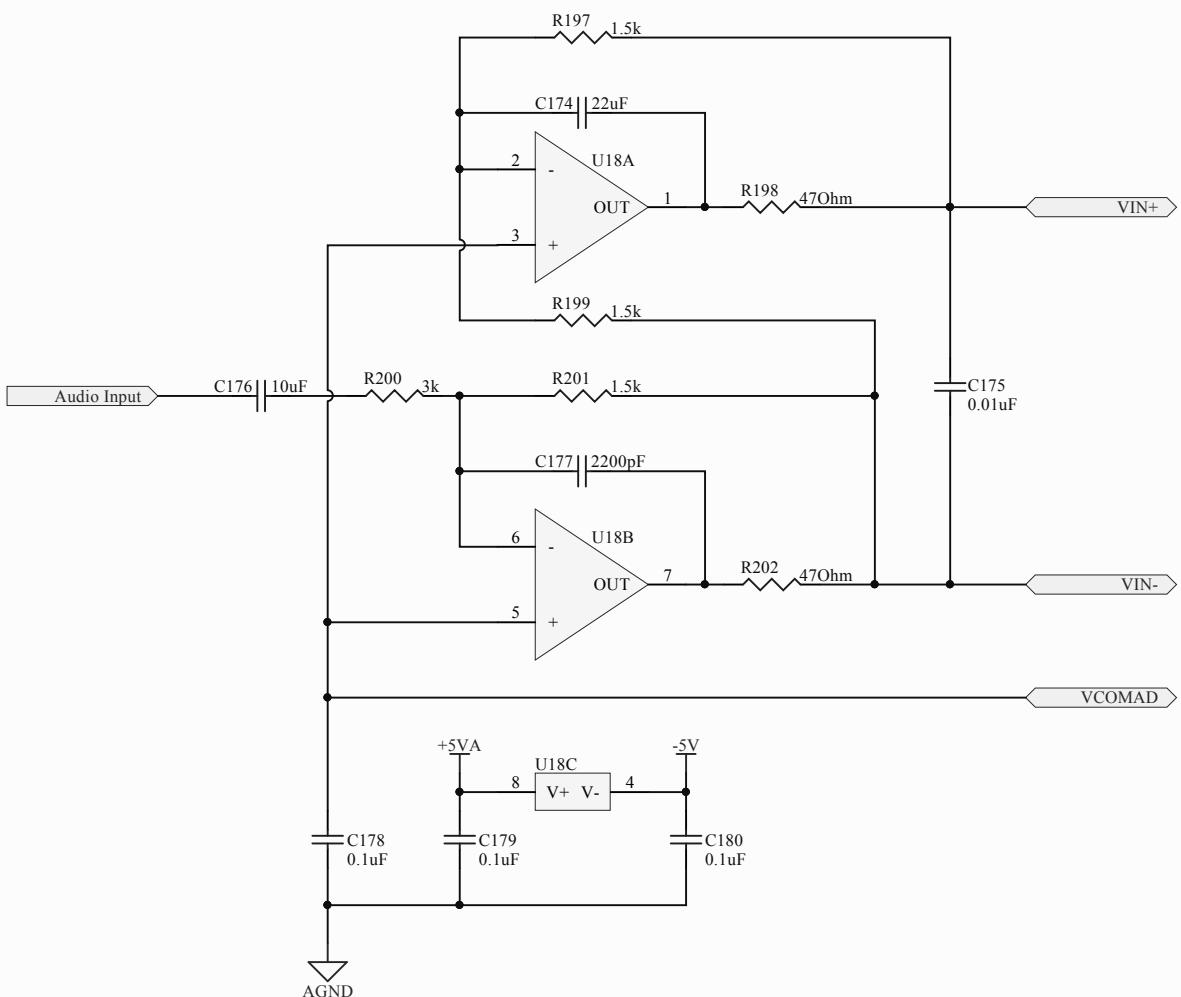


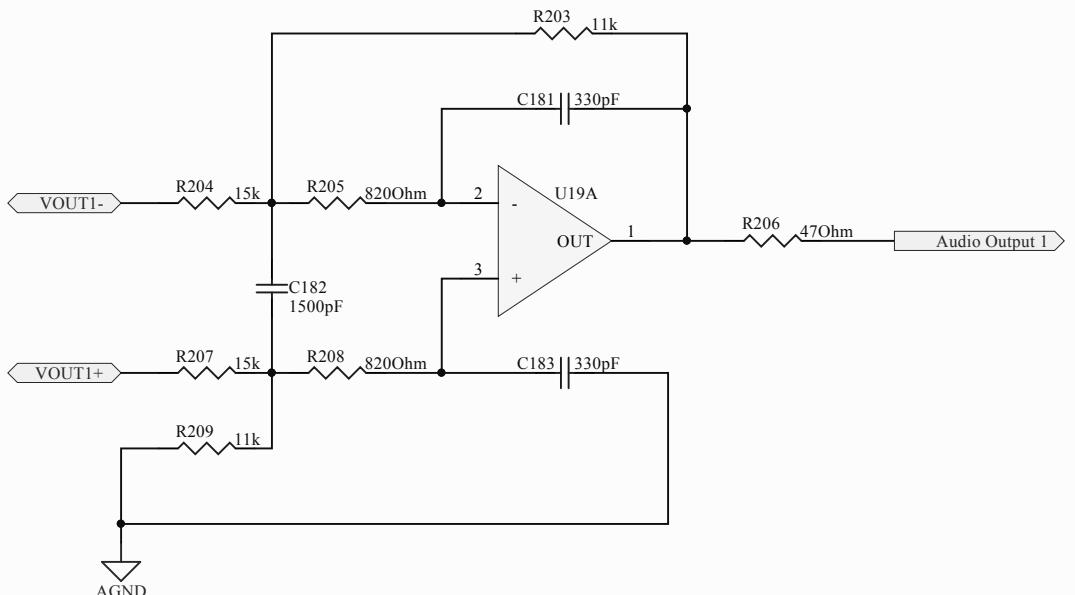
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Date: 4/2/2018	Sheet of	
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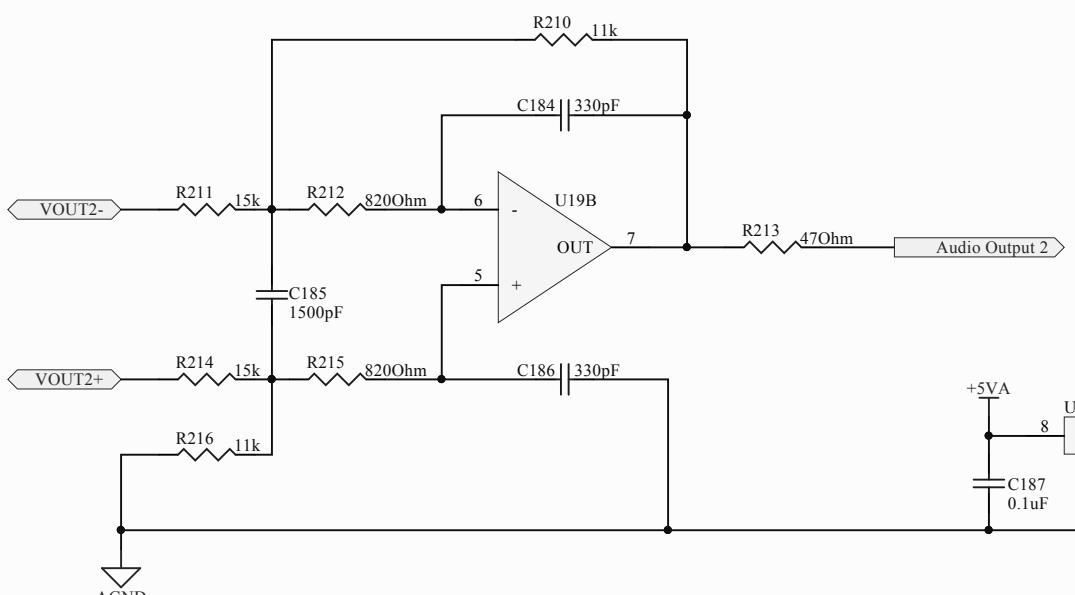


Title		
Size A4	Number	Revision
Date: 4/2/2018		Sheet of
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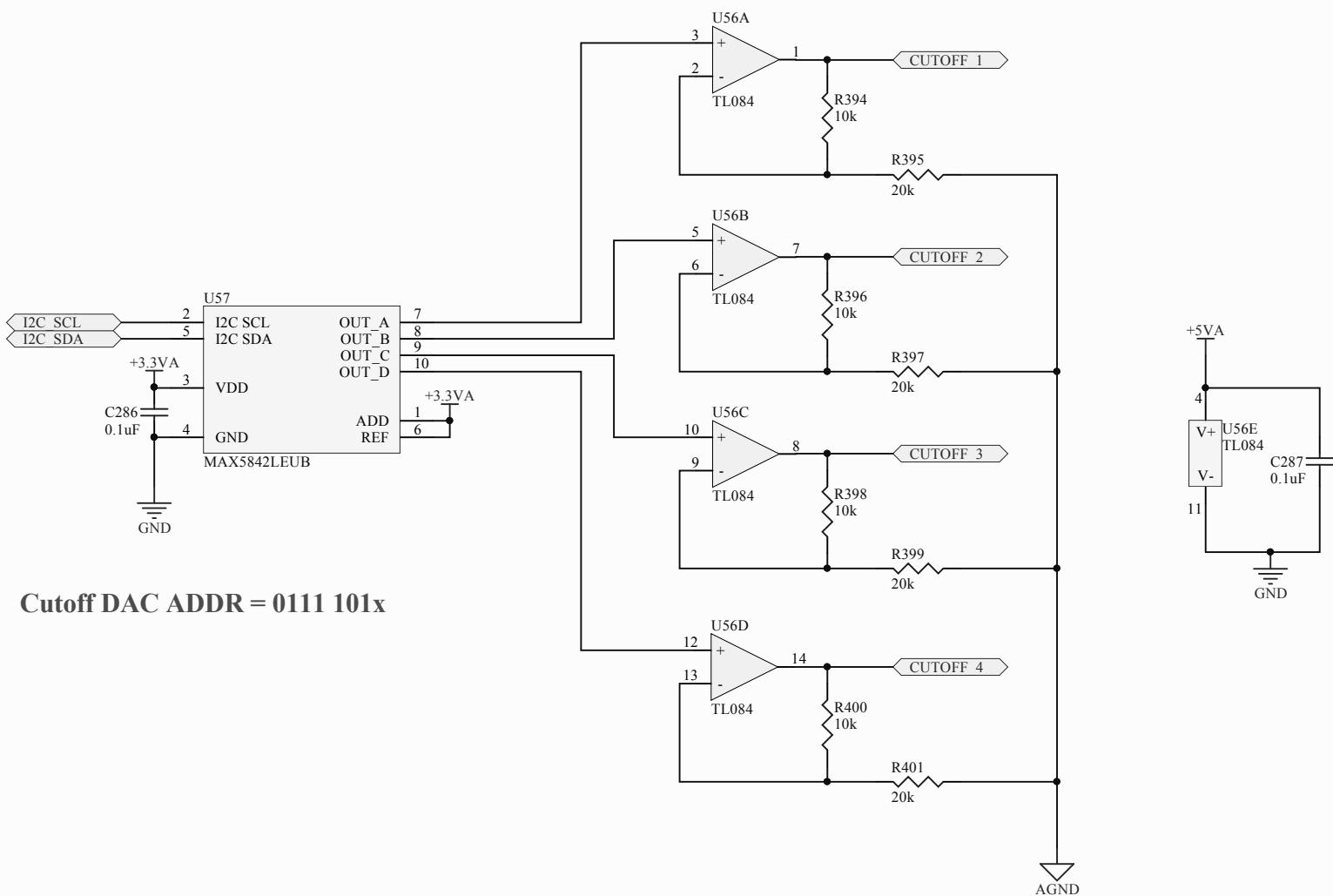
A



