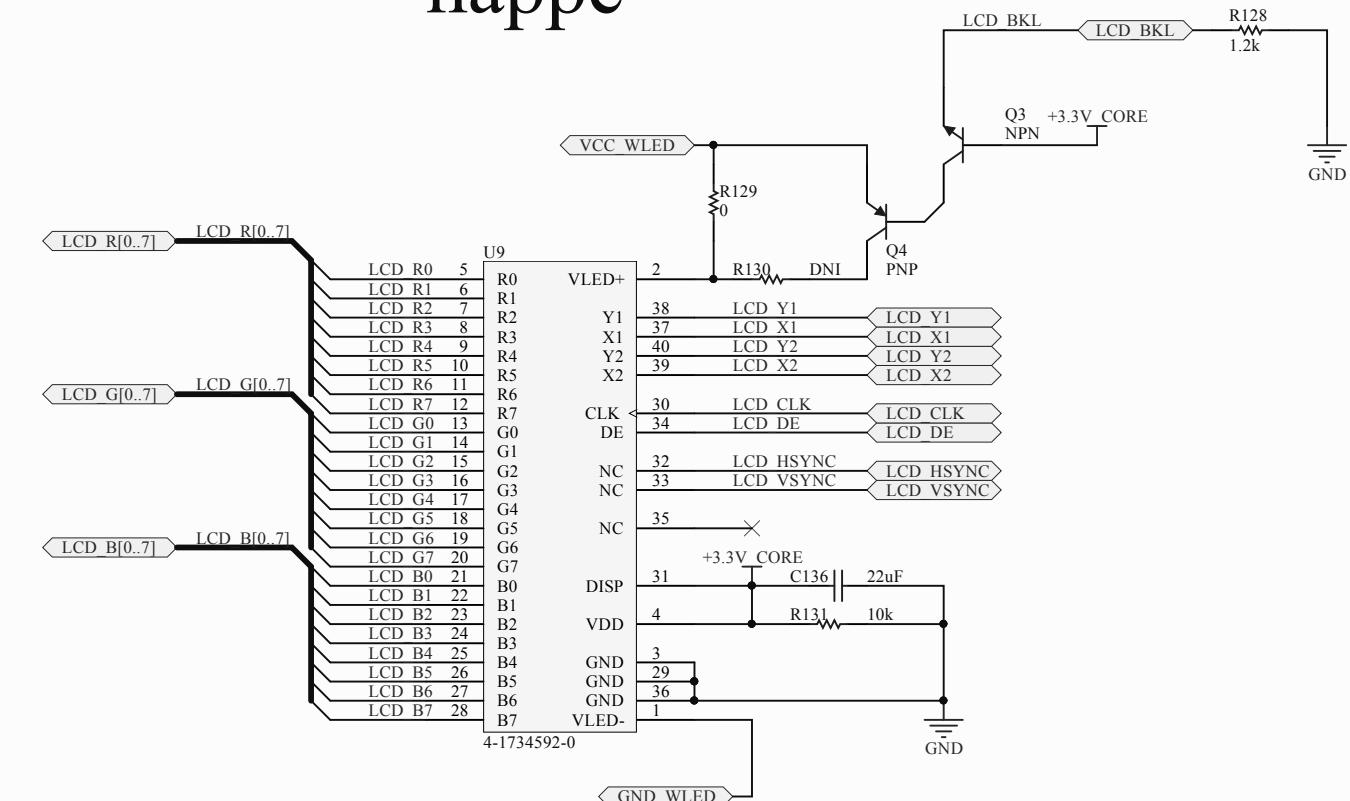
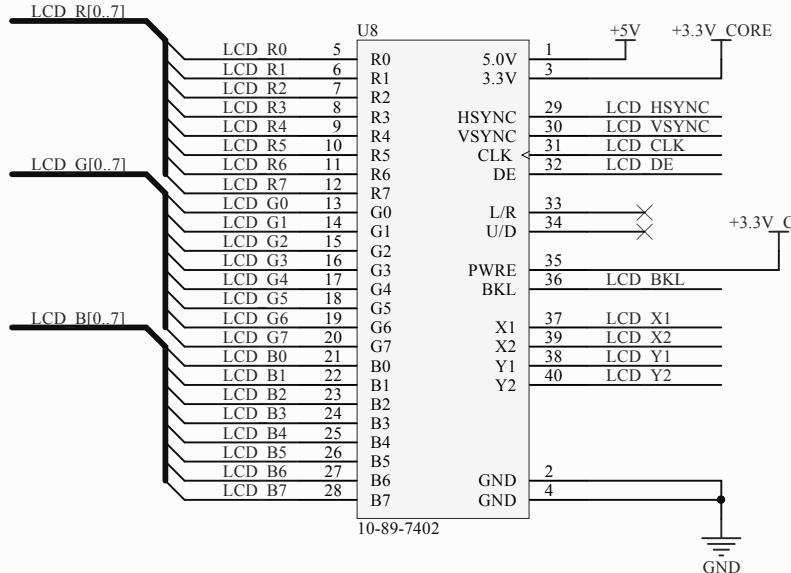


