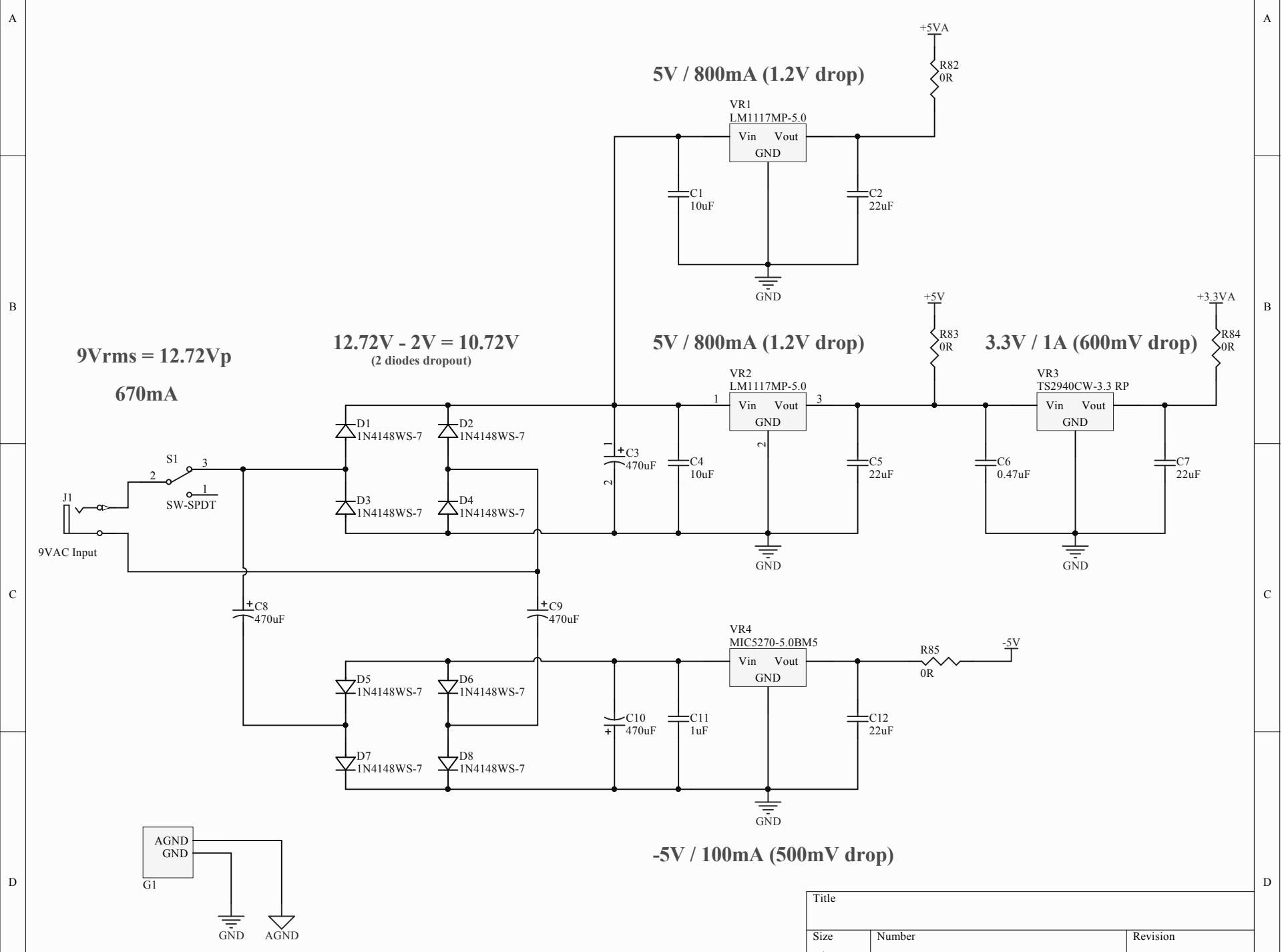
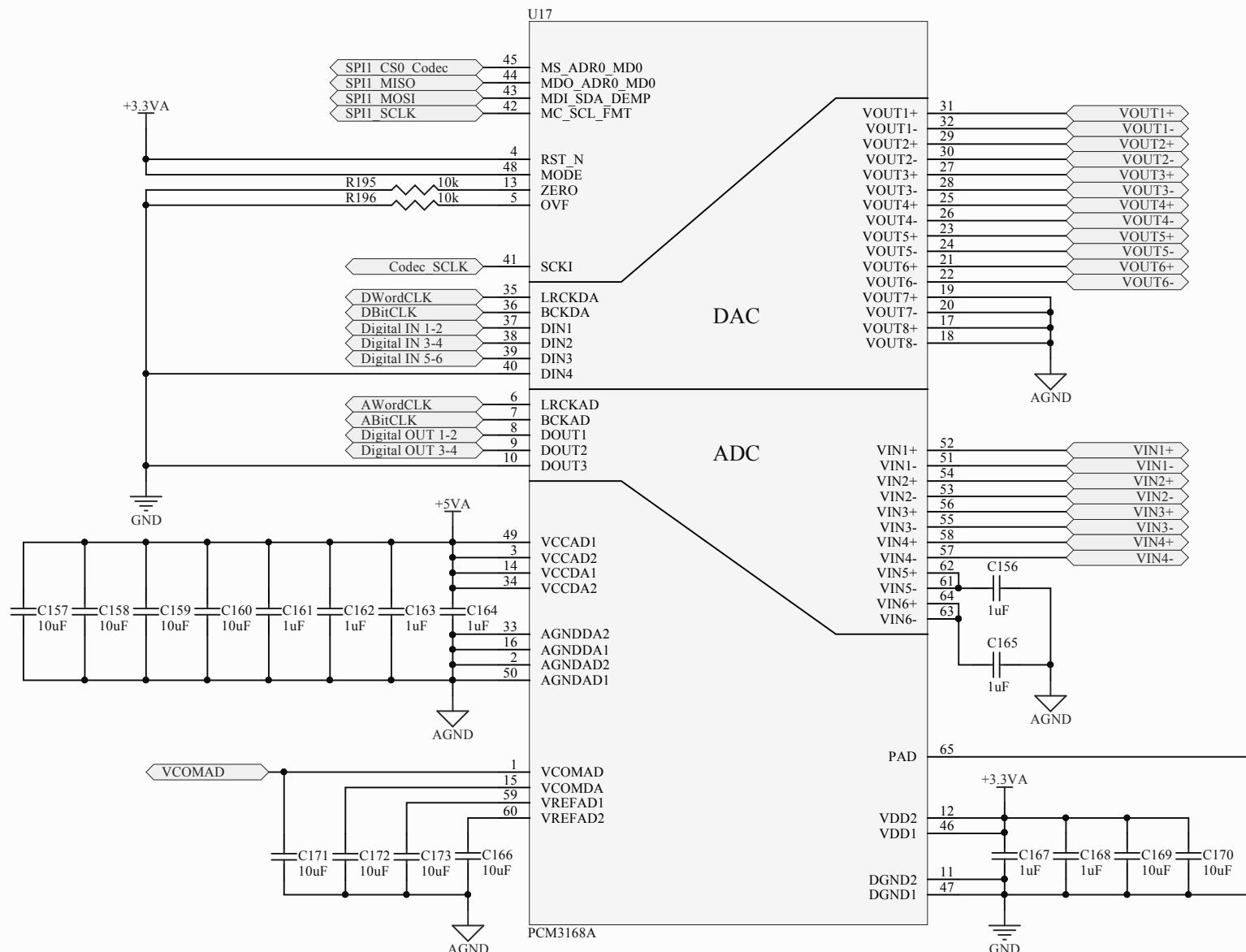


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Size A1	Number	Revision
Date:	4/3/2018	Sheet of
File:	C:\Users\..\P0 Main Connect.SchDoc	Drawn By:





Title

Size Number

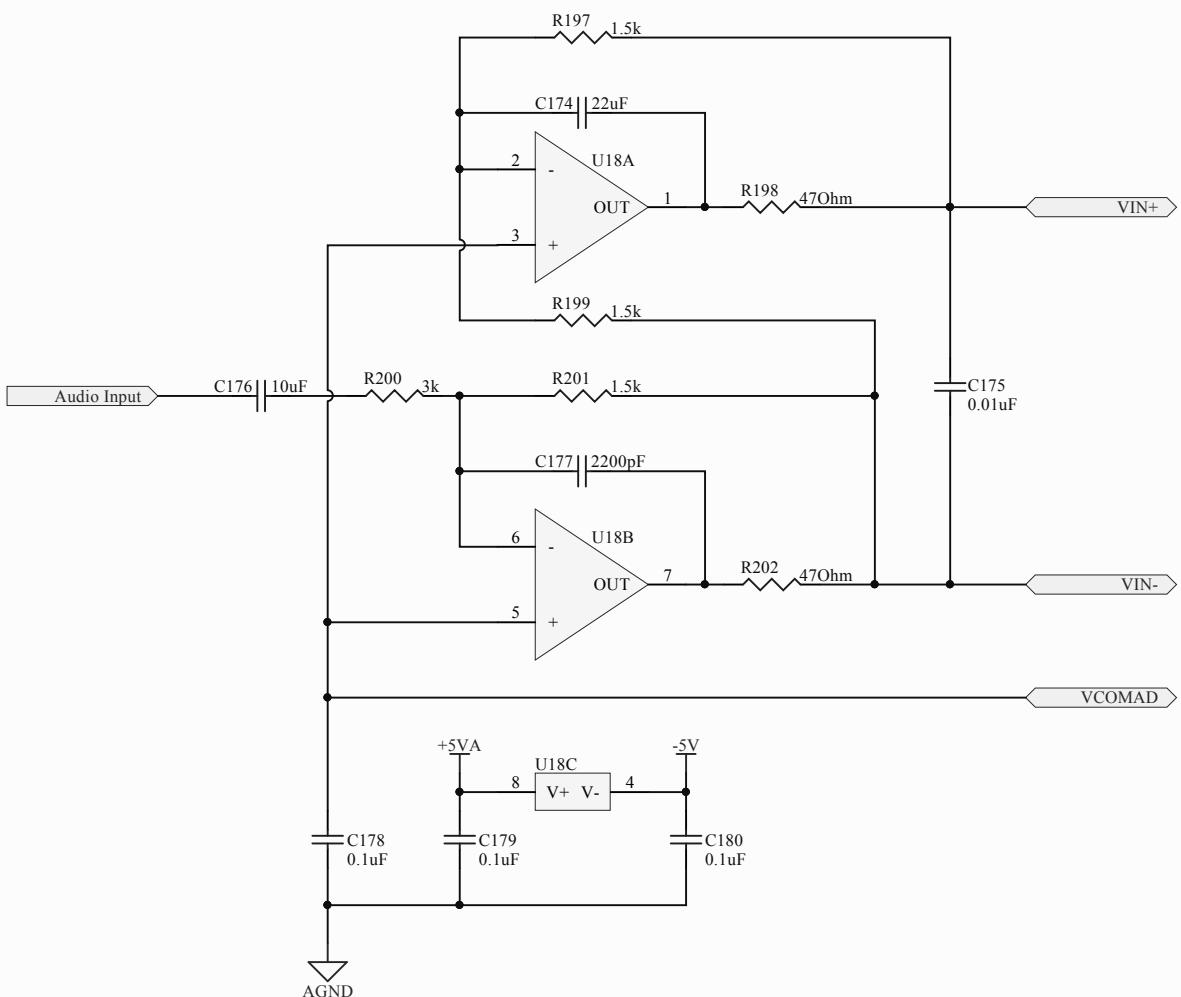
A4 Revision

Date: 4/3/2018

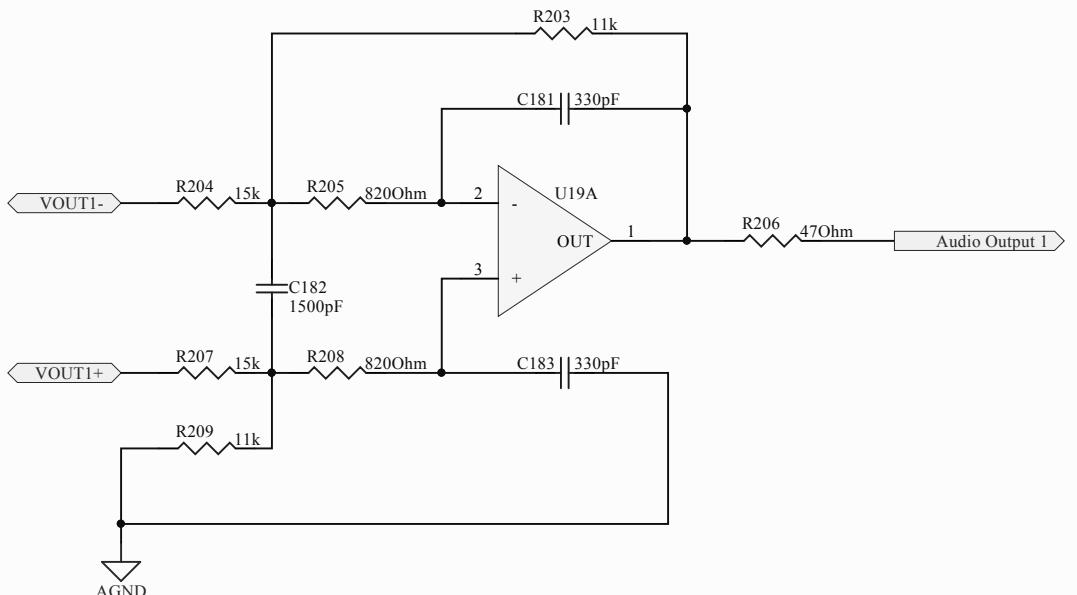
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Drawn By:



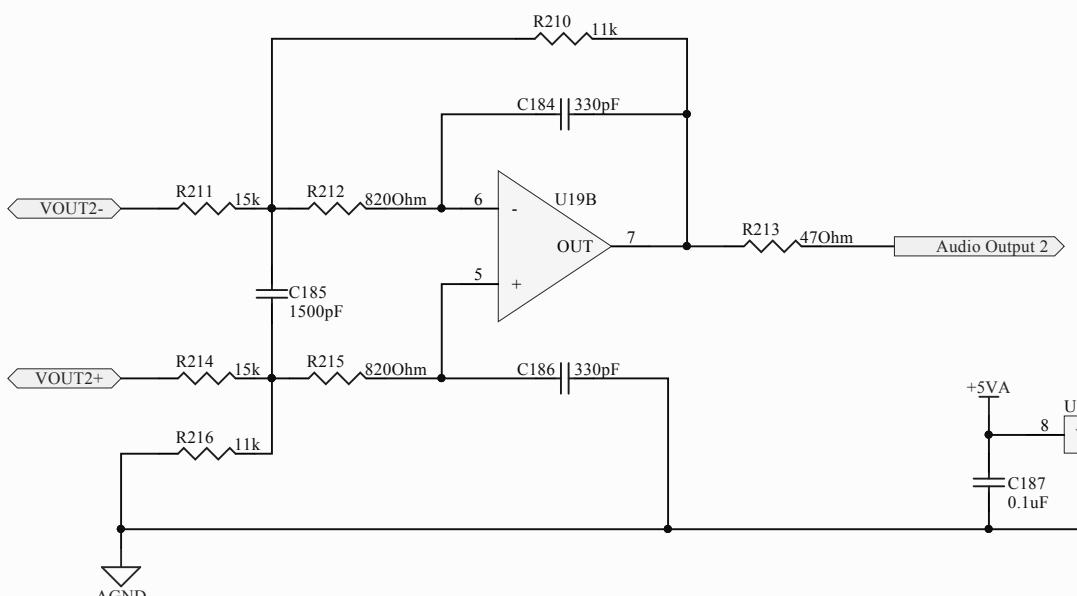
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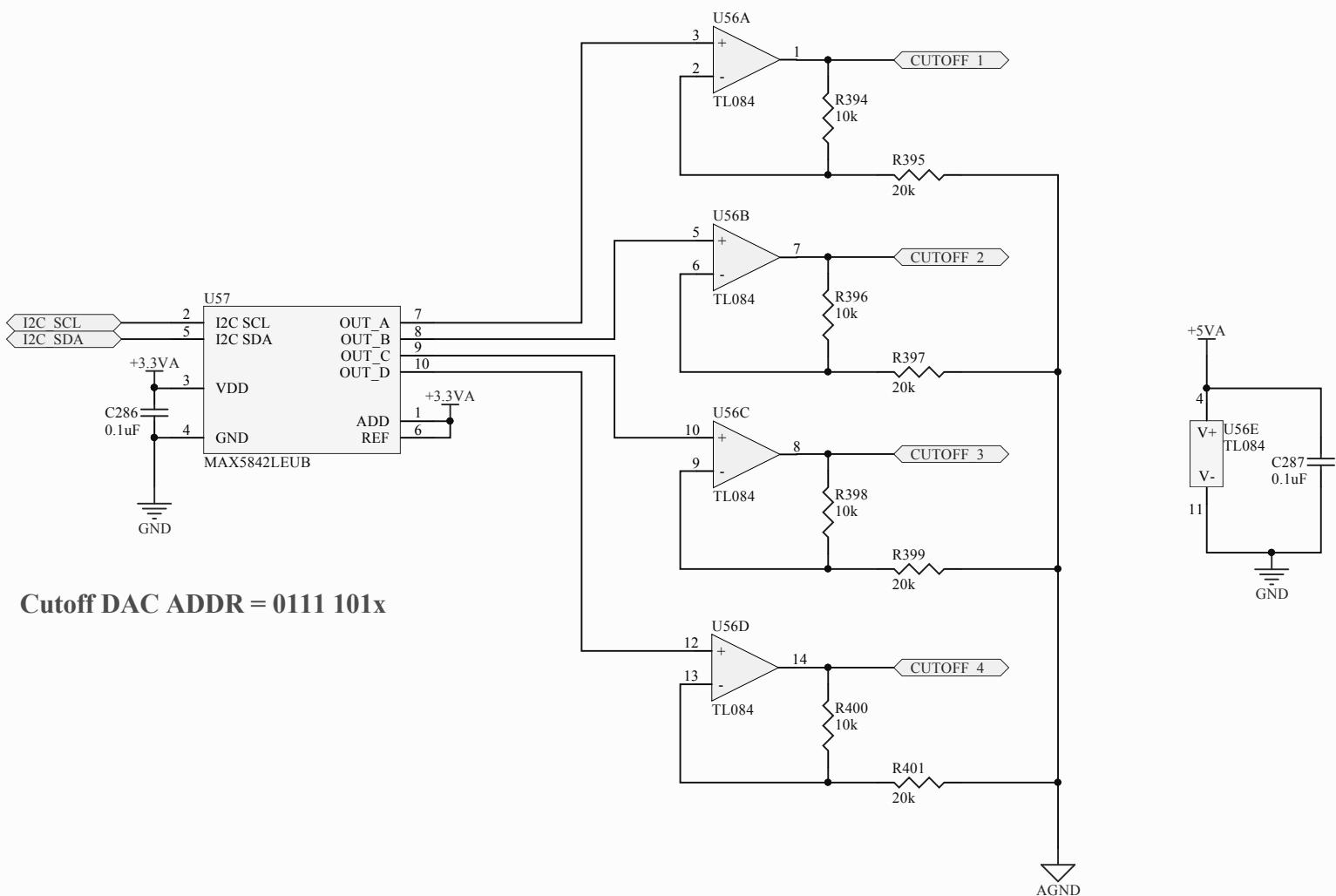
B

C

D

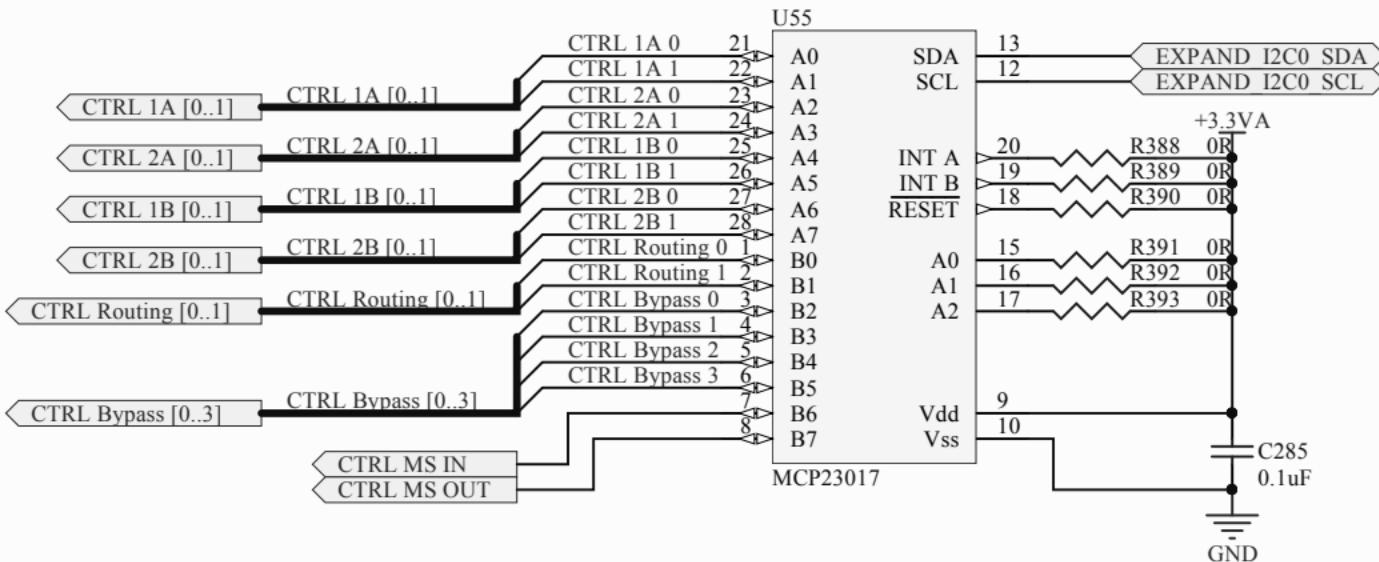


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Size A4	Number	Revision
Date: 4/3/2018		Sheet of
File: C:\Users\...\PC3 Output.SchDoc		Drawn By:



Title		
Size A4	Number	Revision
Date: 4/3/2018		Sheet of
File: C:\Users\PC4 DAC Cutoff.SchDoc		Drawn By:

# Expander Address 0100111



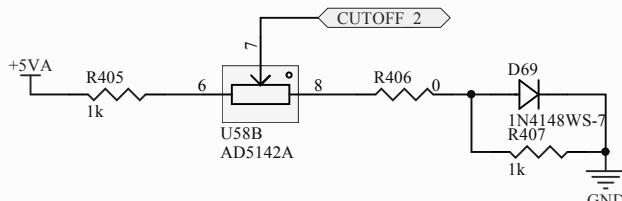
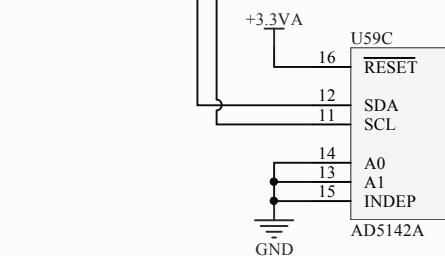
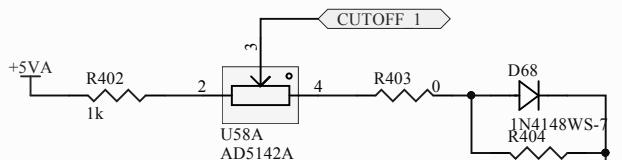
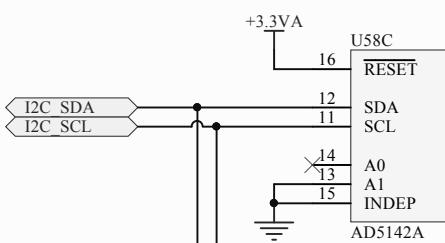
Title