B

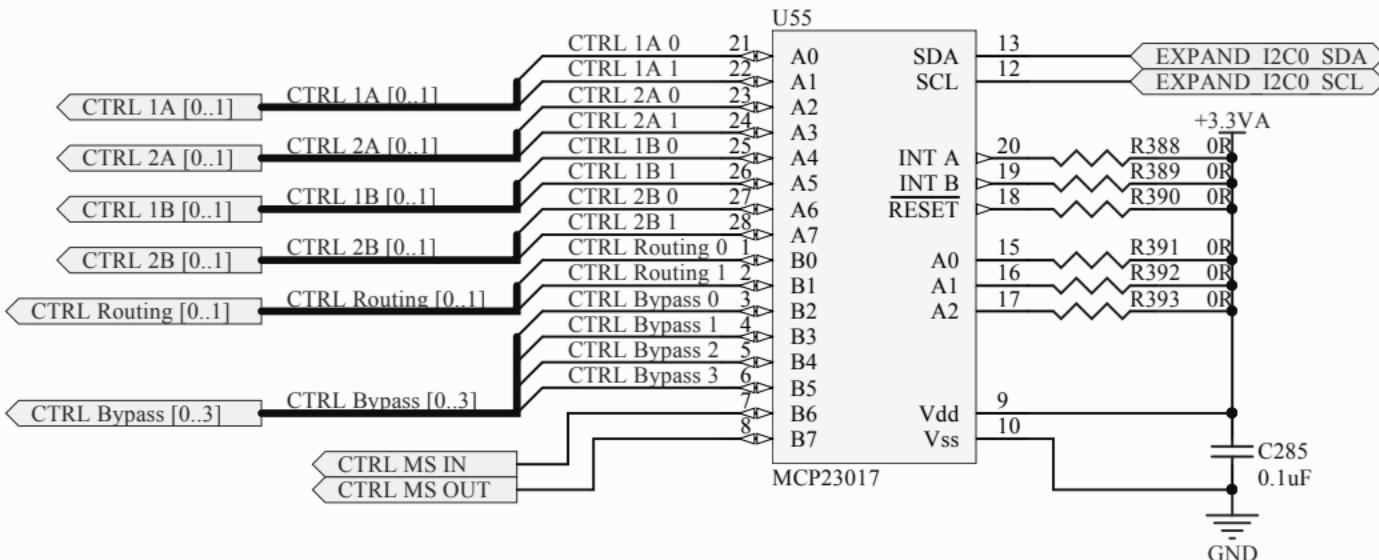


Title		
Size A4	Number	Revision
Date: 4/2/2018		Sheet of
File: C:\Users\...\PC3 Output.SchDoc		Drawn By:



Title		
Size A4	Number	Revision
Date: 4/2/2018		Sheet of
File: C:\Users..\PC4 DAC Cutoff.SchDoc		Drawn By:

Expander Address 0100111



Title

Size
A

Number

Revision

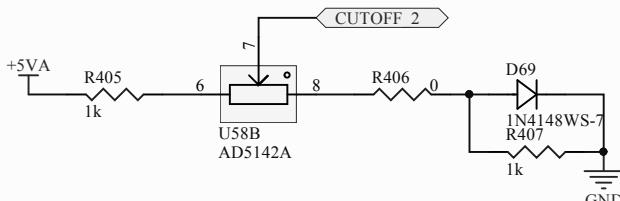
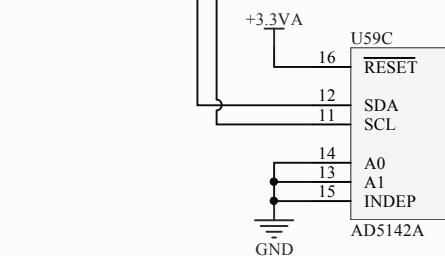
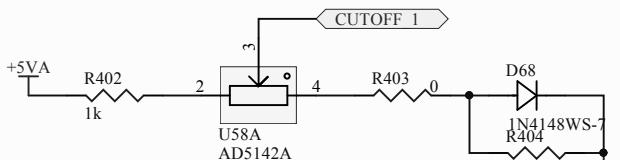
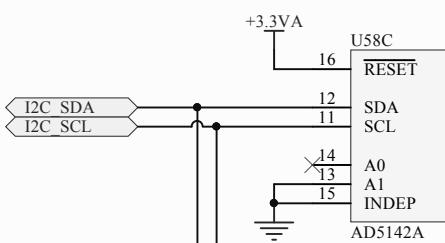
Date: 4/2/2018

Sheet of

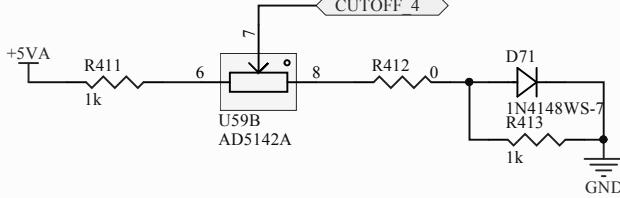
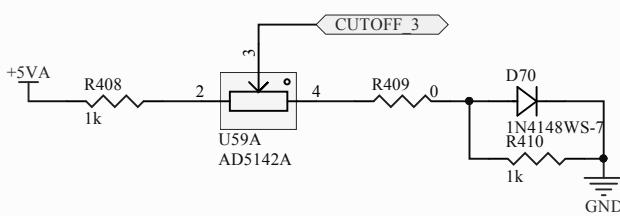
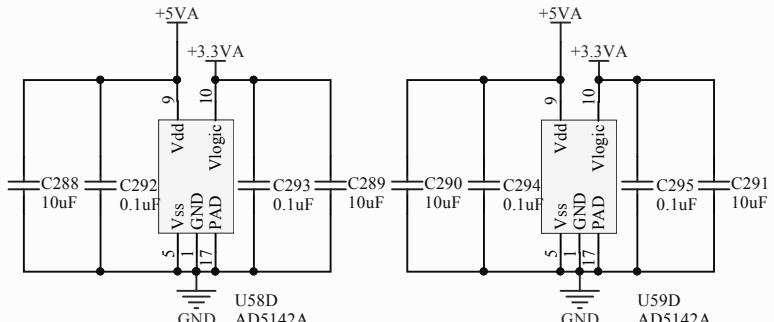
File: C:\Users\...\PF10 Expander.SchDoc

Drawn By:

Cutoff 1-2 Digi Pot ADDR = 0101 110x



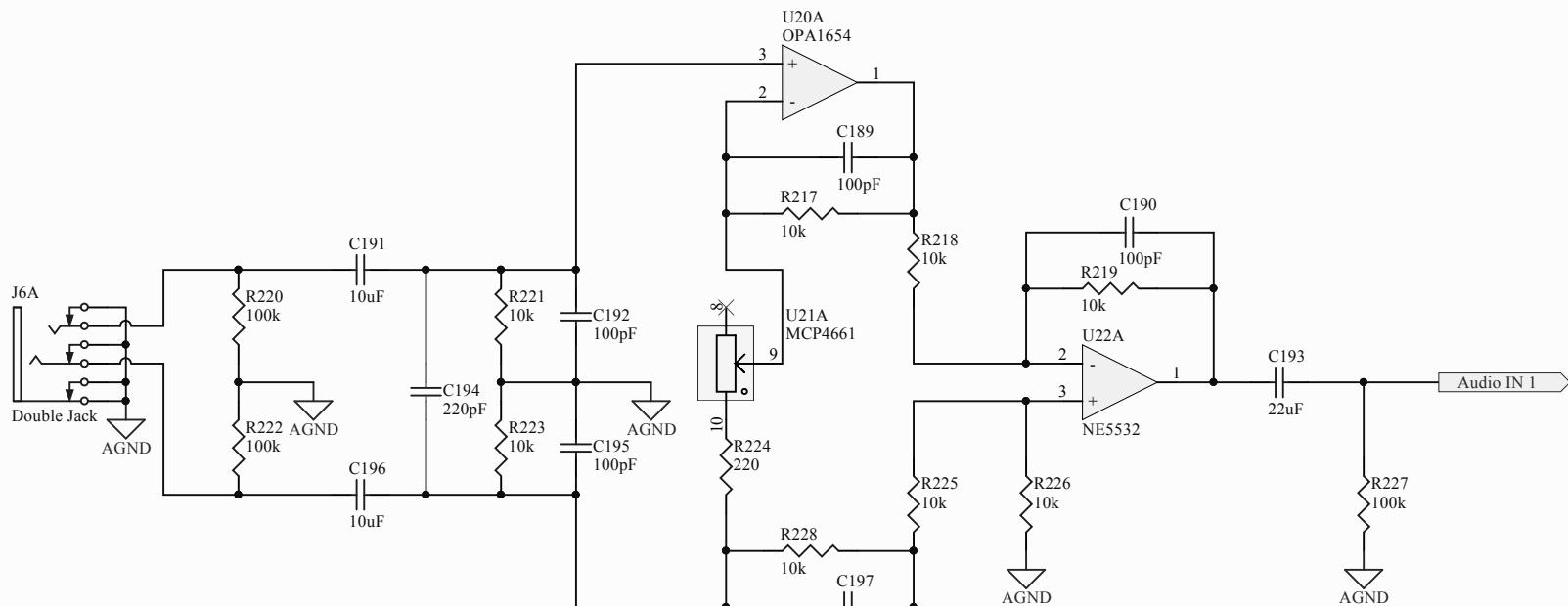
Cutoff 3-4 Digi Pot ADDR = 0101 111x



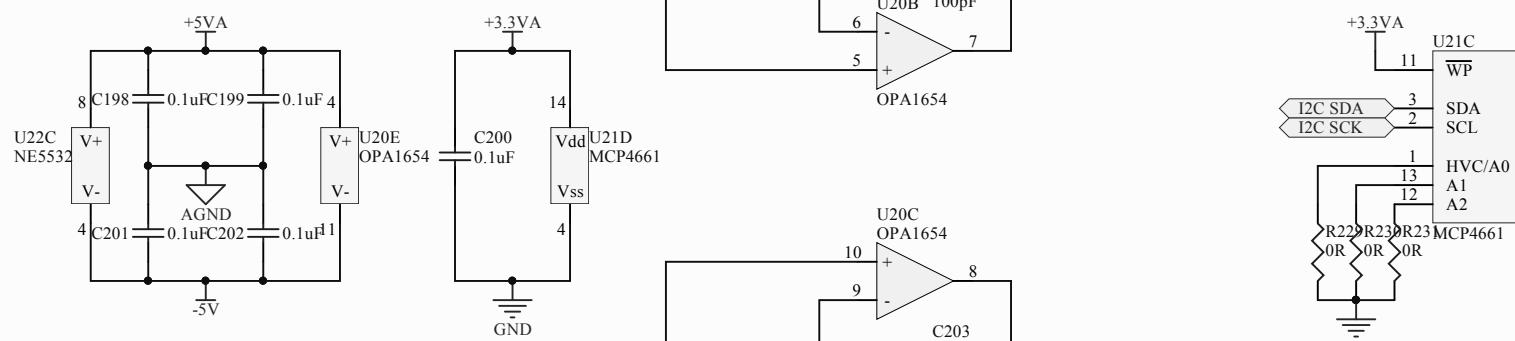
Title

Size	Number	Revision
A		
Date:	4/2/2018	Sheet of
File:	C:\Users\...\PF11 DigiPot Cutoff.SchDwg	Drawn By:

A

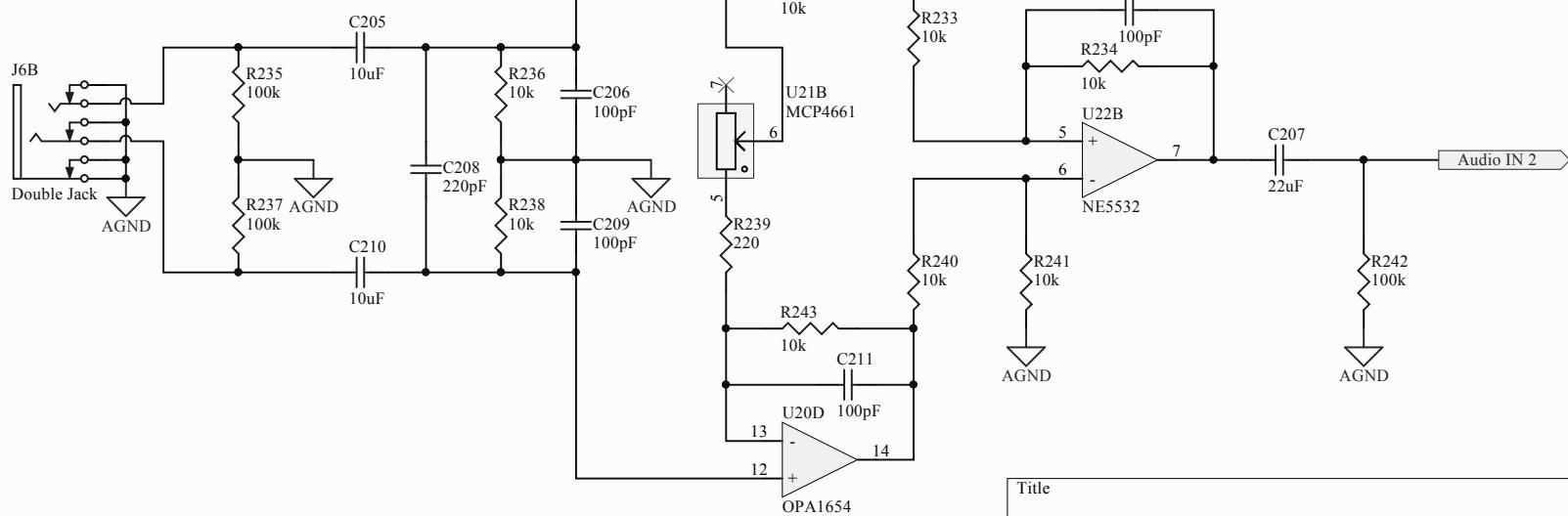


B



In Gain Digi Pot ADDR = 0101 000x

C

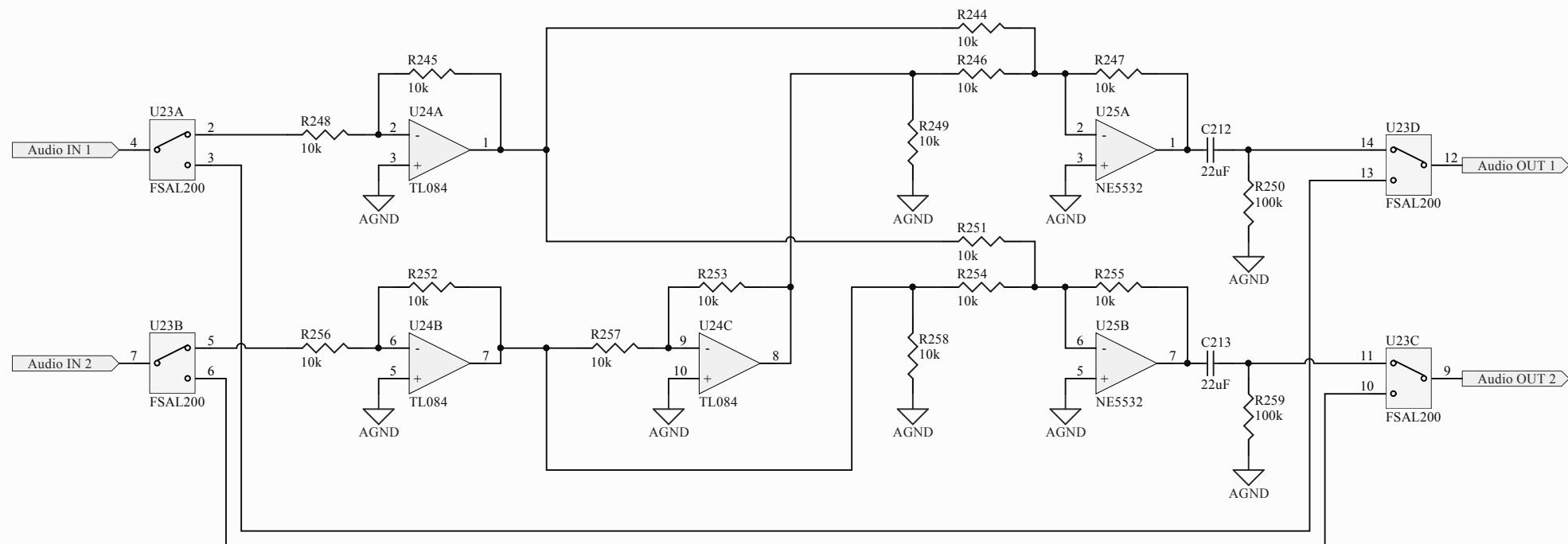


D

Title

Size	Number	Revision
A		
Date: 4/2/2018	Sheet of	
File: C:\Users...\PF2_AudioInput.SchDoc		Drawn By:

A



B

C

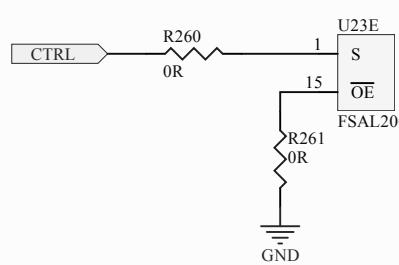
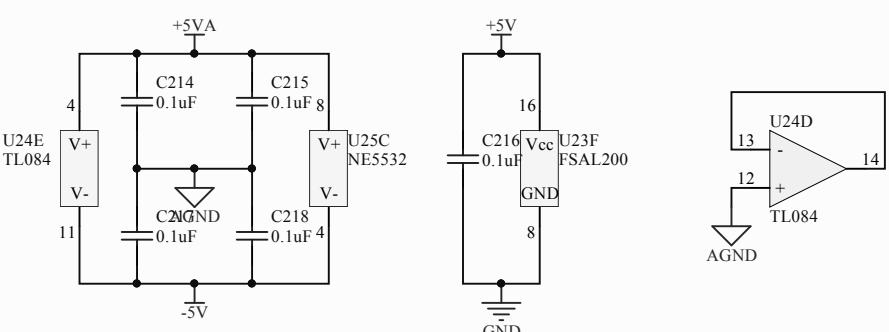
D

A

B

C

D



Title

Size

Number

Revision

Date: 4/2/2018

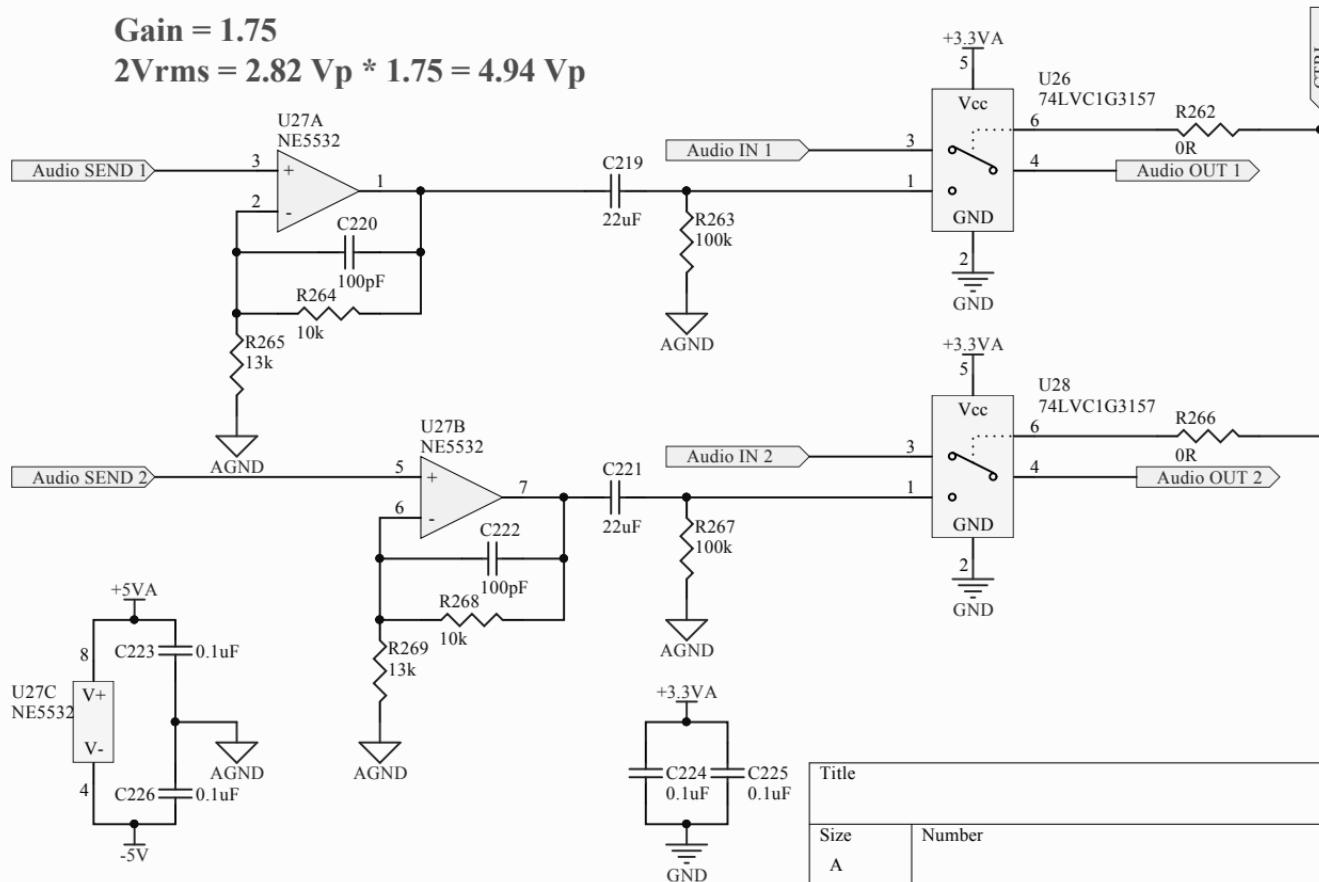
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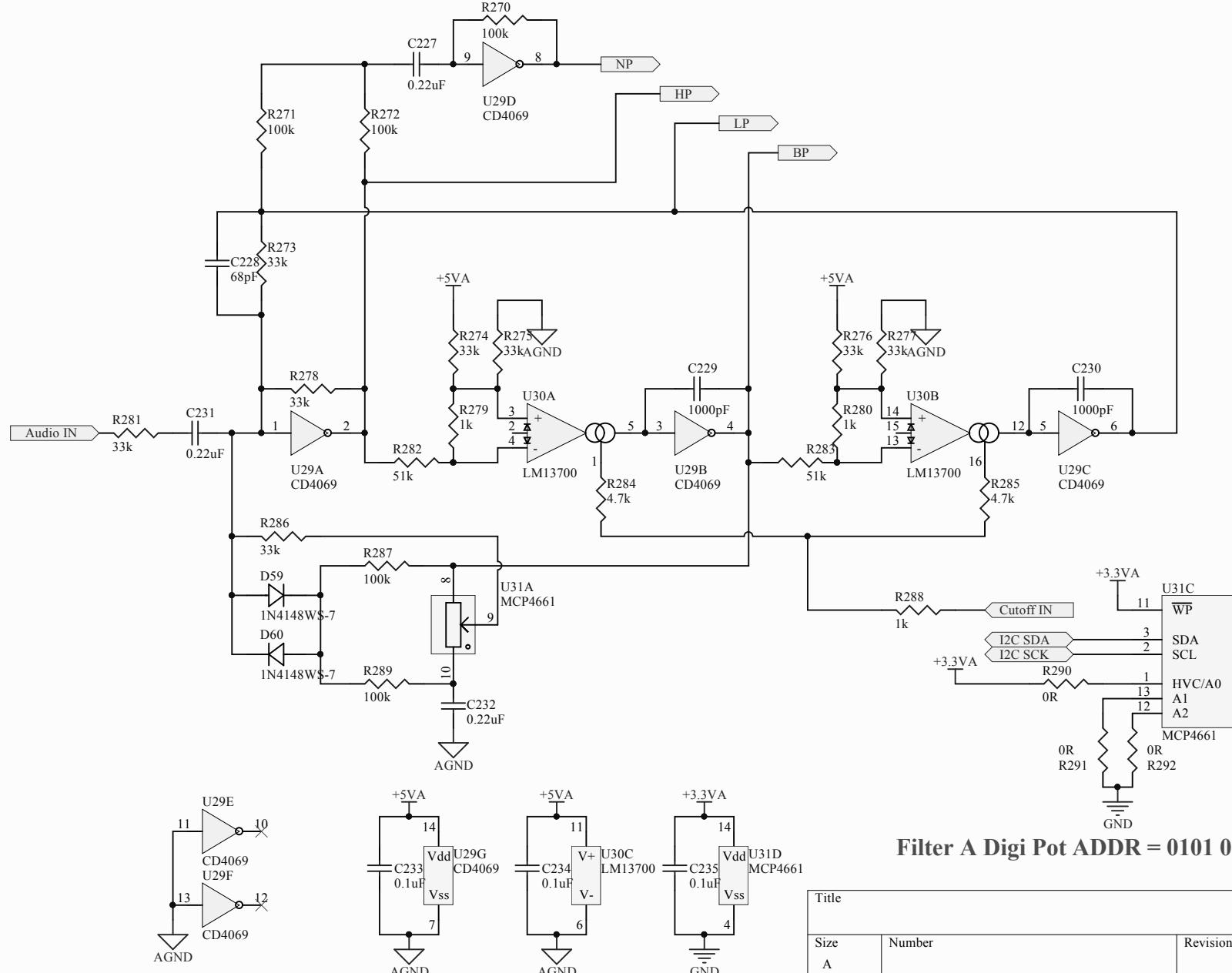
Drawn By:

Gain = 1.75

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

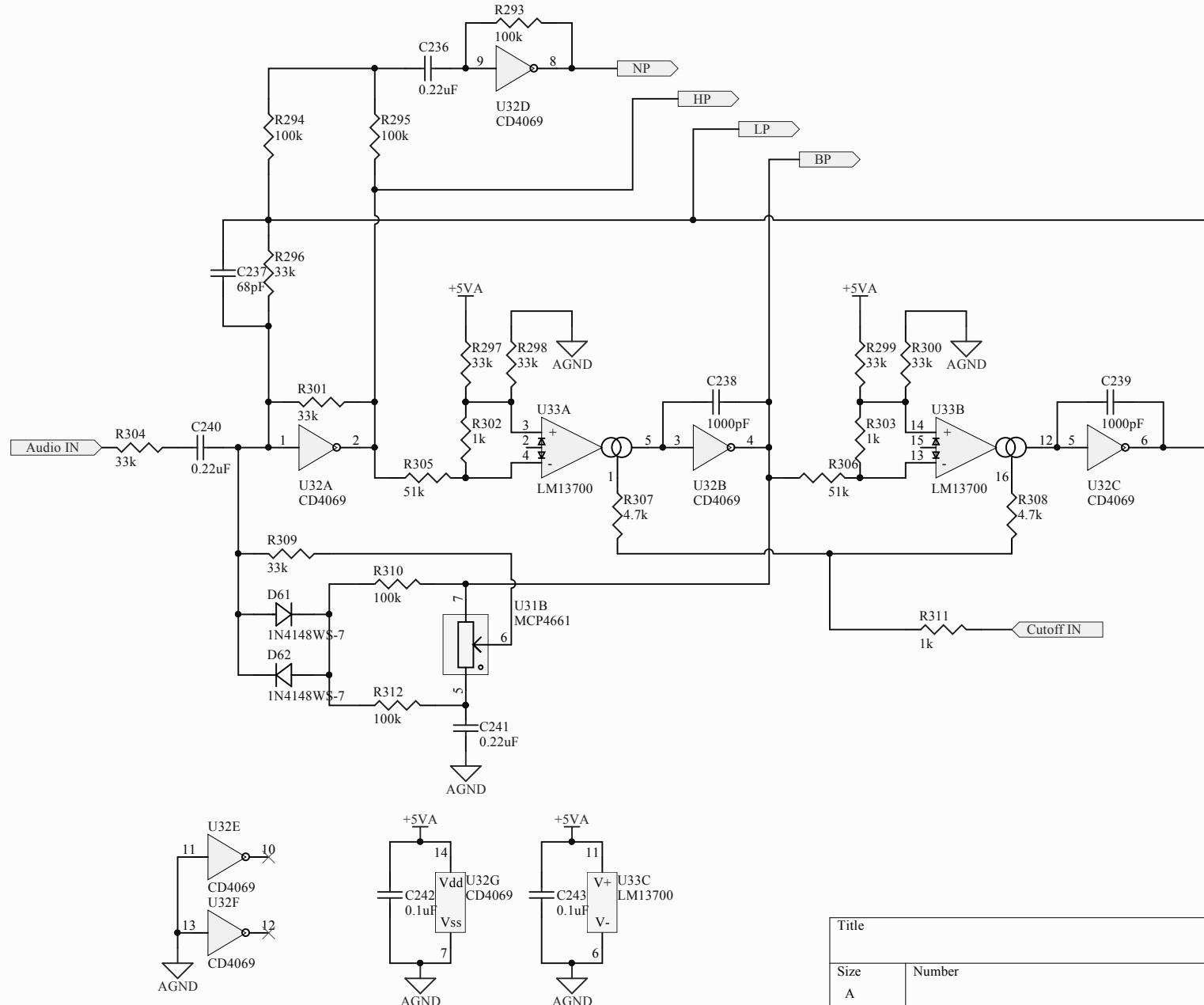


Title		Revision
Size	Number	
A		
Date:	4/2/2018	Sheet of
File:	C:\Users\...\PF4 DSPBypass.SchDoc	Drawn By:



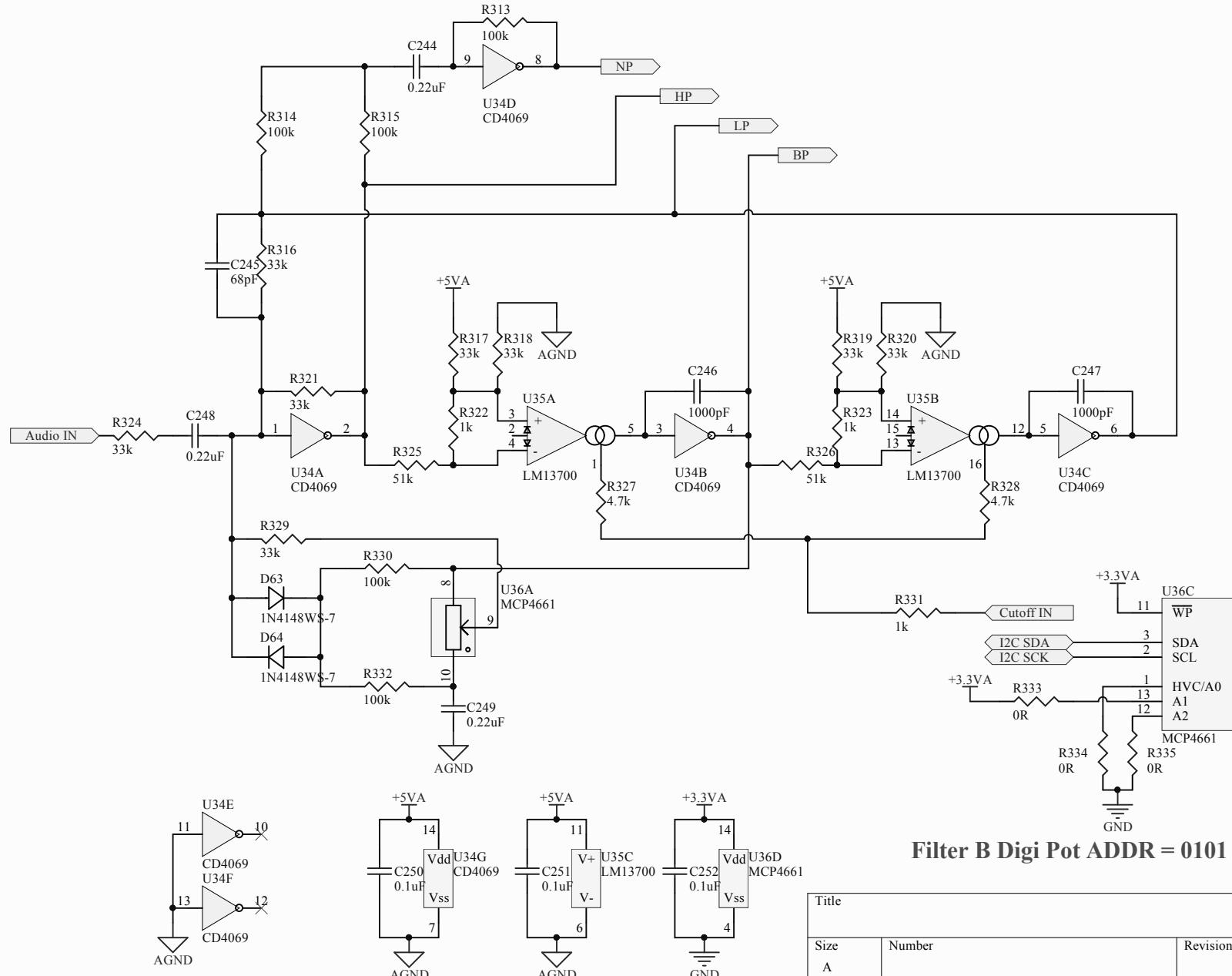
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Size	Number	Revision
A		
Date: 4/2/2018	Sheet of	
File: C:\Users\...\PF5a Filter1A.SchDoc		Drawn By:



Title

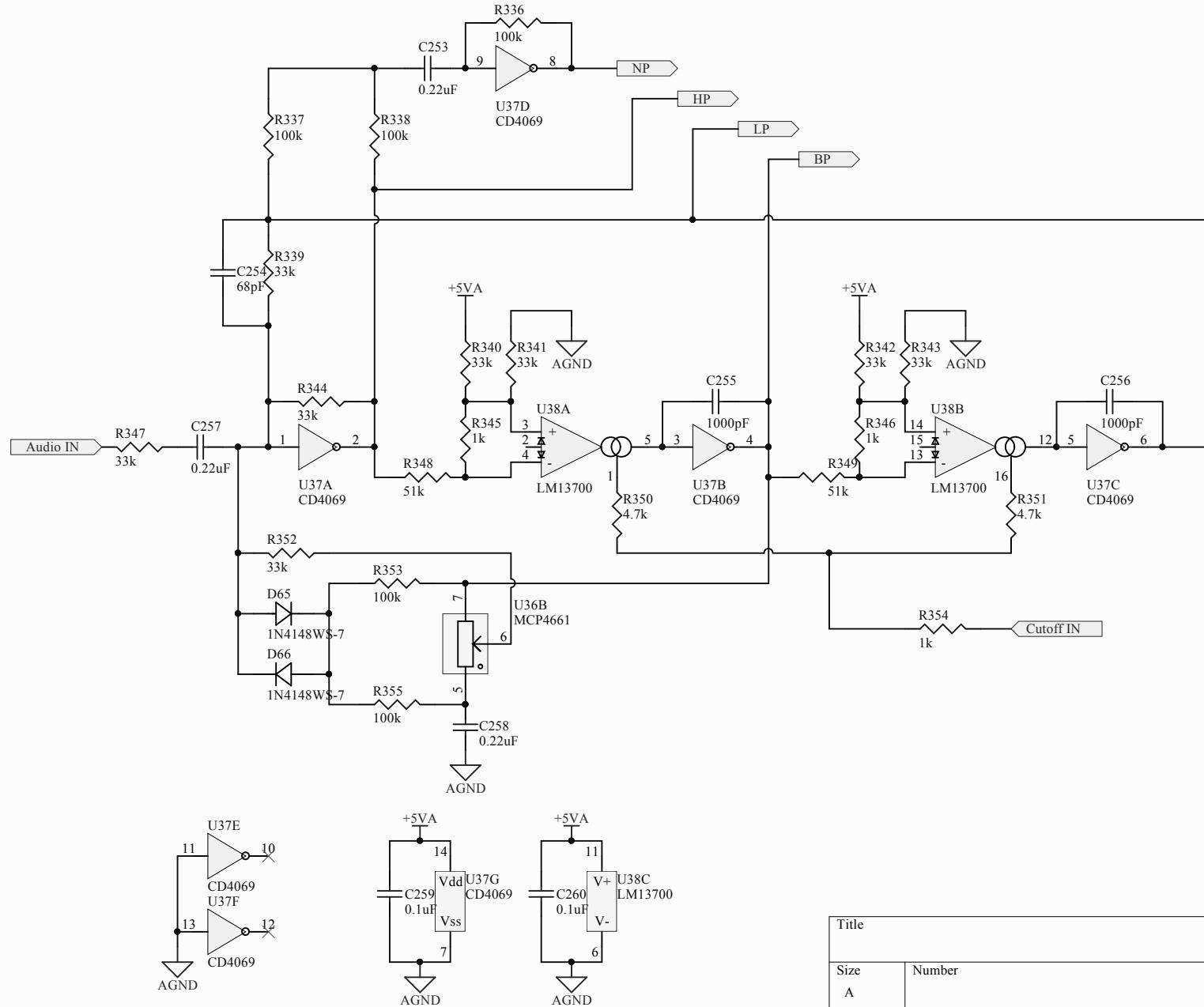
Size	Number	Revision
A		
Date: 4/2/2018	Sheet of	
File: C:\Users\...\PF5b Filter2A.SchDoc		Drawn By:



Filter B Digi Pot ADDR = 0101 010x

Title

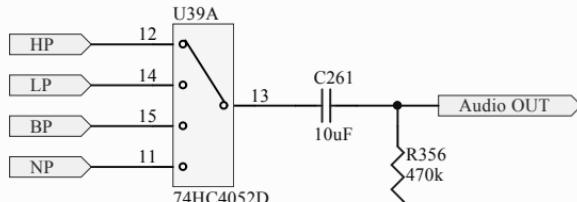
Size	Number	Revision
A		
Date: 4/2/2018	Sheet of	
File: C:\Users\...\PF5c Filter1B.SchDoc		Drawn By:



Title

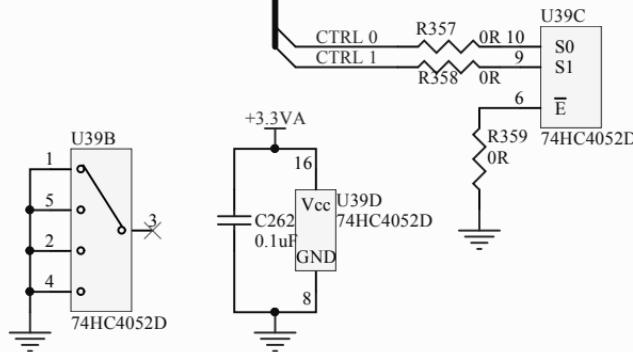
Size	Number	Revision
A		
Date: 4/2/2018	Sheet of	
File: C:\Users\...\PF5d Filter2B.SchDoc		Drawn By:

A



B

CTRL [0..1] → CTRL [0..1]



C

Title

Size

A

Number

Revision

Date:

4/2/2018

Sheet of

File:

C:\Users\...\PF6_FilterMode.SchDoc

Drawn By:

A

B

C

D

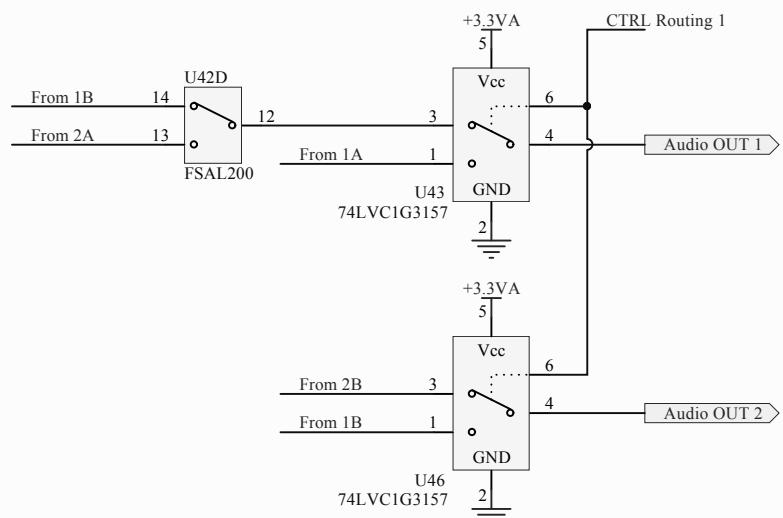
	1A	2A	1B	2B	Out1	Out2
Stereo	In1	In2	1A	2A	1B	2B
Dual Mono	//	1A	In2	1B	2A	//
Single Mono	//	//	//	//	1A	1B

Audio IN 2 → From Audio IN 2

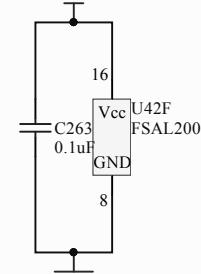
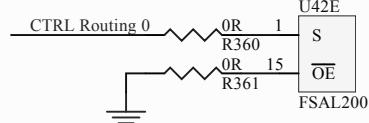
Audio IN 1 → To 1A

From Audio IN 2 2 → U42A
From 1A → 3 → To 2A
From 2A → 14 → U42D
From 1B → 13 → FSAL200From 1A → 5 → U42B
From Audio IN 2 6 → 7 → To 1B
From 2B → 3 → U42C
From 1B → 10 → FSAL200From 2A → 11 → U42C
From 1B → 10 → FSAL200

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

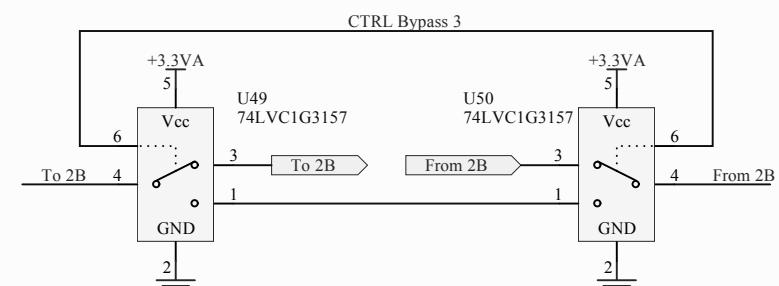
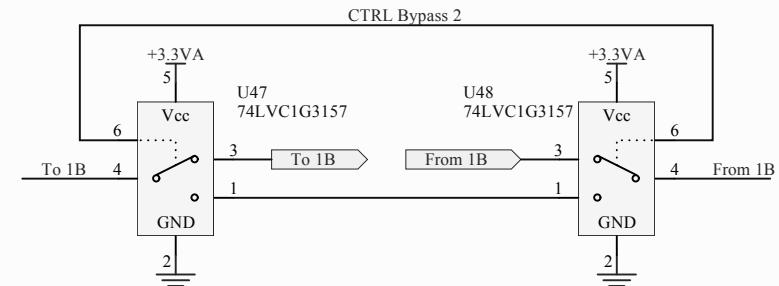
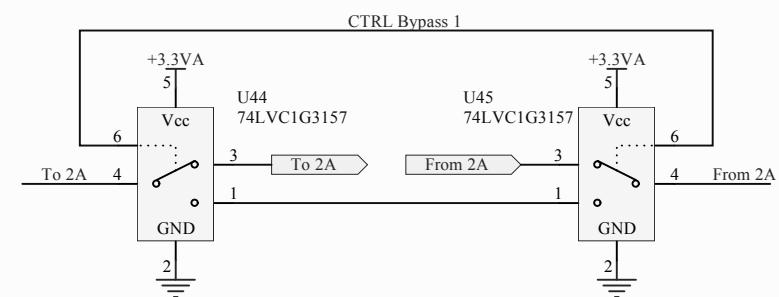
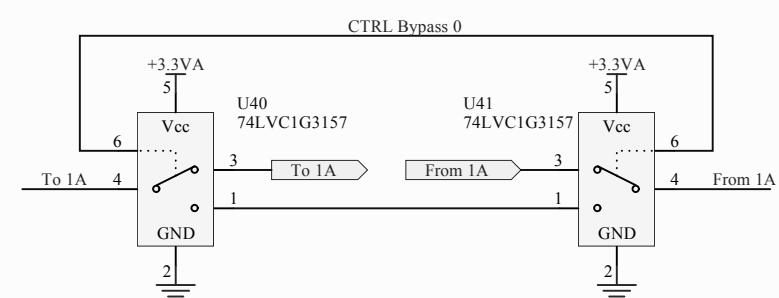
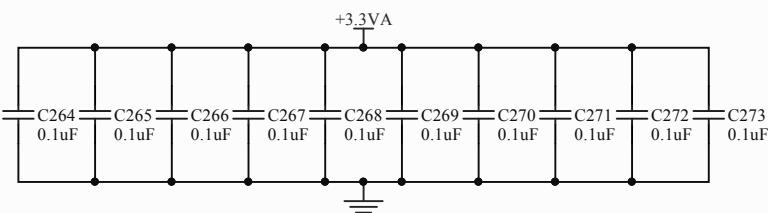


