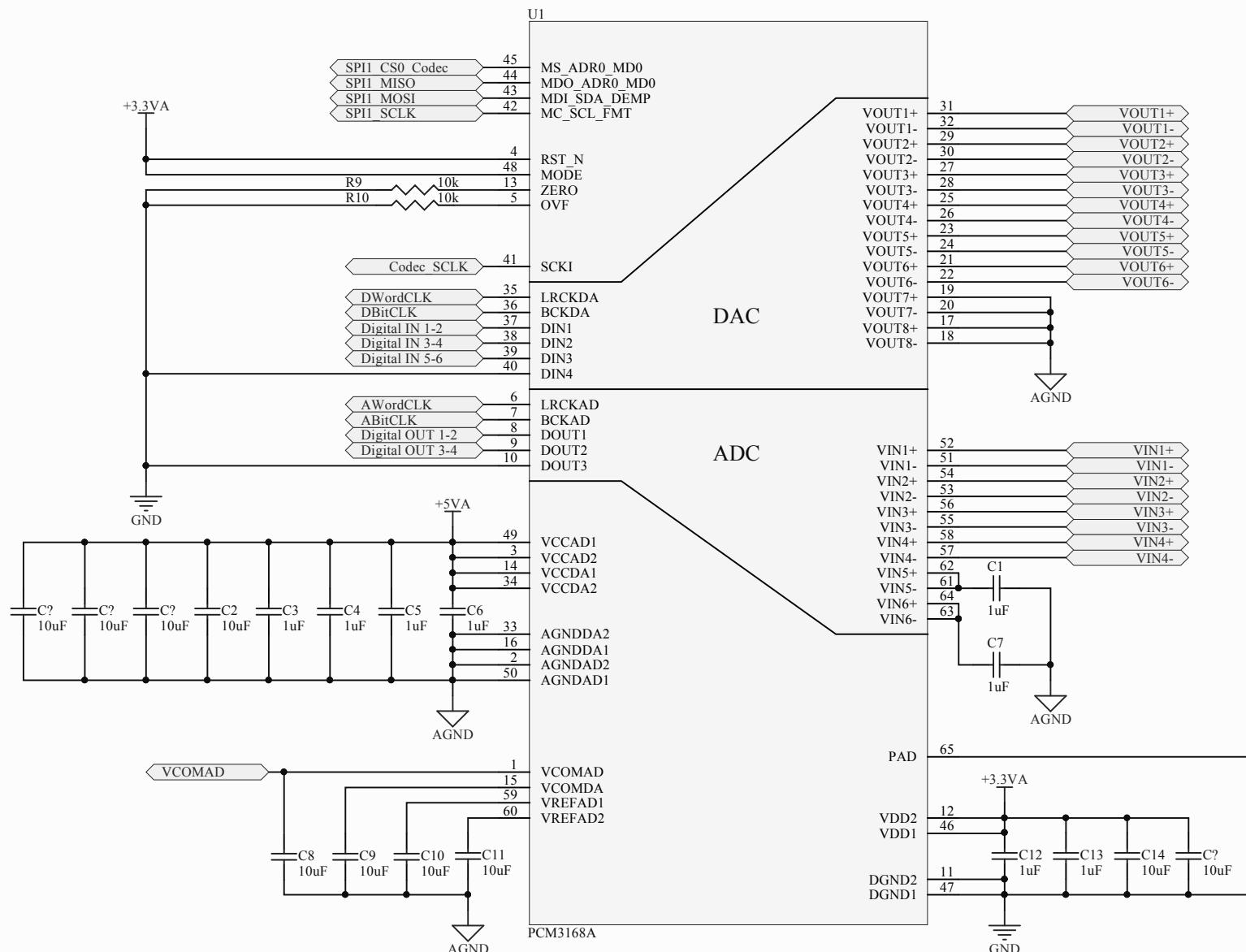


Title		
Size	Number	Revision
A		
Date: 3/27/2018	Sheet of	
File: C:\Users\PA_Alim.SchDoc		Drawn By:



Title

Size Number

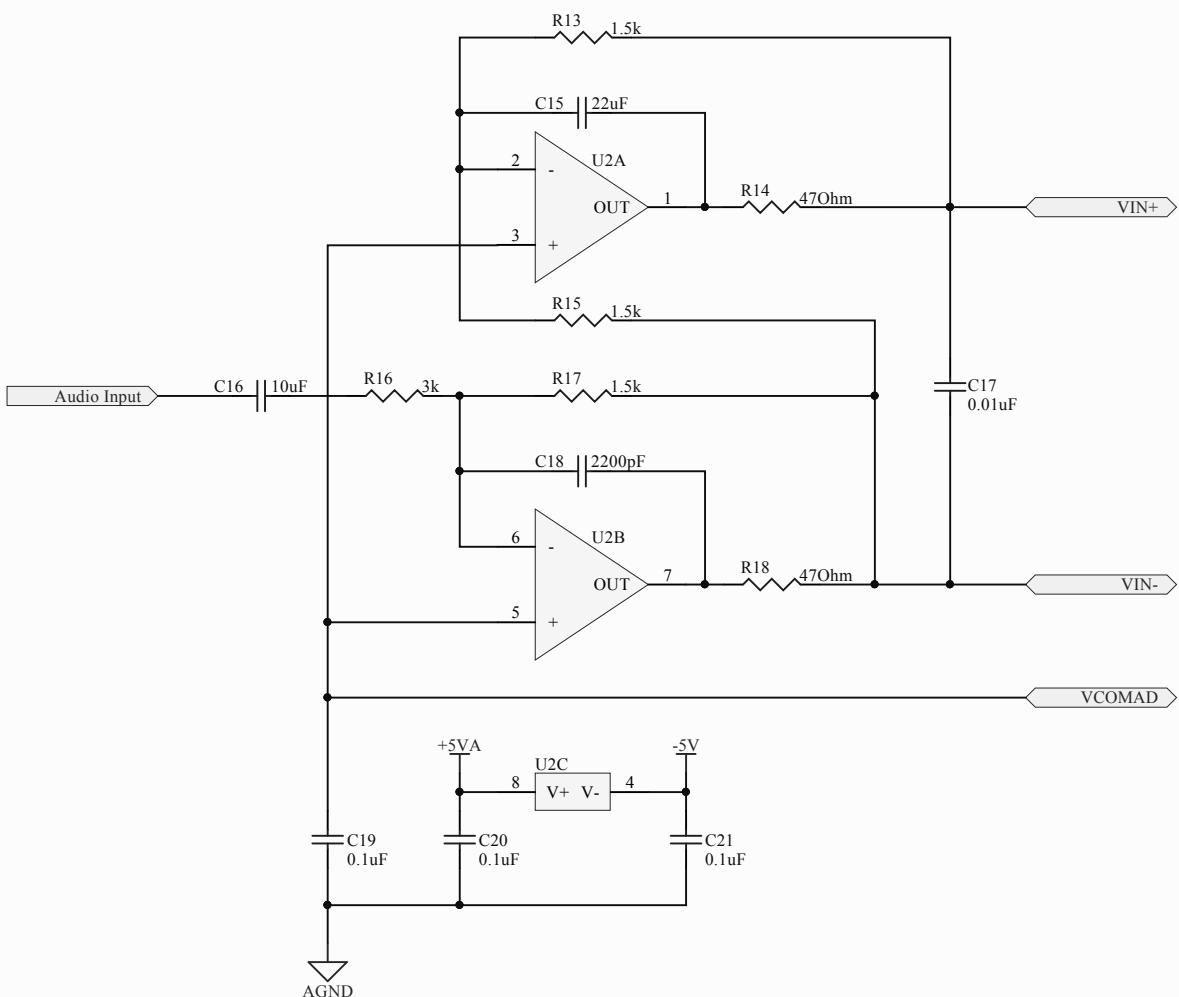
A4 Revision

Date: 3/27/2018

File: C:\Users\...\PC1 Codec.SchDoc

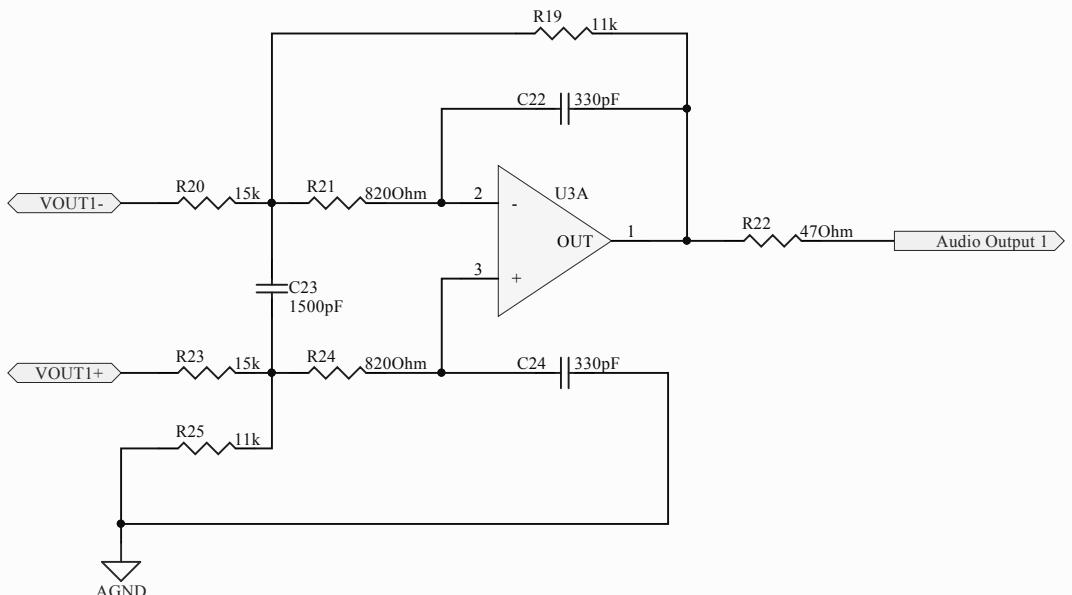
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