Size	Number	Revision
A		

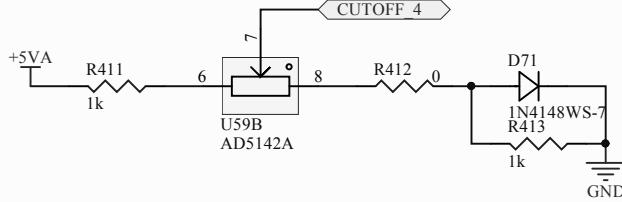
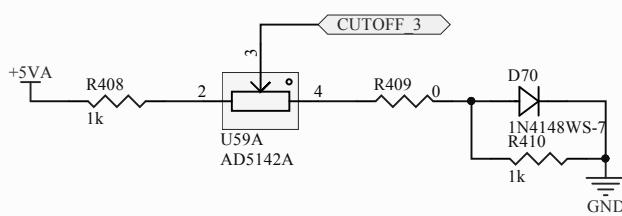
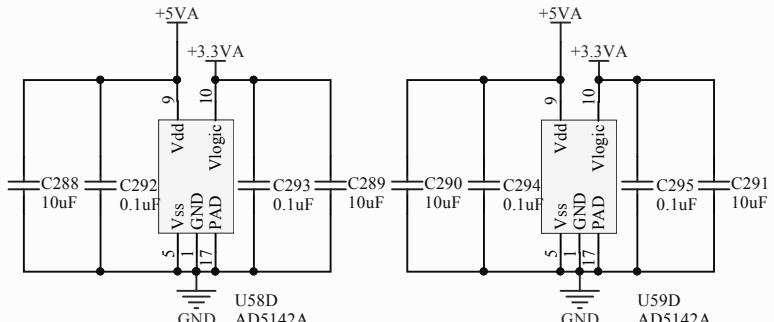
Date:	4/3/2018	Sheet of
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File:	C:\Users\.\PF10 Expander.SchDoc	Drawn By:
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## Cutoff 1-2 Digi Pot ADDR = 0101 110x



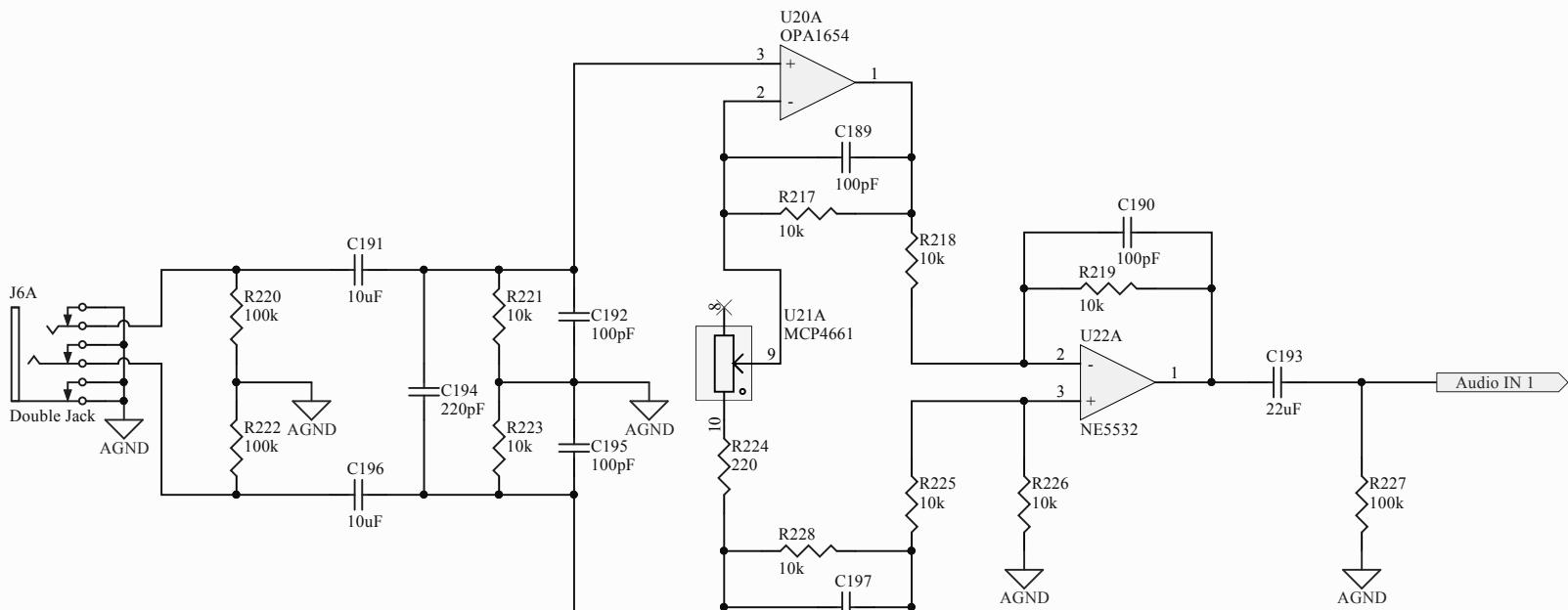
## Cutoff 3-4 Digi Pot ADDR = 0101 111x



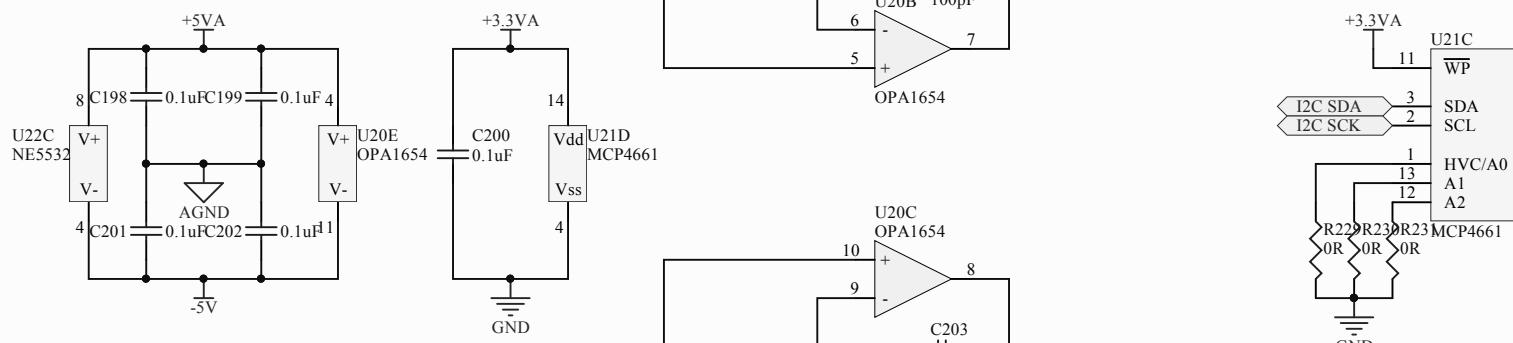
Title

Size	Number	Revision
A		
Date:	4/3/2018	Sheet of
File:	C:\Users\...\PF11_DigiPot_Cutoff.SchDwg	Drawn By:

A

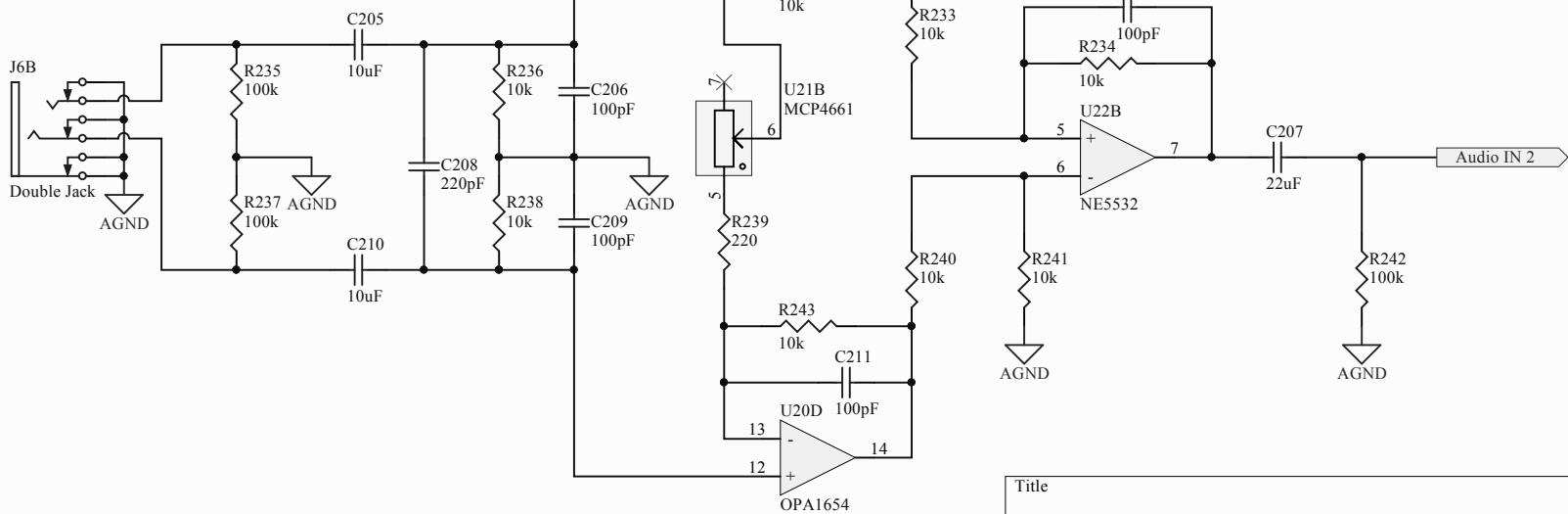


B



In Gain Digi Pot ADDR = 0101 000x

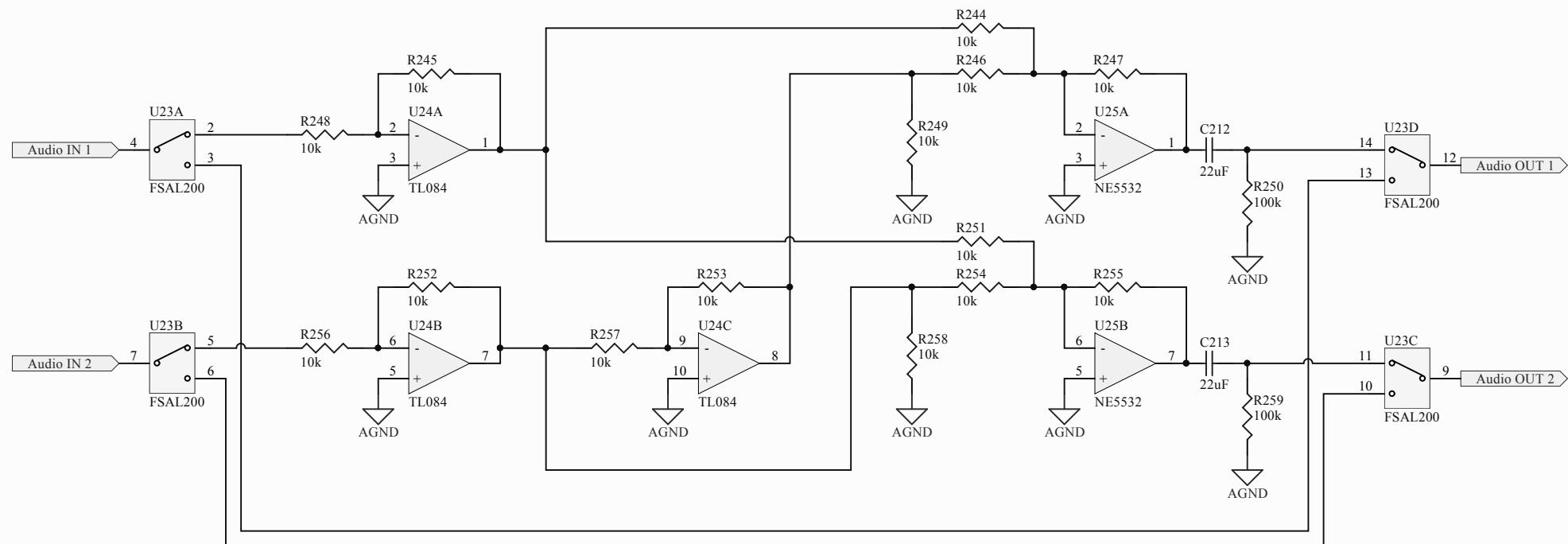
C



D

Title		
Size	Number	Revision
Date:	4/3/2018	Sheet of
File:	C:\Users...\PF2_AudioInput.SchDoc	Drawn By:

A



B

C

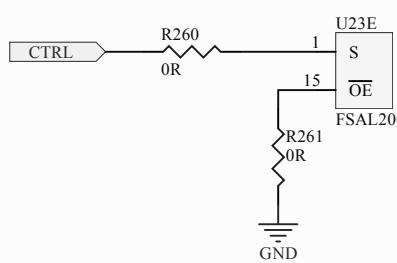
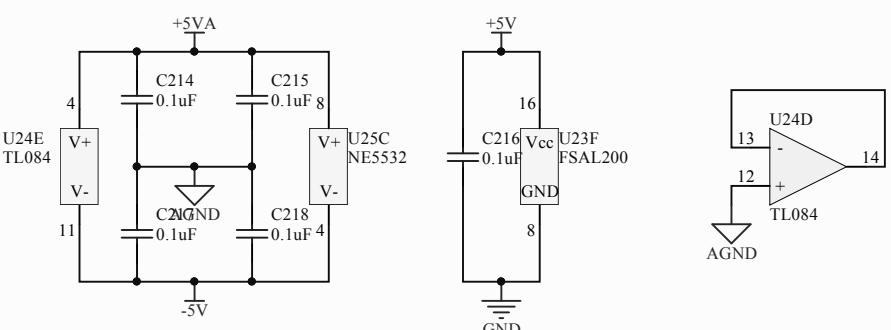
D