FILTER ROUTING



FILTER BYPASS

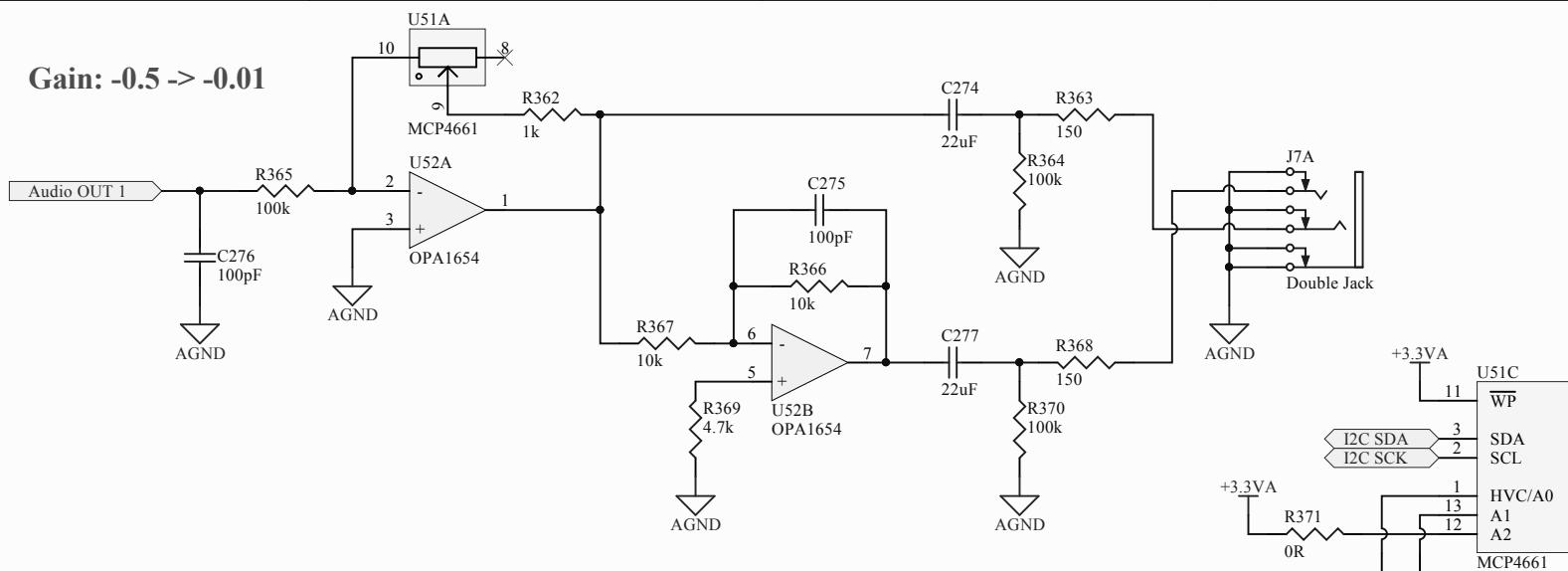
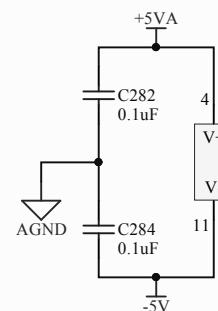
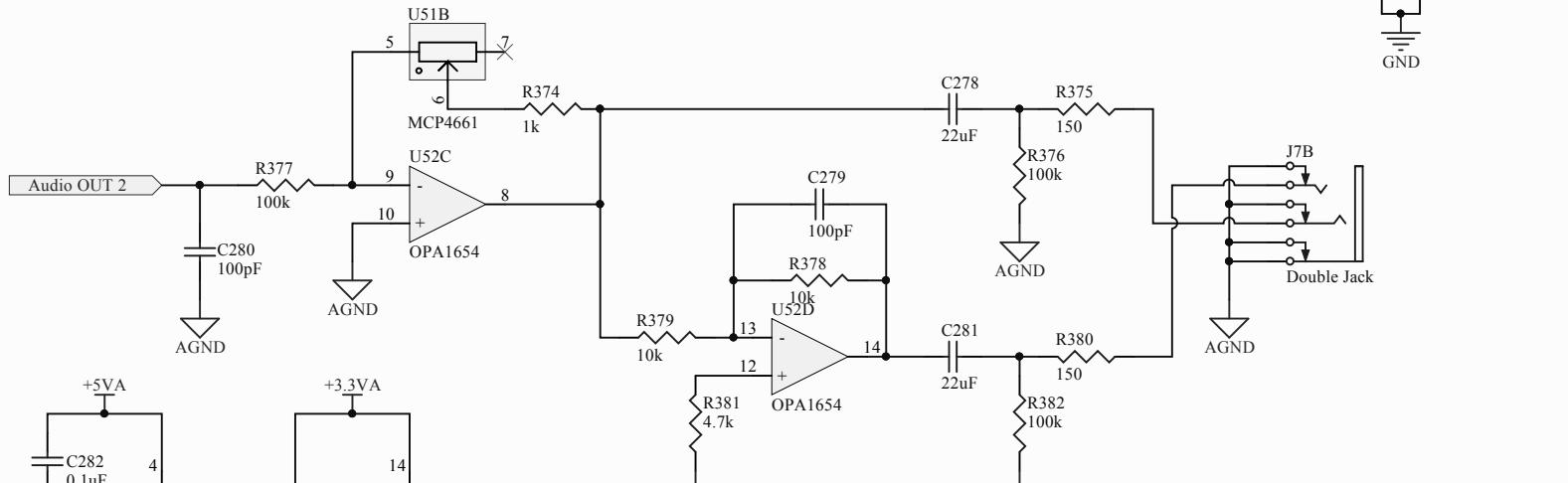
CTRL Bypass [0..3] → CTRL Bypass [0..3]



Title

Size
ANumber
Sheet of
RevisionDate: 4/2/2018
File: C:\Users\...\PF7 FilterRoutingBypass.SchDoc
Drawn By:

A

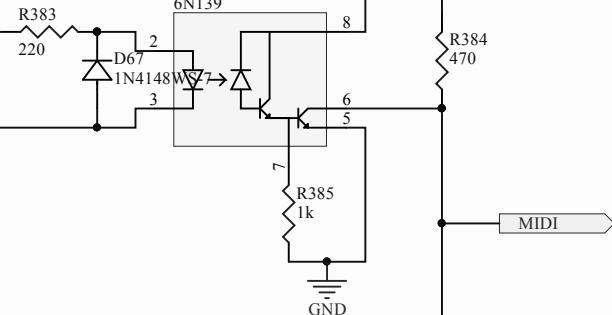
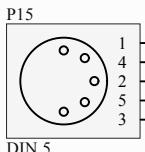
Gain: -0.5 > -0.01**Output Digi Pot ADDR = 0101 100x**

Title

Size	Number	Revision
A		
Date: 4/2/2018	Sheet of	
File: C:\Users\...\PF8_AudioOutput.SchDoc		Drawn By:

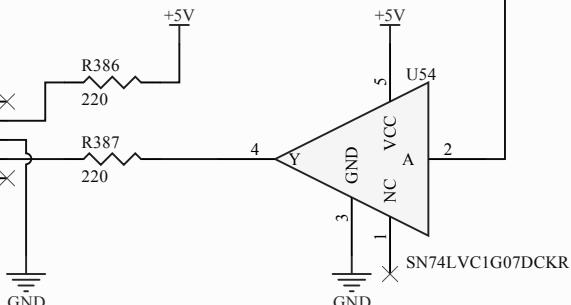
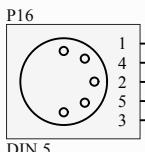
A