## Title

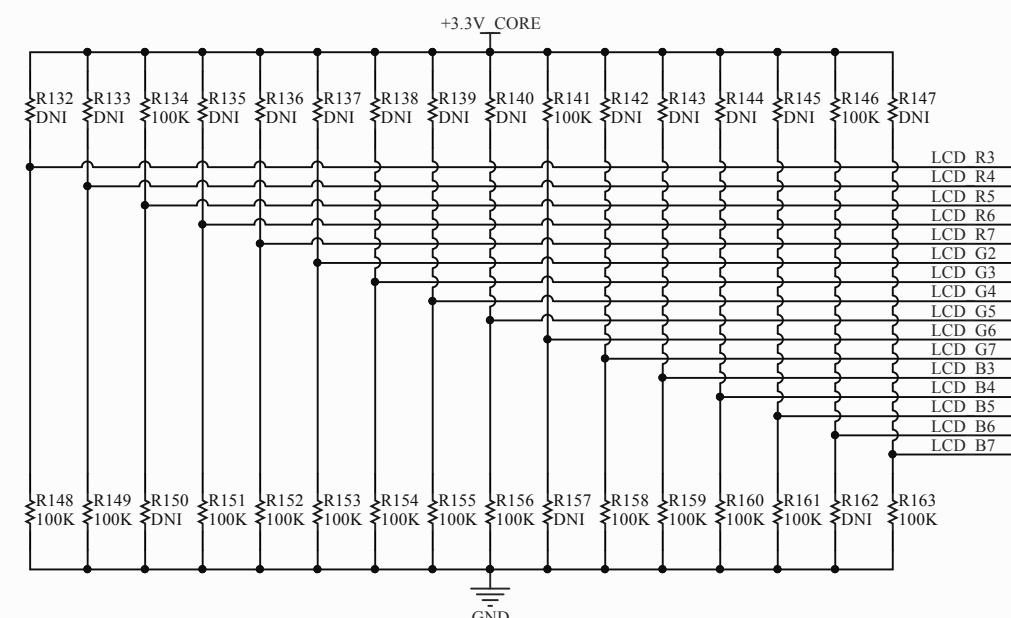
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Date:	4/1/2018	Sheet of
File:	C:\Users\PP4.pD.GND.SchDoc	Drawn By:

# 02X20

# nappe



# BOOT



0010 0000 0100 0010

Title		
Size	Number	Revision
A3		
Date: 4/1/2018	Sheet of	
File: C:\Users\..\PP6_LCD.SchDoc		Drawn By:

1

2

3

4

5

6

A

A

B

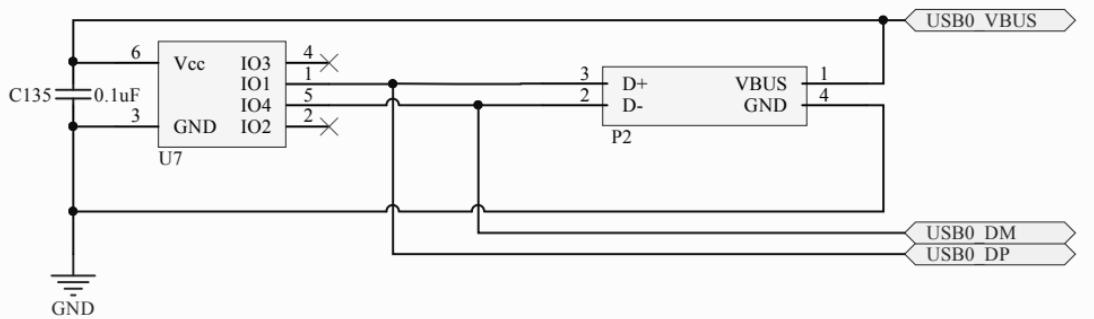
B

C

C

D

D



1

2

3

4

5

6

A

A

B

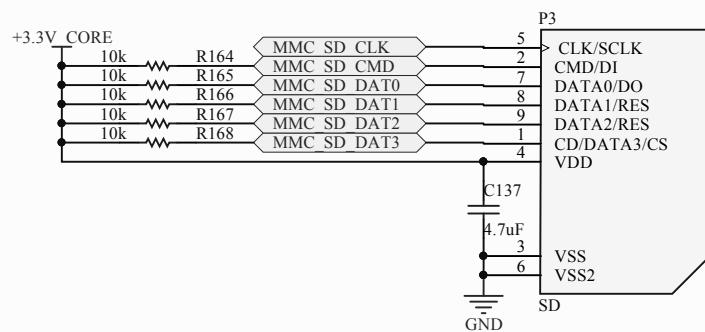
B

C

C

D

D



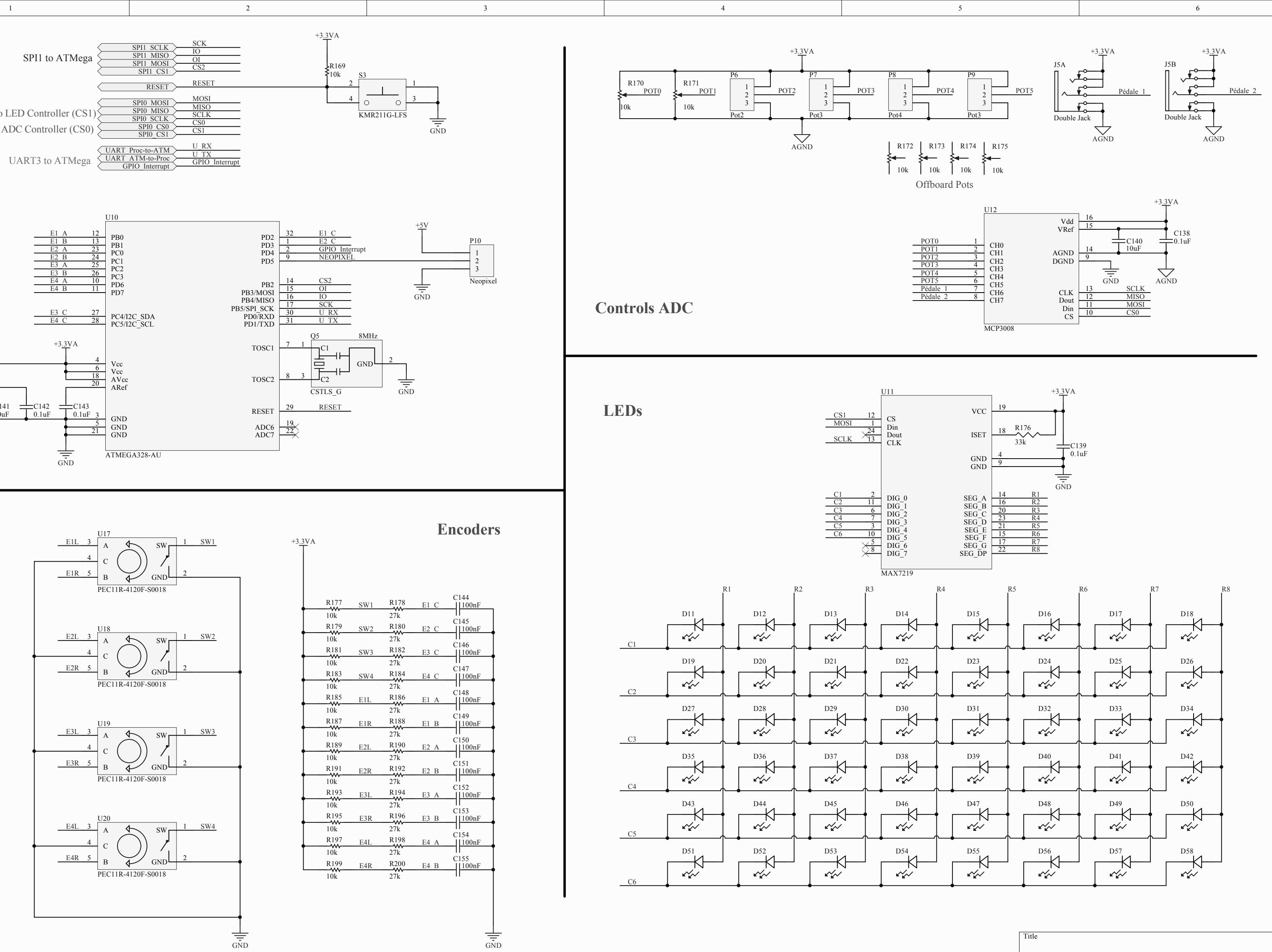
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Size  
A