A

B

C

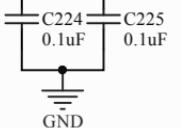
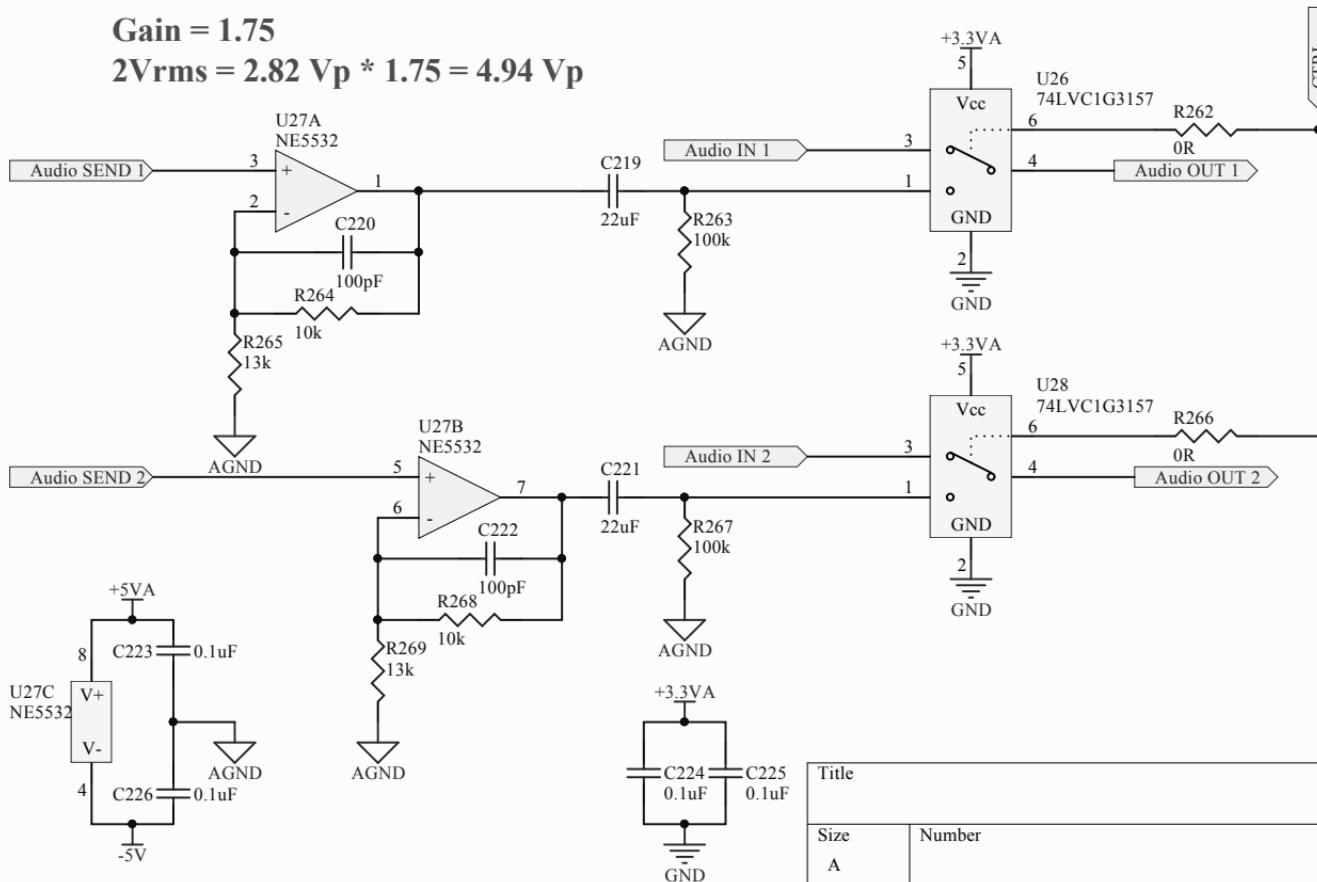
D



Title		
Size	Number	Revision
A		
Date: 4/3/2018		Sheet of
File: C:\Users\..\PF3_MS.SchDoc		Drawn By:

**Gain = 1.75**

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



Title

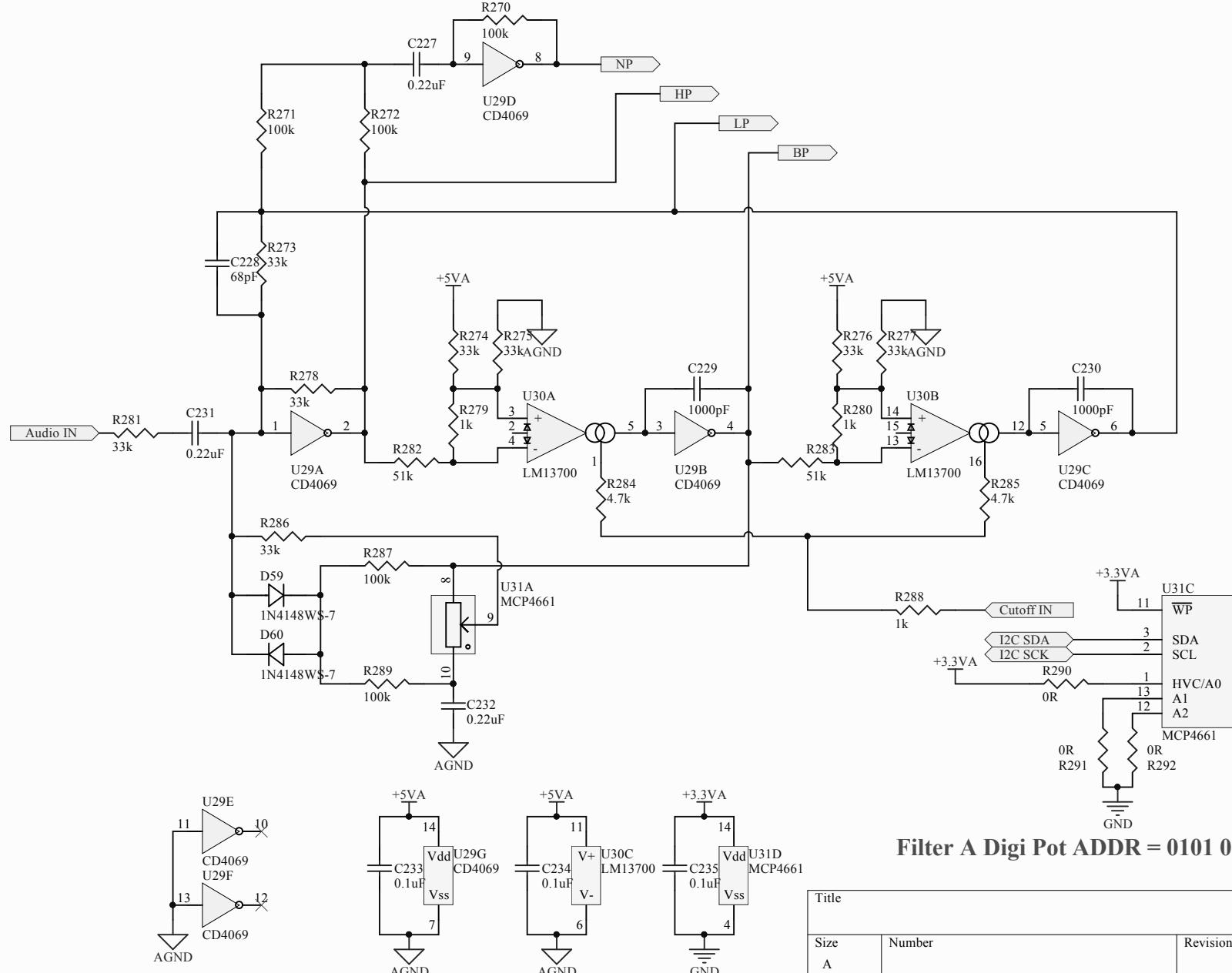
Size	Number	Revision
A		

Date: 4/3/2018

File: C:\Users\...\PF4 DSPBypass.SchDoc

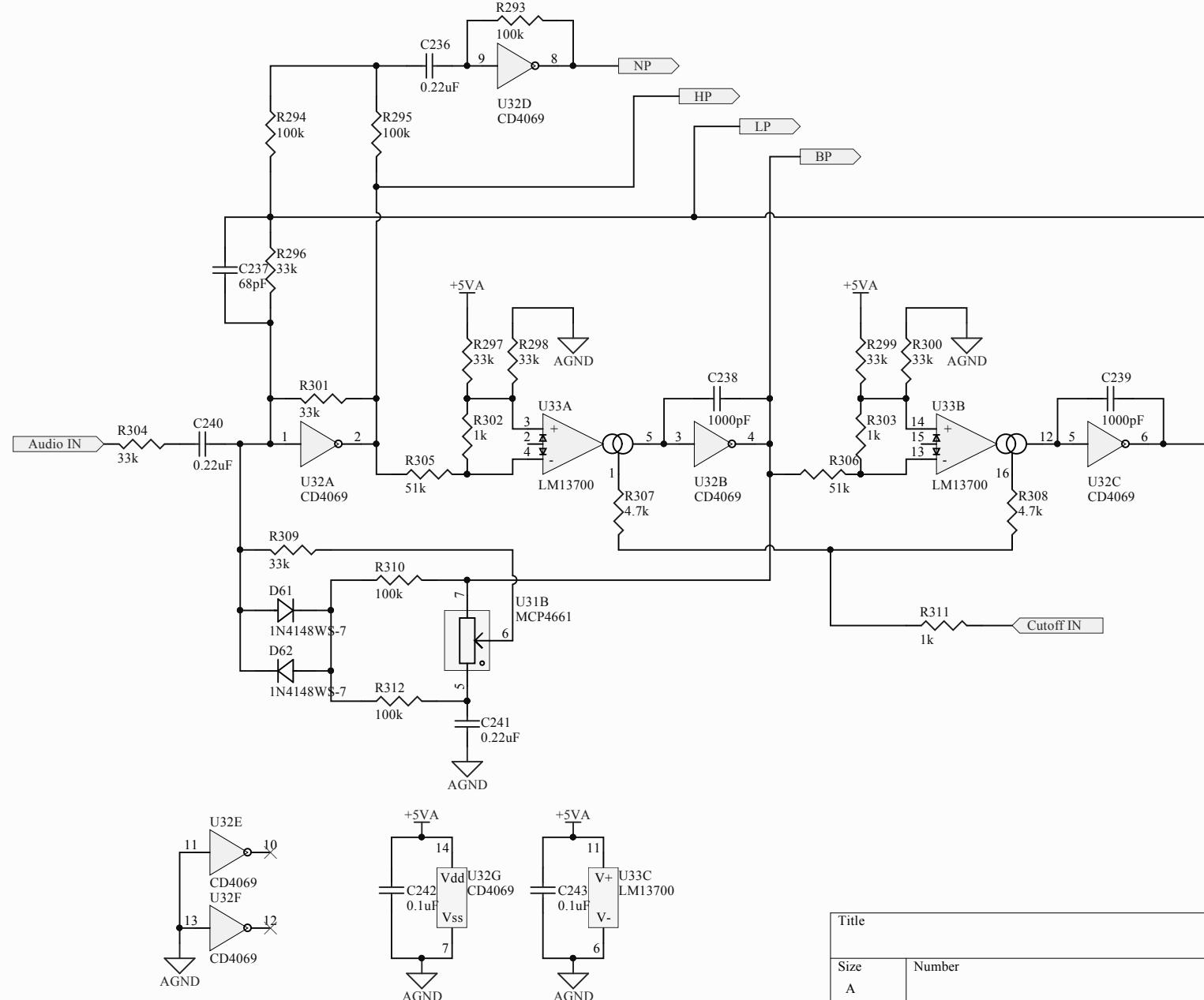
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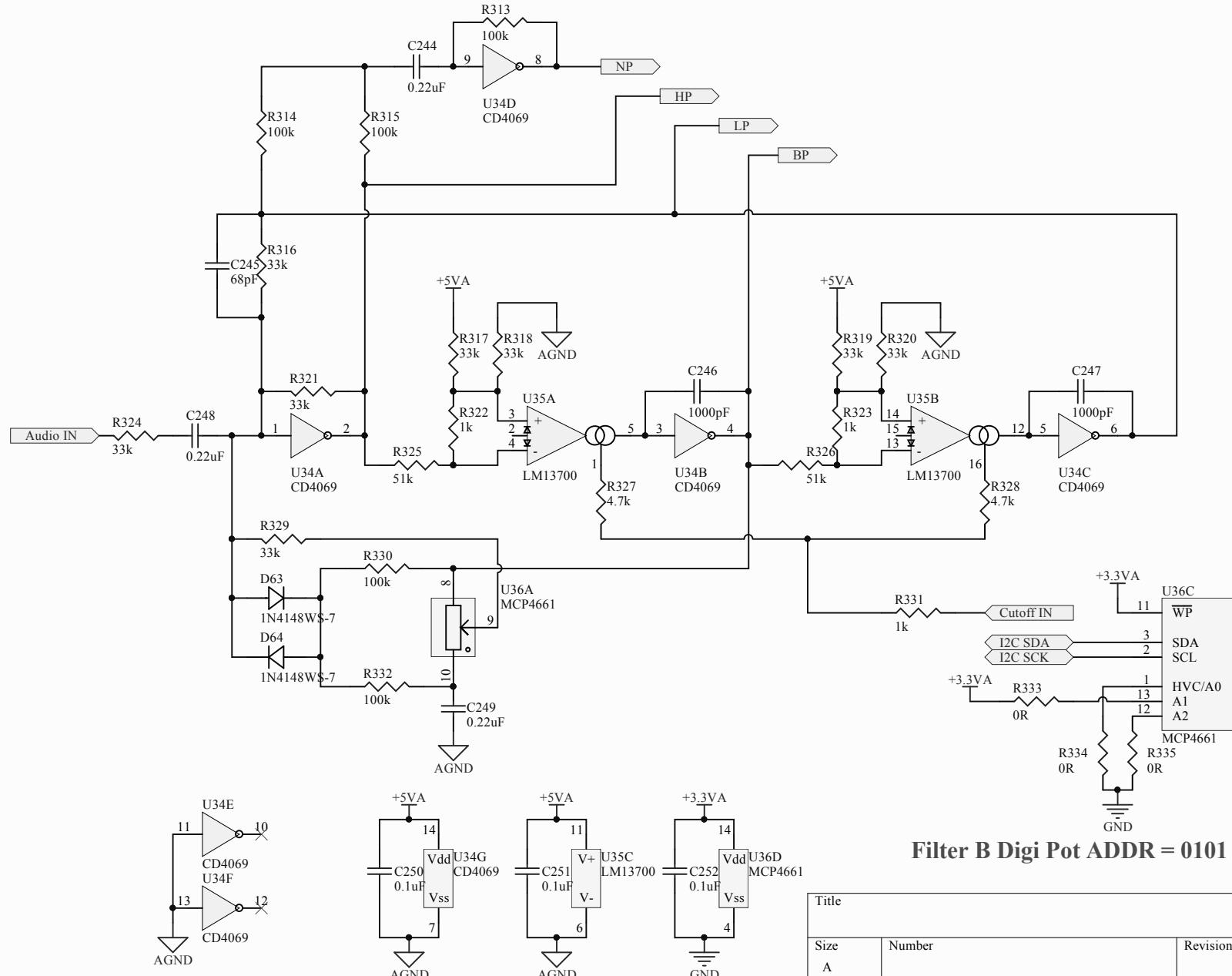
Title