A

MIDI IN

B

B



C

C

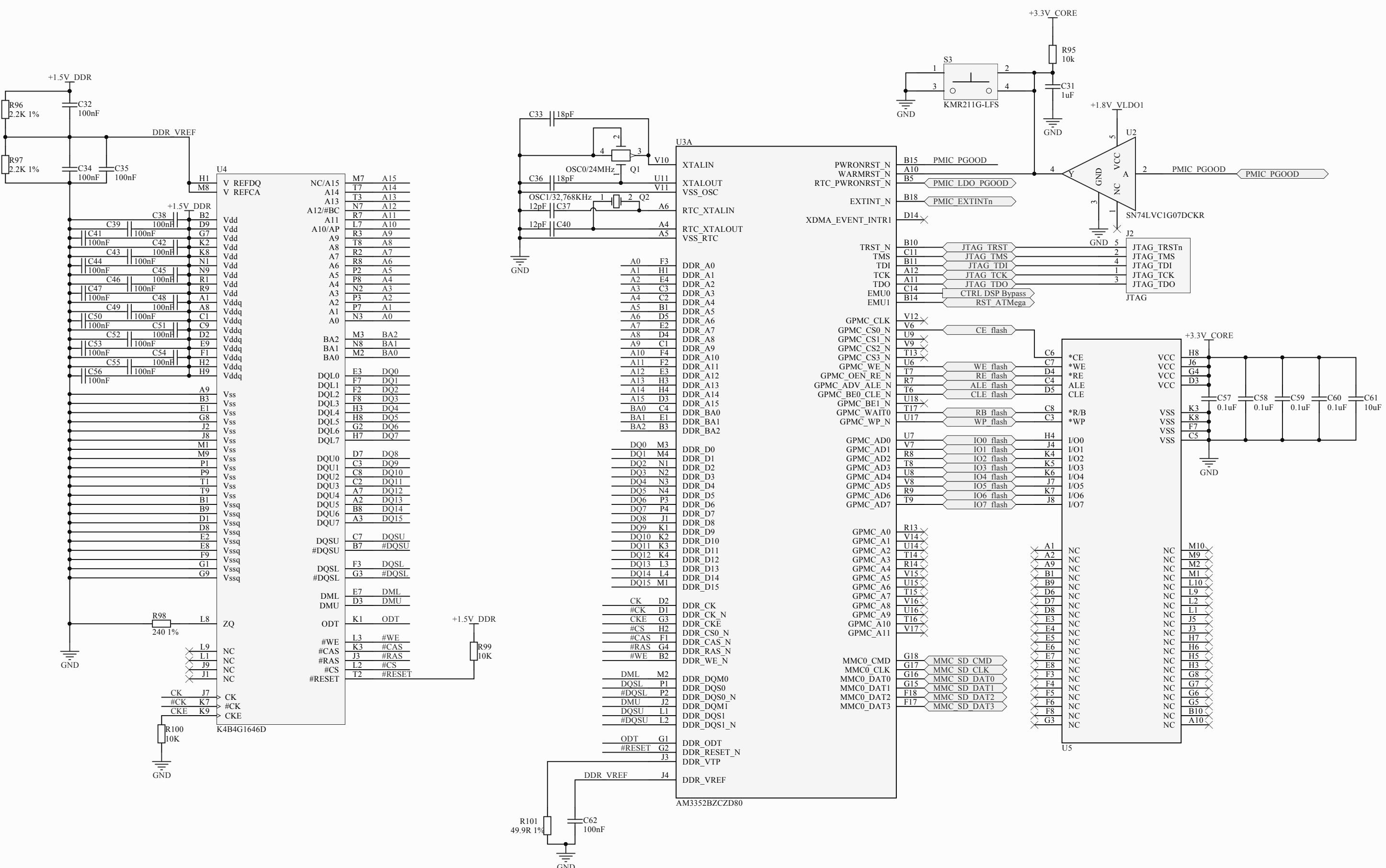
MIDI THRU

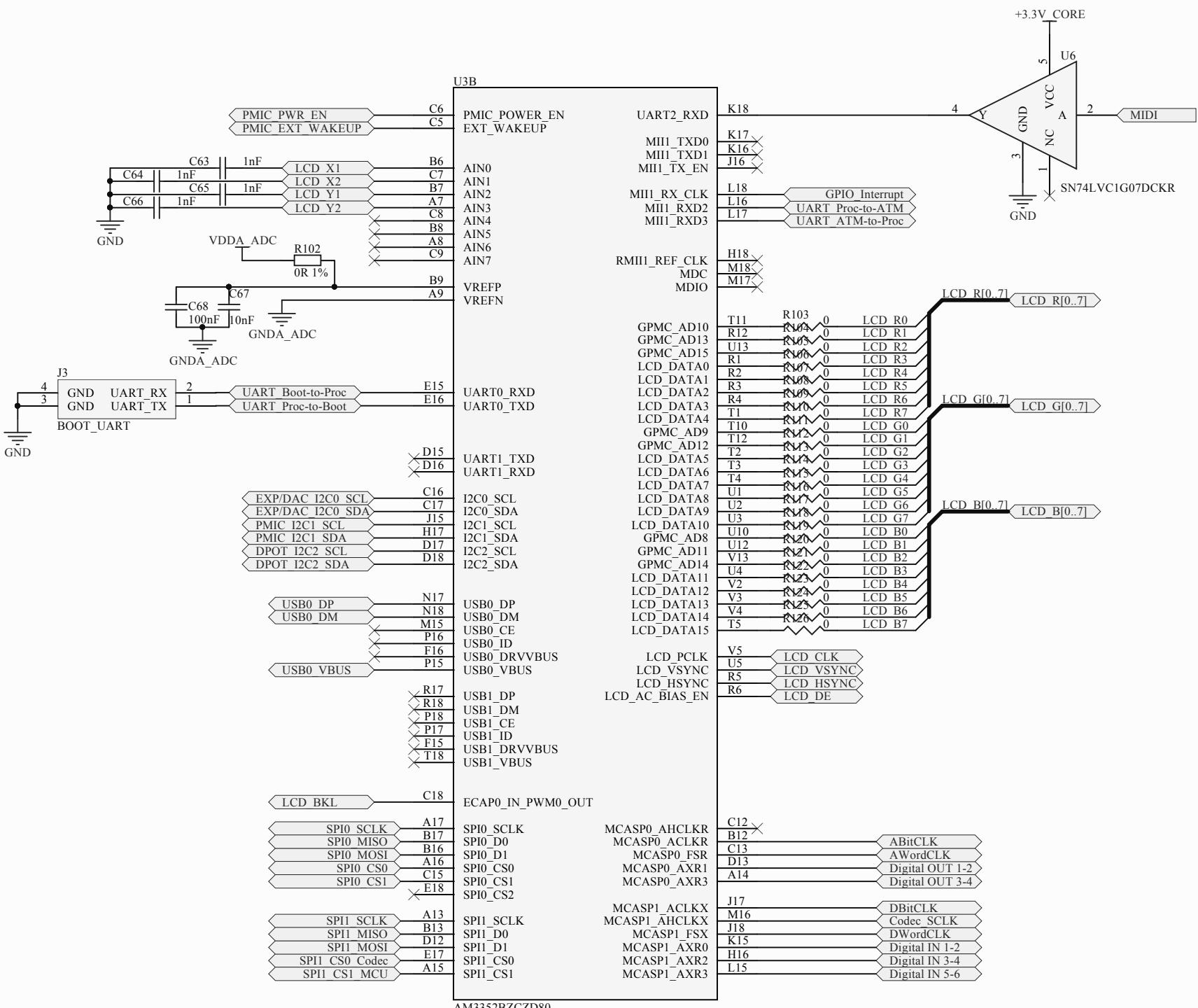
Title

Size	Number	Revision
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Date:	4/2/2018	Sheet of
File:	C:\Users\..\PF9_MIDI.SchDoc	Drawn By:

D

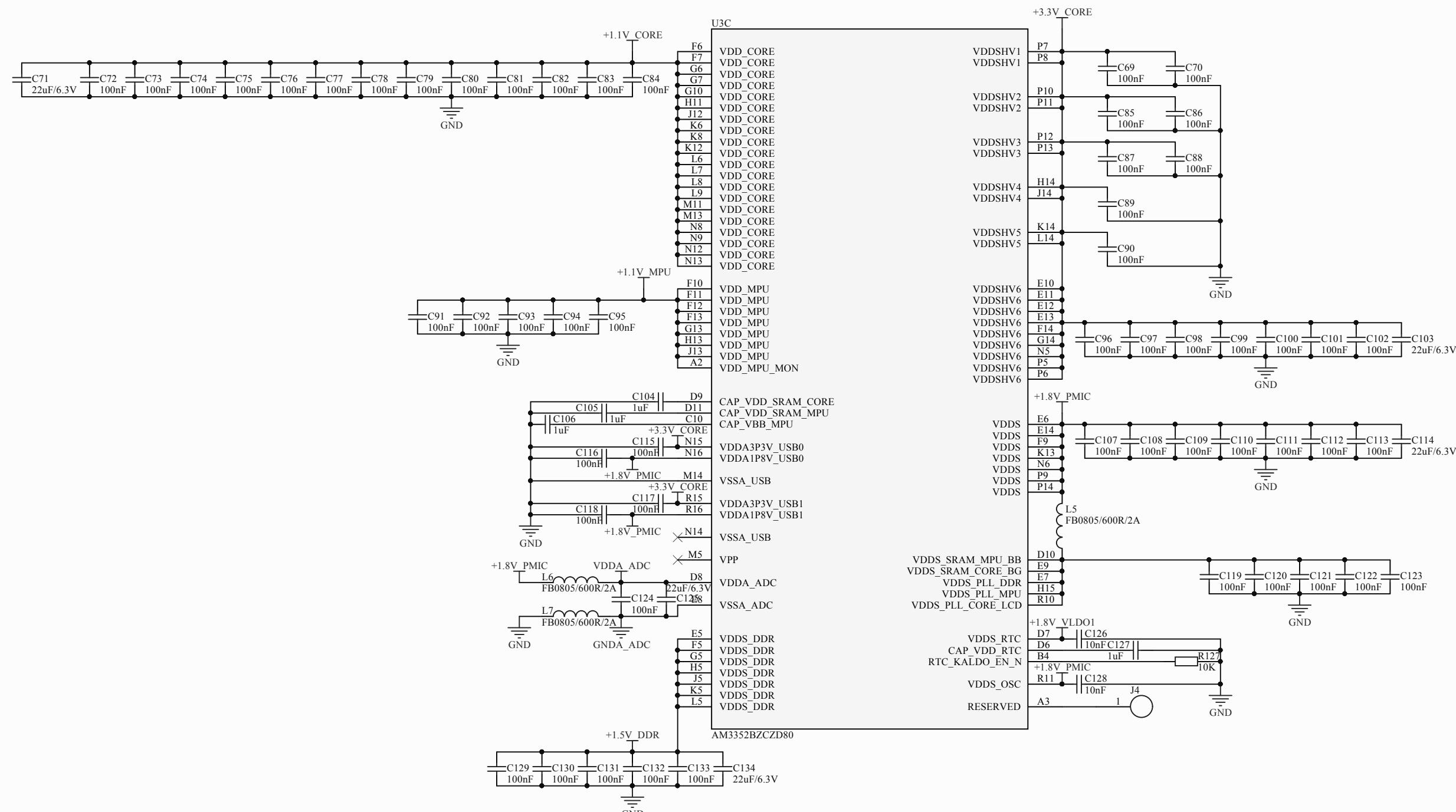
D





Title		
Size	Number	Revision
A3		
Date: 4/2/2018	Sheet of	
File: C:\Users\...\PP2.ptb.SchDoc		Drawn By:

A



Title		
Size A3	Number	Revision
Date: 4/2/2018	Sheet of	
File: C:\Users\..\\PP3_ptC_Alim.SchDoc	Drawn By:	

A

A

B

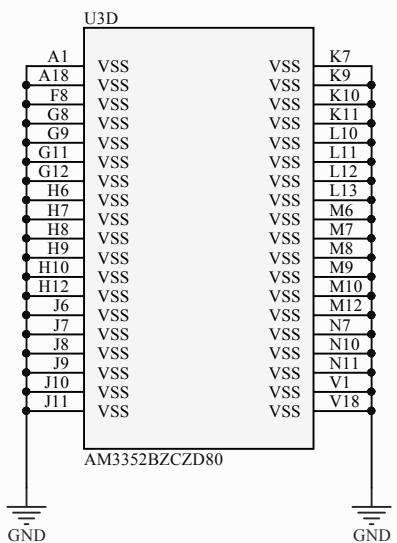
B

C

C

D

D

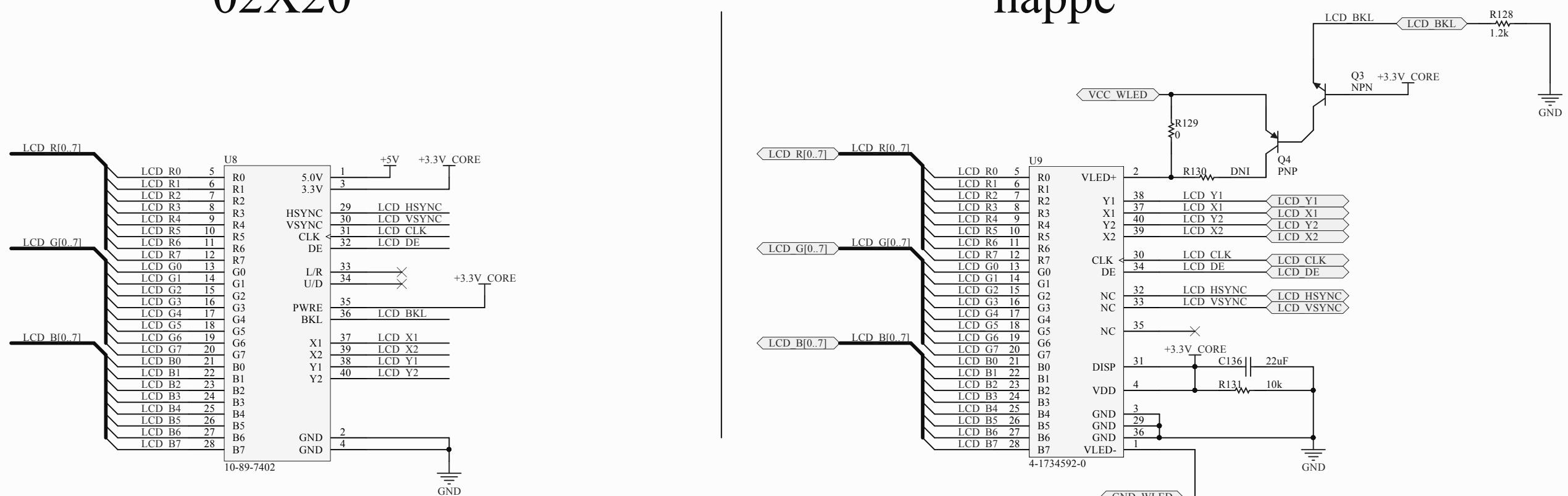


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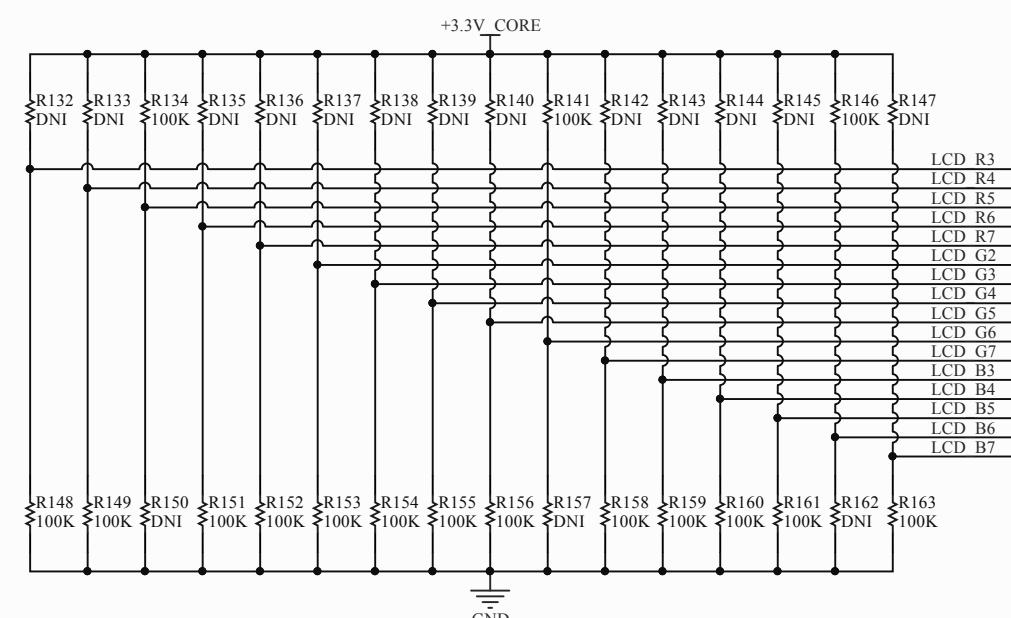
Size	Number	Revision
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Date:	4/2/2018	Sheet of
File:	C:\Users\PP4.pD.GND.SchDoc	Drawn By:

02X20

nappe



BOOT



0010 0000 0100 0010

Title		
Size	Number	Revision
A3		
Date: 4/2/2018	Sheet of	
File: C:\Users\..\\PP6_LCD.SchDoc	Drawn By:	

1

2

3

4

5

6

A

A

B

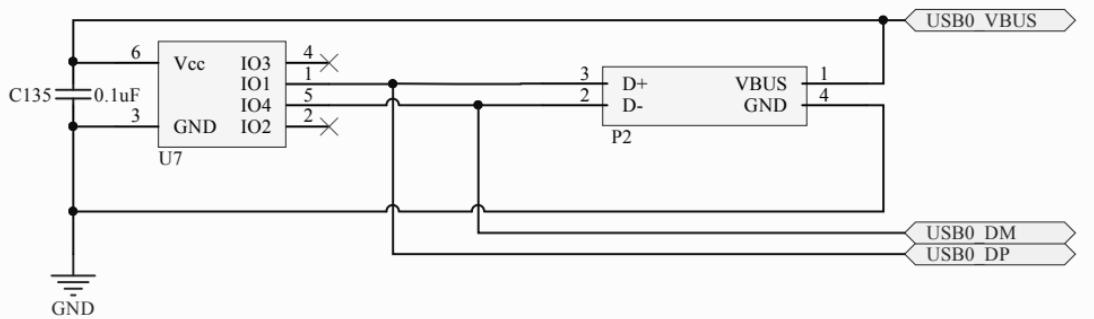
B

C

C

D

D



1

2

3

4

5

6

A

A

B

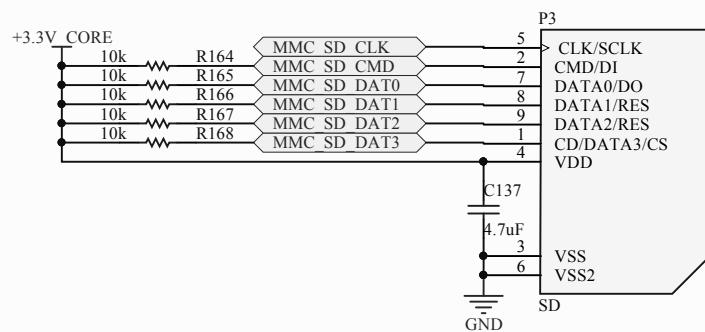
B

C

C

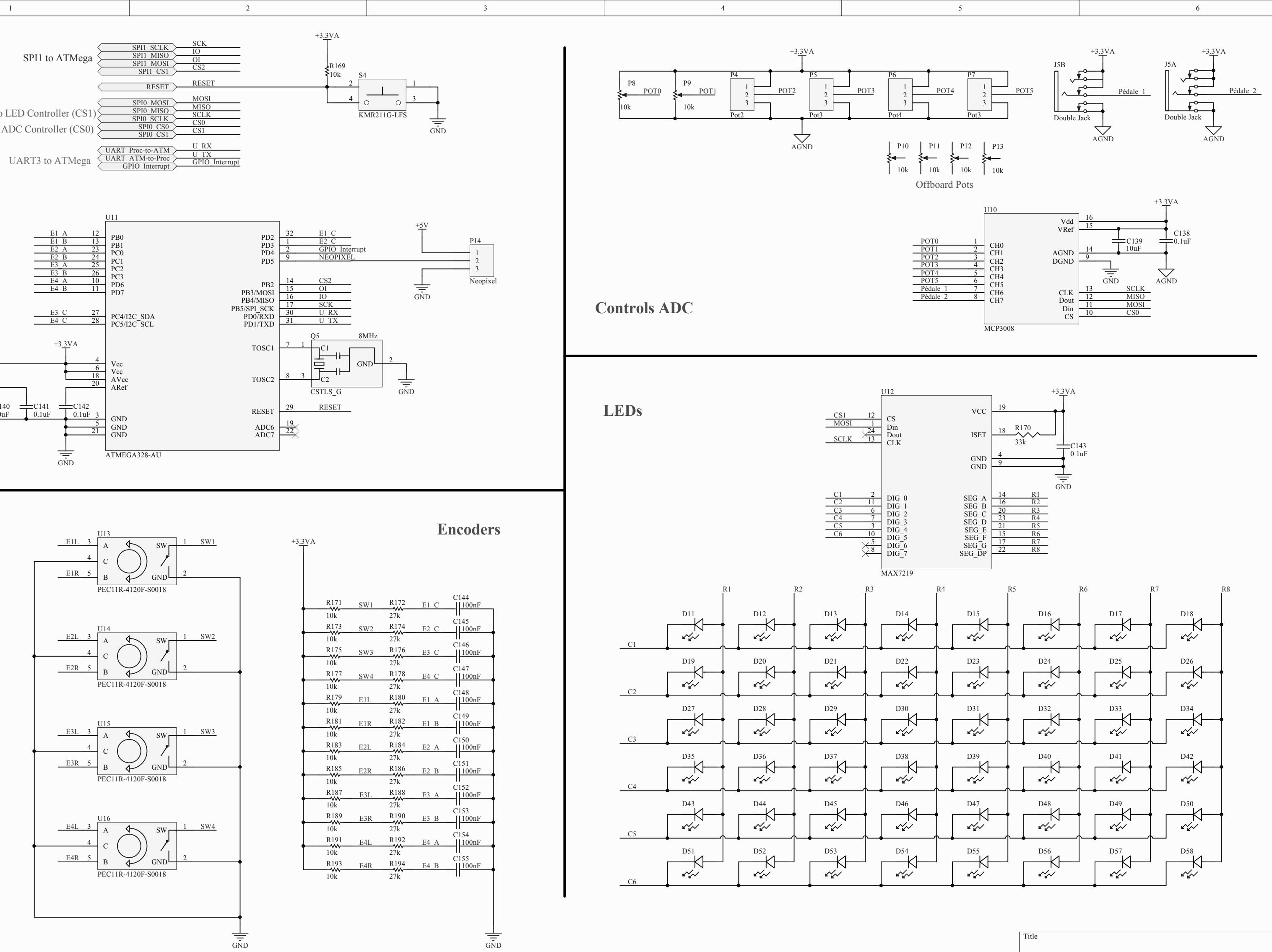
D

D



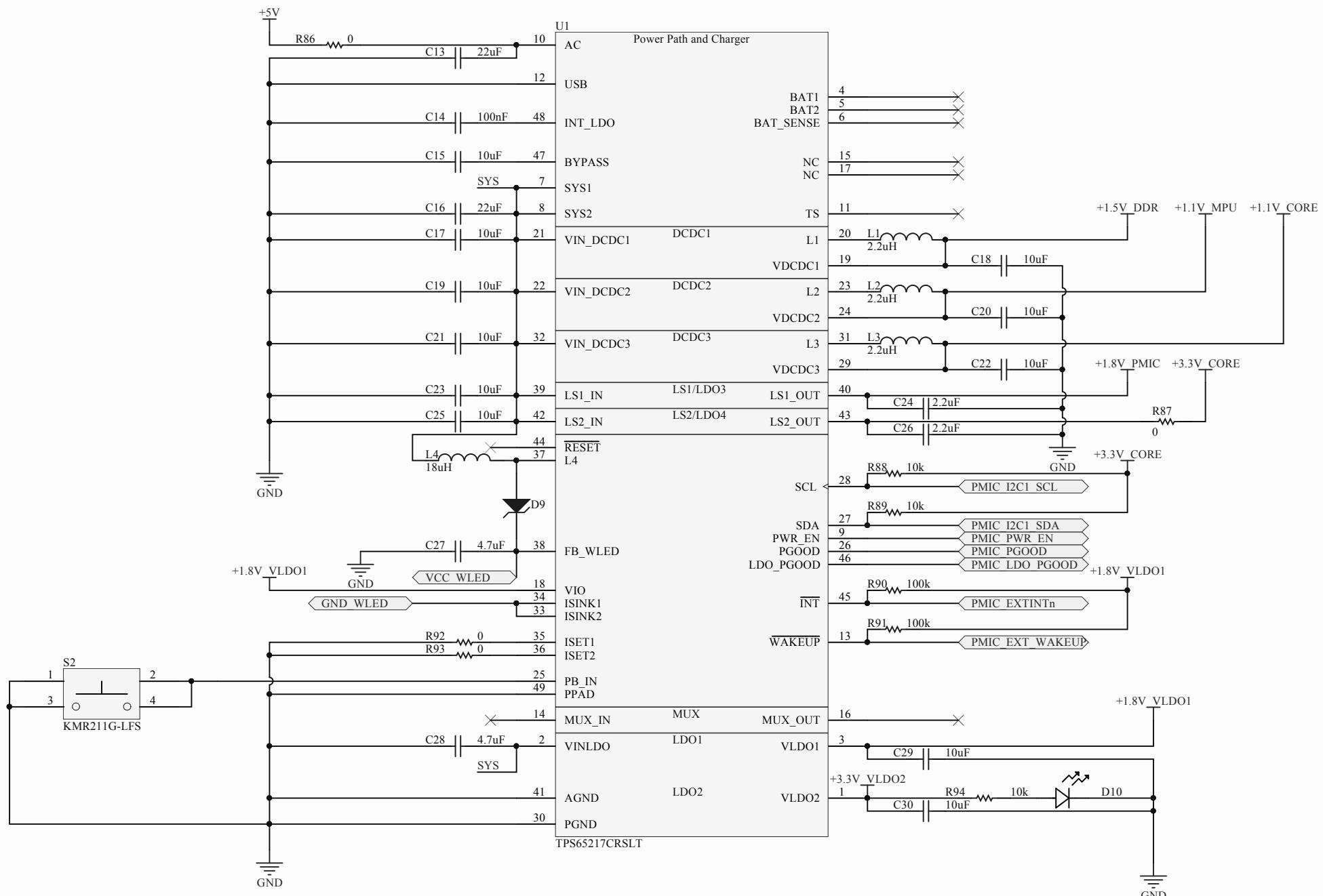
Title

Size	Number	Revision
A		
Date:	4/2/2018	Sheet of
File:	C:\Users\...\PP8 MMC.SchDoc	Drawn By:



A

A



B

B

C

C

D

D

Title		
Size A3	Number	Revision
Date: 4/2/2018	Sheet of	
File: C:\Users\..\PX_PMIC.SchDoc	Drawn By:	