Number

Revision

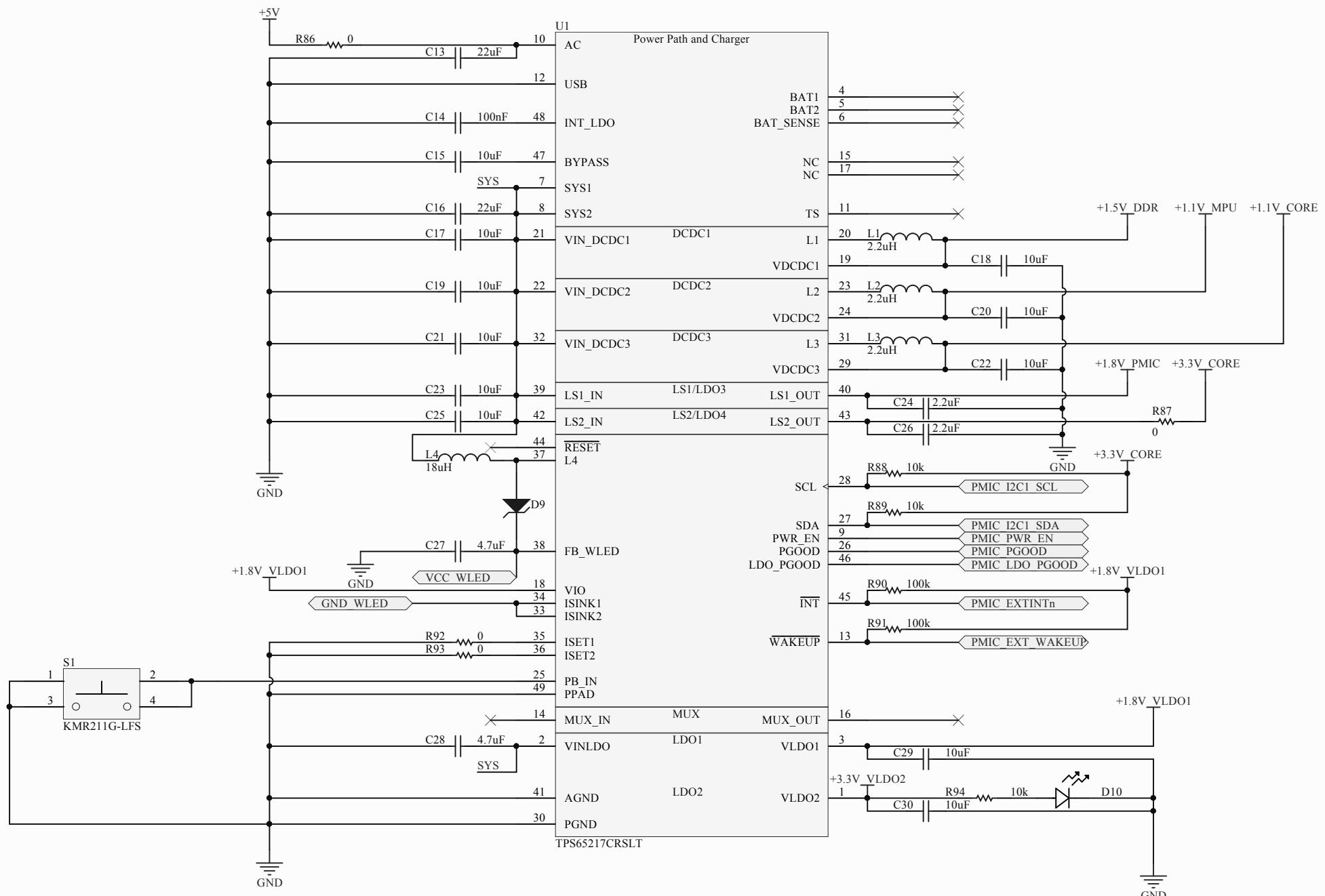
Date: 4/1/2018  
File: C:\Users\...\PP8 MMC.SchDocSheet of  
Drawn By:



Title		
Size	Number	Revision
A3		
Date:	4/1/2018	Sheet of
File:	C:\Users\PS\Controle_ADC-LED.SchDoc	Drawn By:

A

A



B

B

C

C

D

D

Title		
Size A3	Number	Revision
Date: 4/1/2018	Sheet of	
File: C:\Users\..\PX_PMIC.SchDoc	Drawn By:	