Size	Number	Revision
A		
Date: 4/3/2018	Sheet of	
File: C:\Users\...\PF5a Filter1A.SchDoc		Drawn By:



Title

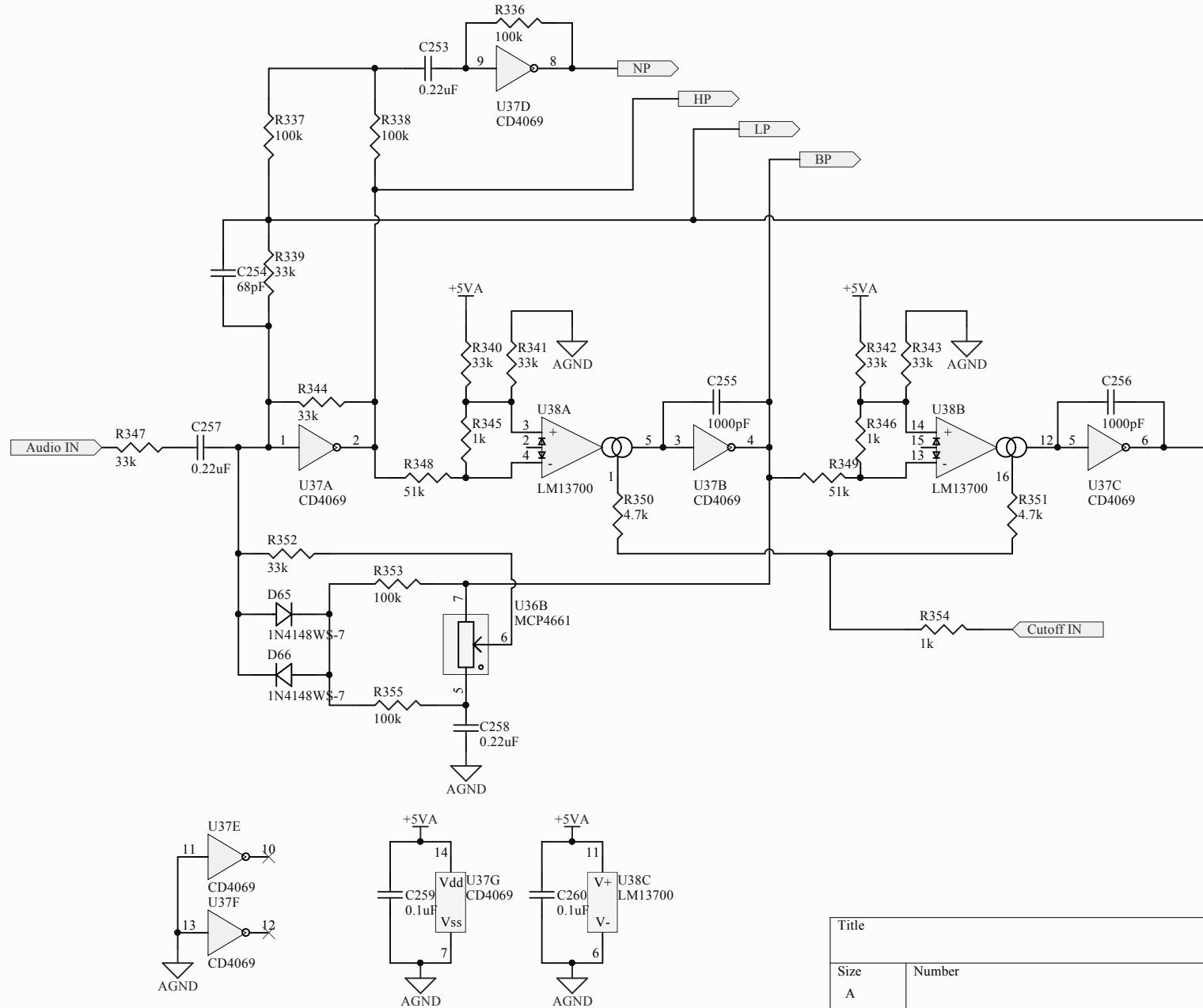
Size	Number	Revision
A		
Date: 4/3/2018	Sheet of	
File: C:\Users\...\PF5b Filter2A.SchDoc		Drawn By:



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

Title

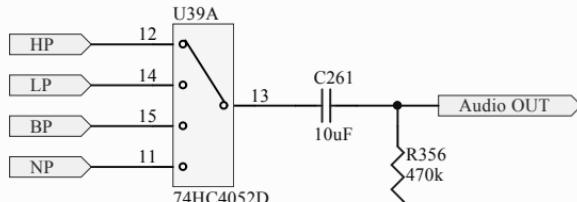
Size	Number	Revision
A		
Date: 4/3/2018	Sheet of	
File: C:\Users\...\PF5c Filter1B.SchDoc		Drawn By:



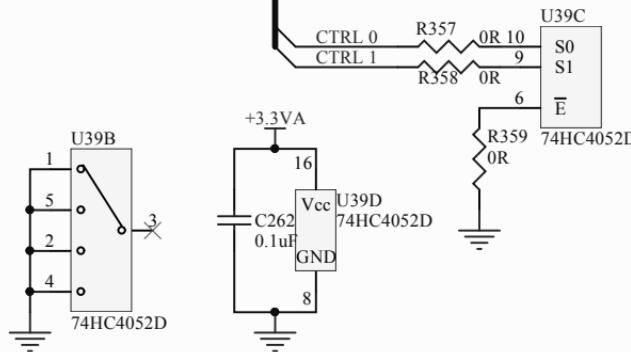
Title

Size	Number	Revision
A		
Date: 4/3/2018	Sheet of	
File: C:\Users\...\PF5d Filter2B.SchDoc	Drawn By:	

A



B



C

Title

Size Number

A

Revision

Date: 4/3/2018

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

Sheet of

Drawn By:

D

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 U42A

From 1A 3 FSAL200

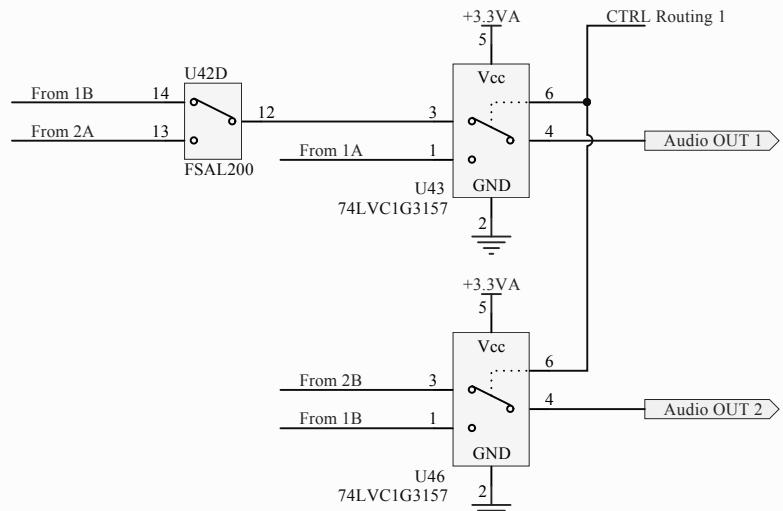
From 1A 5 U42B

From Audio IN 2 6 FSAL200

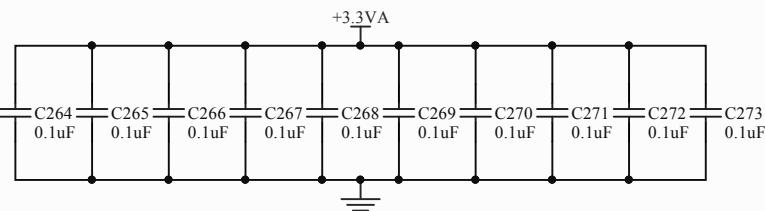
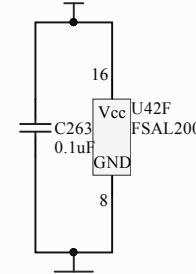
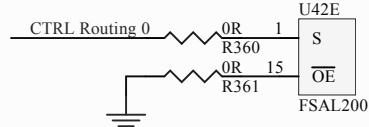
From 2A 11 U42C

From 1B 10 FSAL200

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

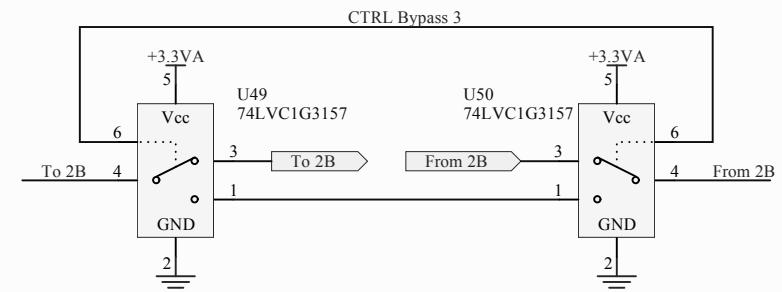
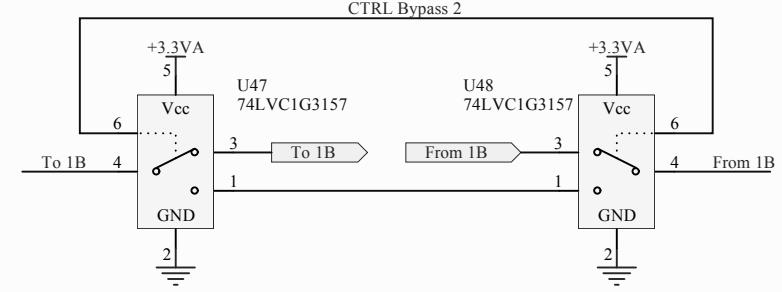
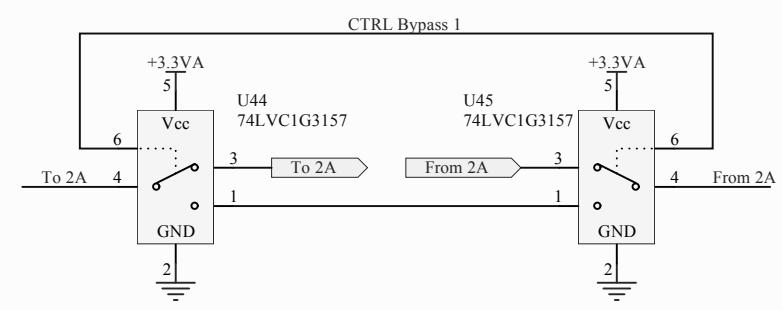
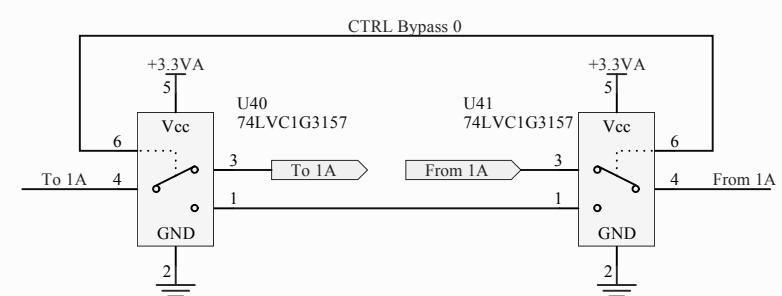


## FILTER ROUTING



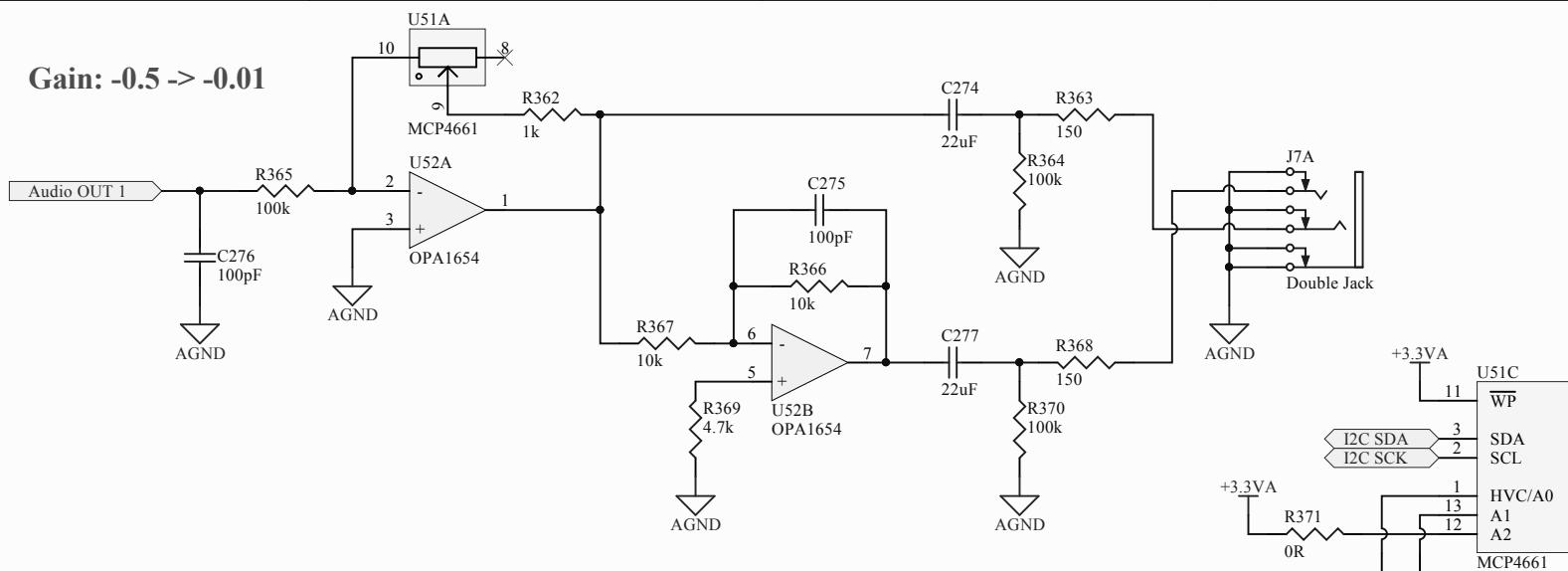
## FILTER BYPASS

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

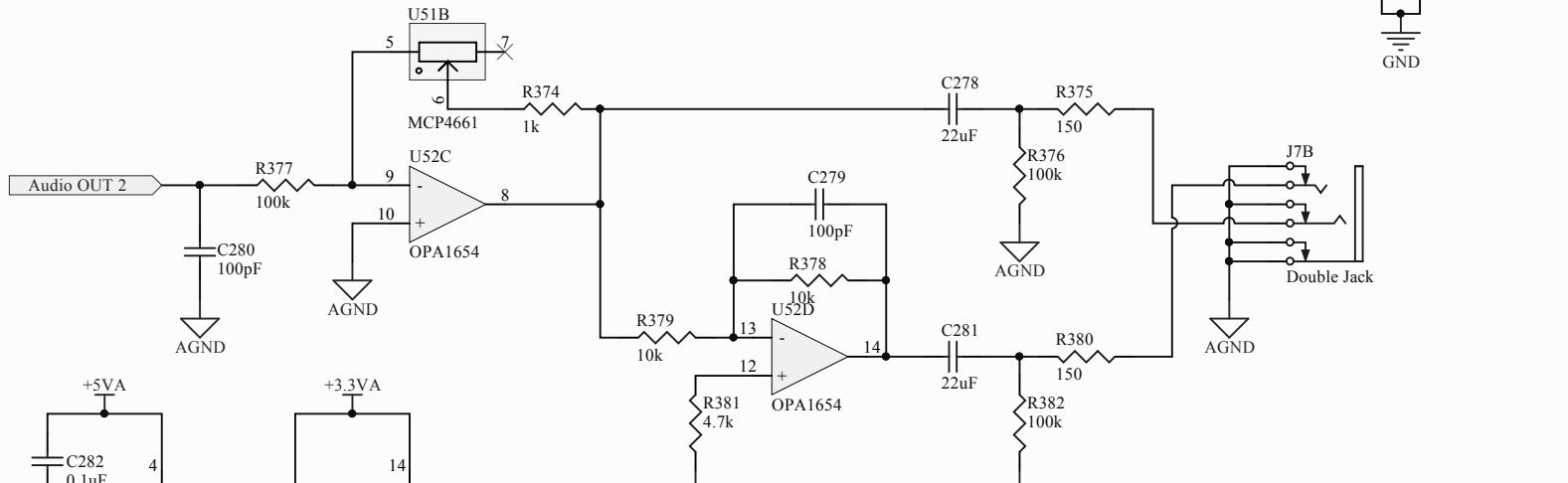


Title		
Size	Number	Revision
A		
Date: 4/3/2018		Sheet of
File: C:\Users\...\PF7 FilterRoutingBypass.SchDoc		Drawn By:

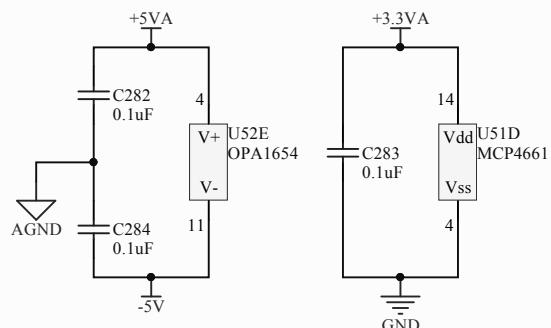
A

**Gain: -0.5 > -0.01**

B

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

C

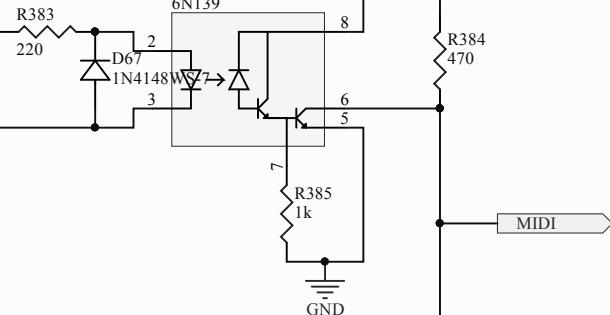
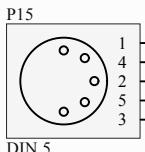


Title

Size	Number	Revision
A		
Date: 4/3/2018	Sheet of	
File: C:\Users\...\PF8_AudioOutput.SchDoc		Drawn By:

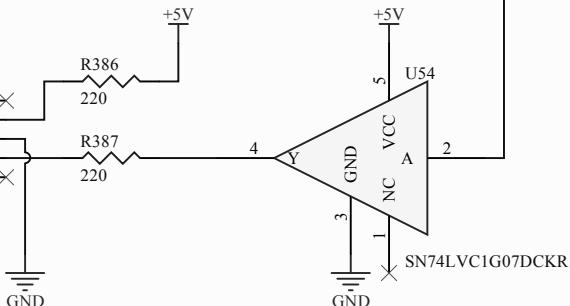
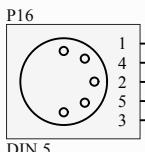
A

A

**MIDI IN**

B

B



C

C

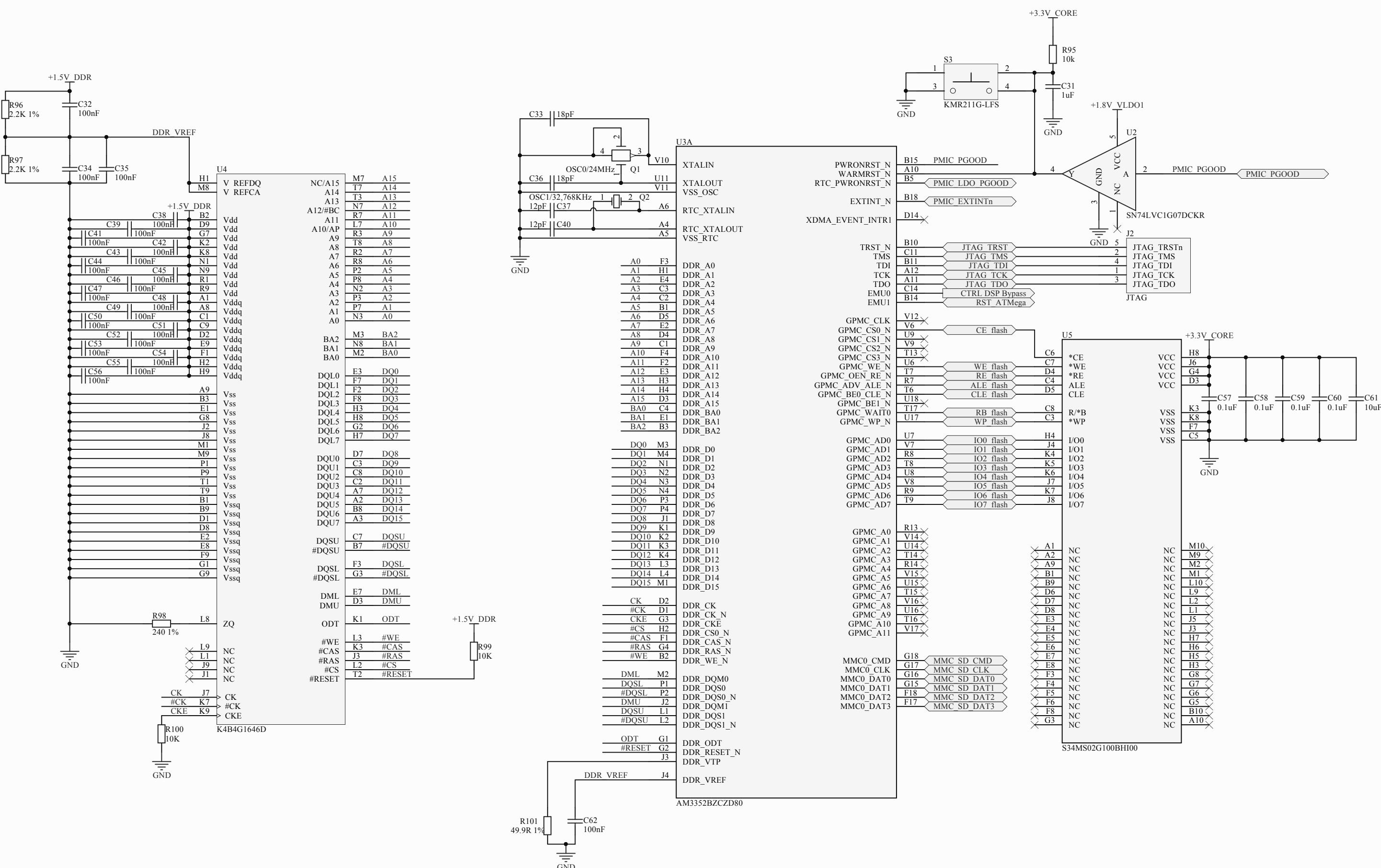
**MIDI THRU**

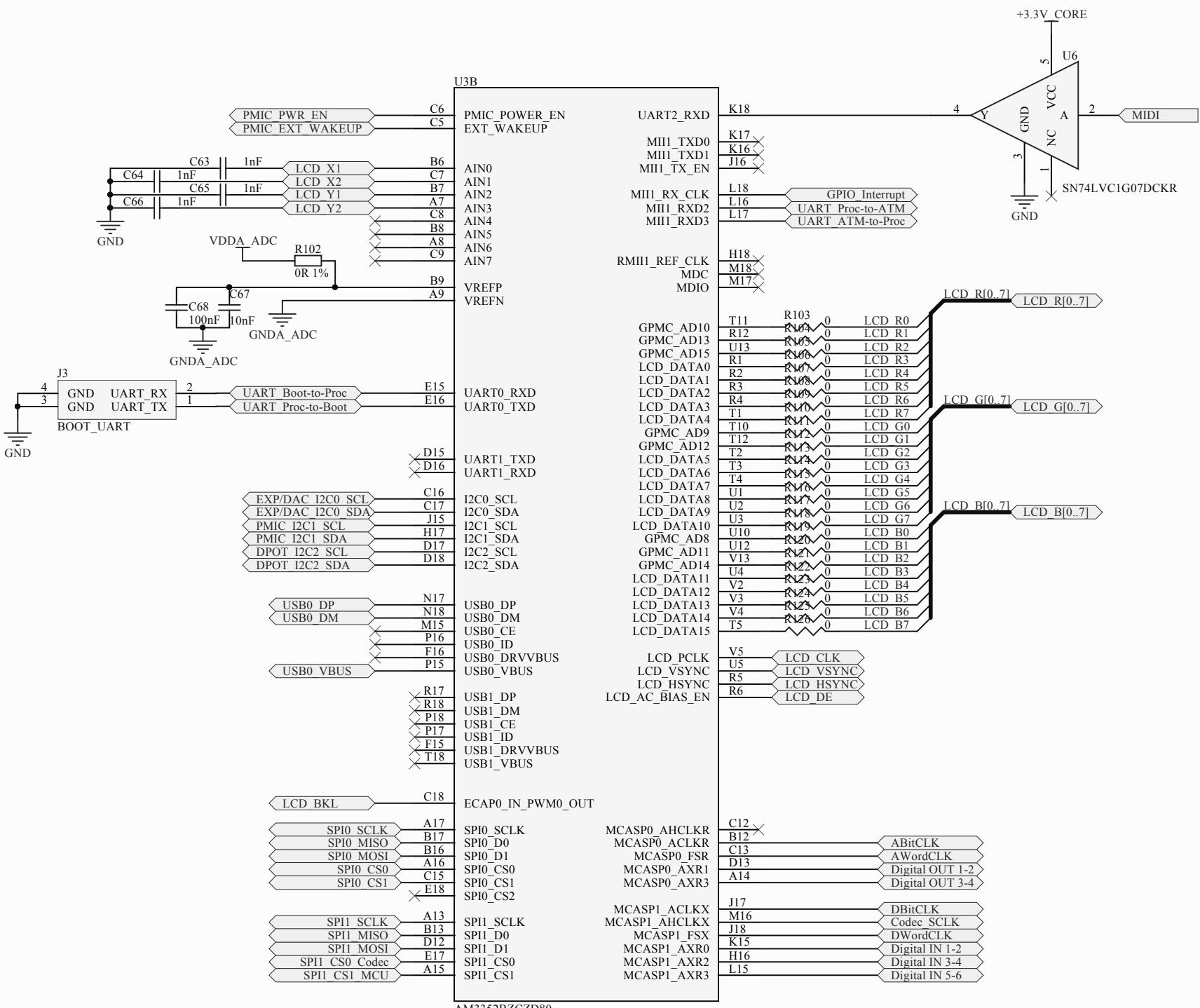
Title

Size	Number	Revision
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Date:	4/3/2018	Sheet of
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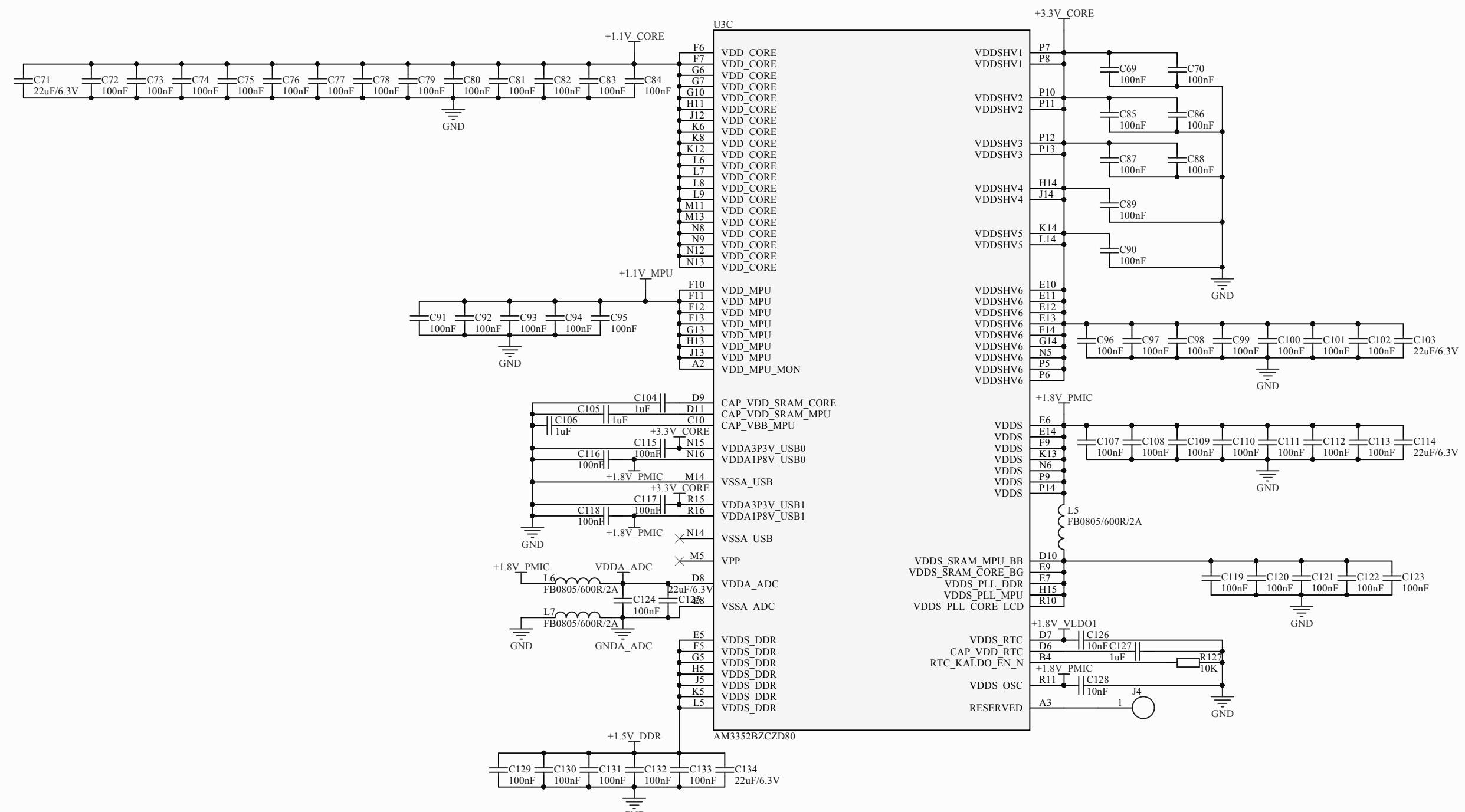
D

D





Title		
Size	Number	Revision
A3		
Date: 4/3/2018	Sheet of	
File: C:\Users\...\PP2.ptb.SchDoc		Drawn By:



Title		
Size	Number	Revision
A3		
Date:	4/3/2018	Sheet of
File:	C:\Users\...\RP2_etc\Alim_SakDas	Drawn By:

A

A

B

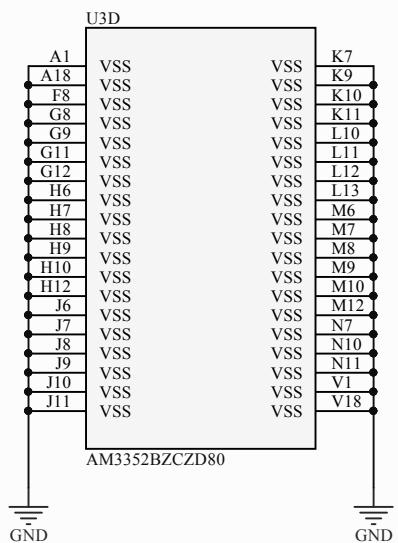
B

C

C

D

D

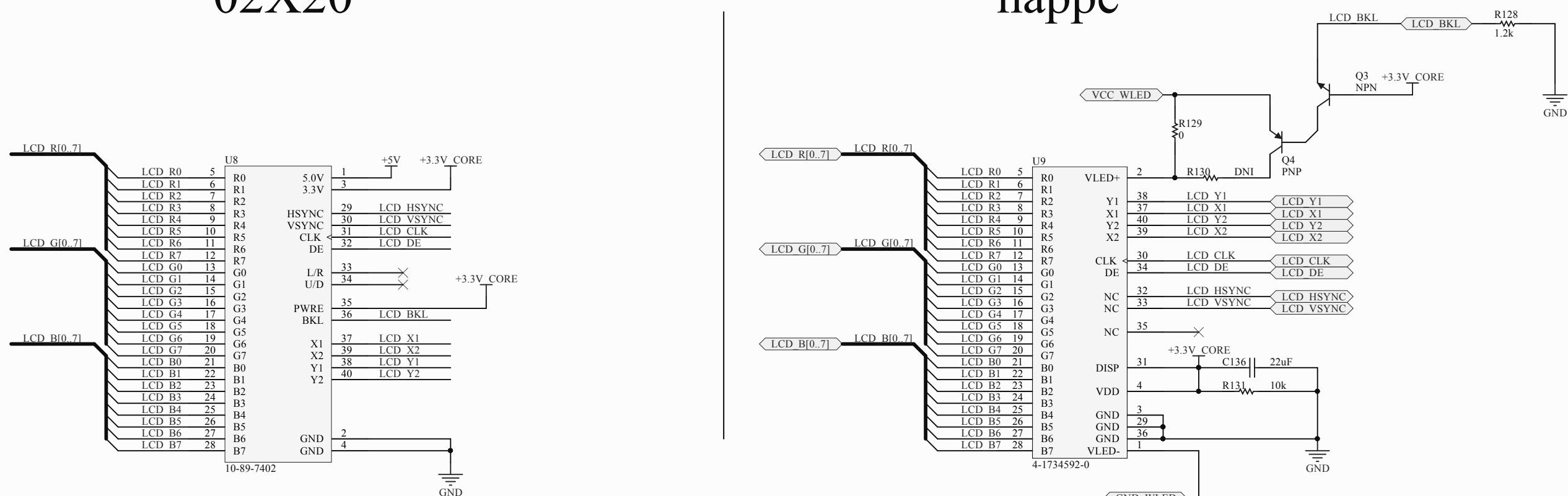


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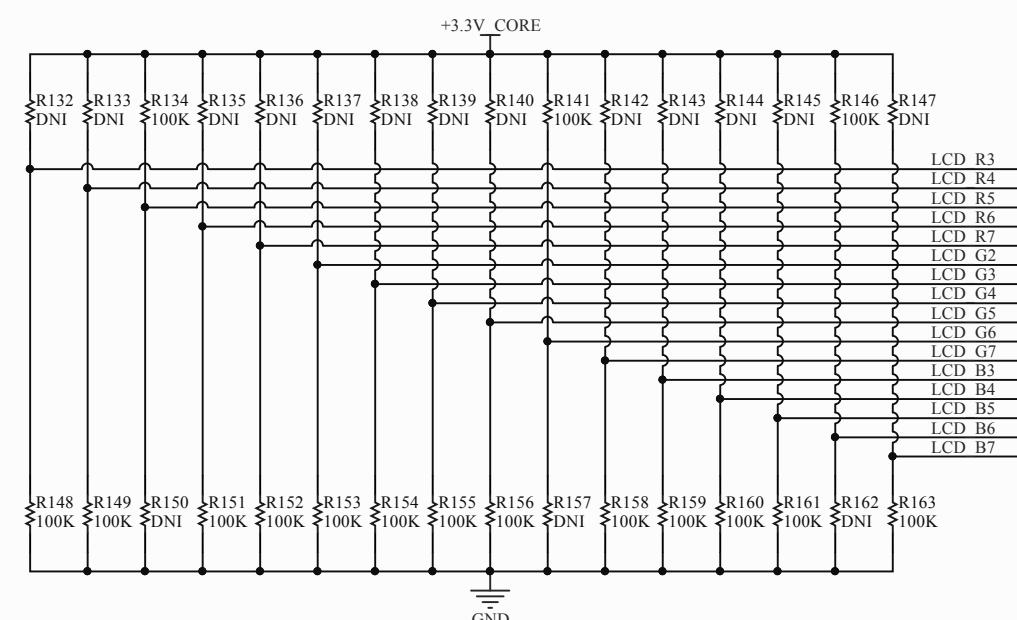
Size	Number	Revision
A		
Date:	4/3/2018	Sheet of
File:	C:\Users\PP4.pD	Drawn By:

02X20

nappe



BOOT



0010 0000 0100 0010

Title		
Size	Number	Revision
A3		
Date: 4/3/2018	Sheet of	
File: C:\Users\..\PP6_LCD.SchDoc		Drawn By:

1

2

3

4

5

6

A

A

B

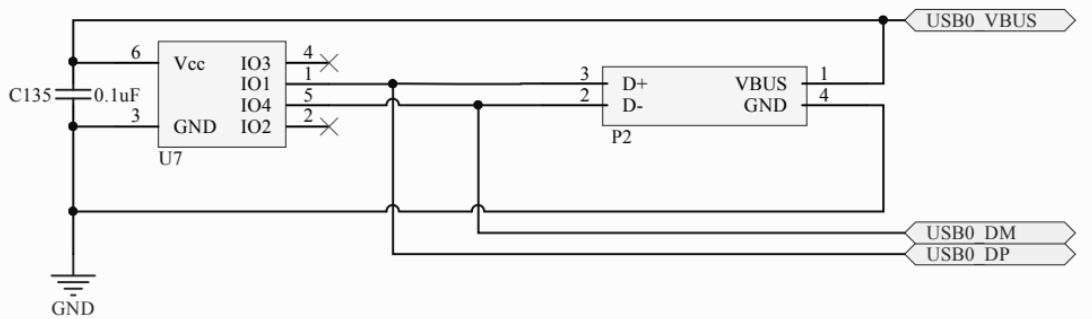
B

C

C

D

D



1

2

3

4

5

6

A

A

B

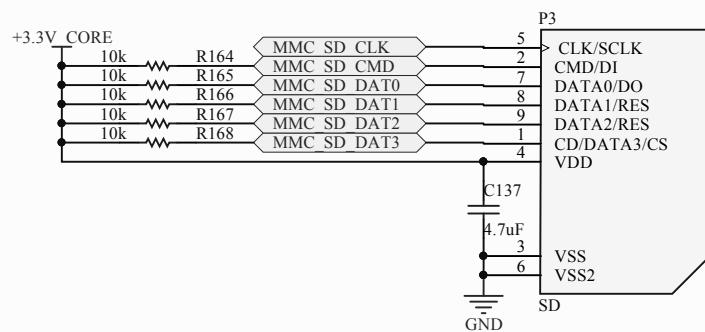
B

C

C

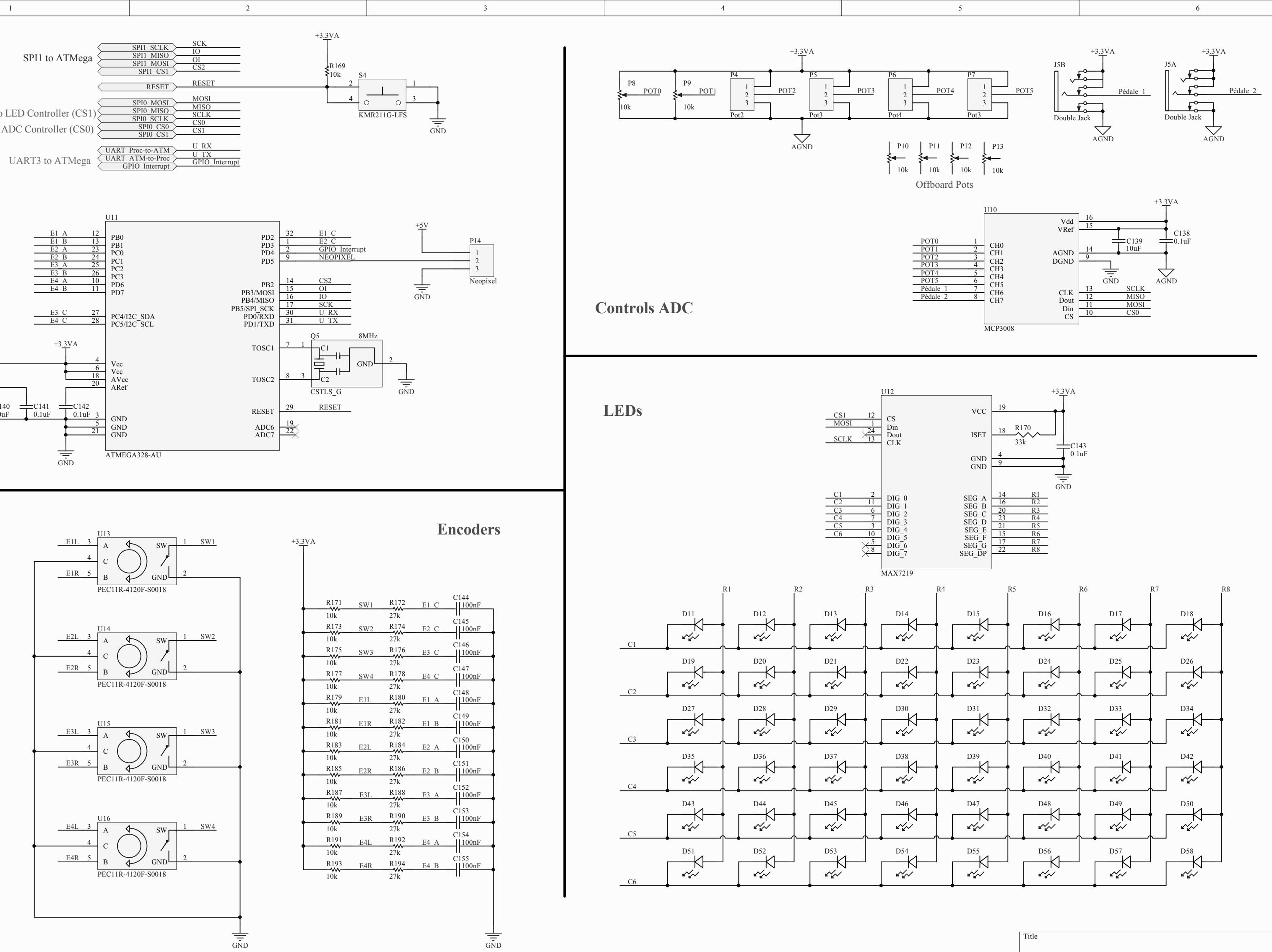
D

D

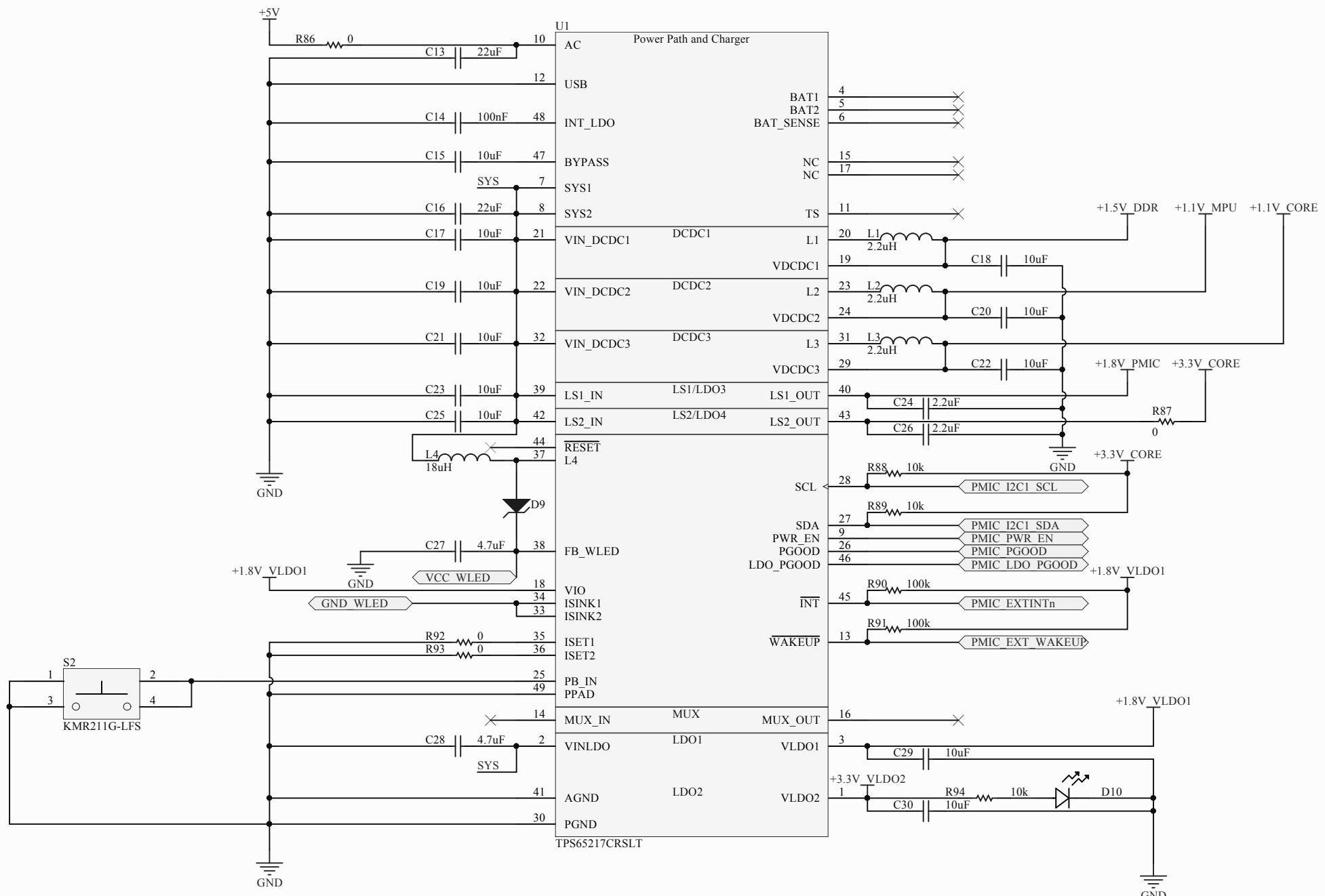


Title

Size	Number	Revision
A		
Date:	4/3/2018	Sheet of
File:	C:\Users\...\PP8 MMC.SchDoc	Drawn By:



A



Title		
Size	Number	Revision
A3		
Date: 4/3/2018	Sheet of	
File: C:\Users\..\PX_PMIC.SchDoc	Drawn By:	