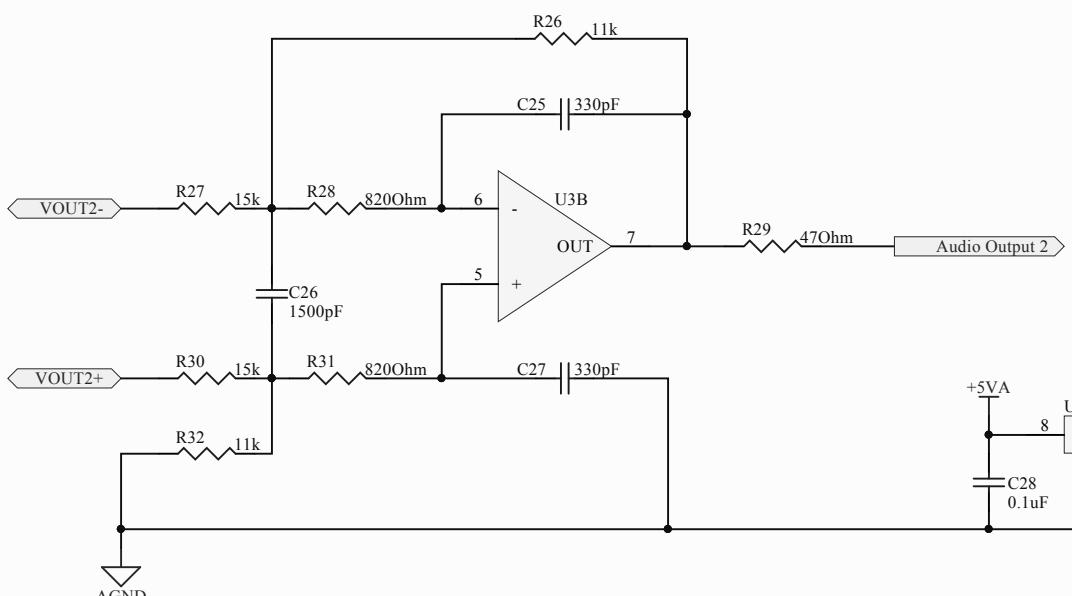


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Size A4	Number	Revision
Date: 3/27/2018		Sheet of
File: C:\Users\...\PC2 Input.SchDoc		Drawn By:

A



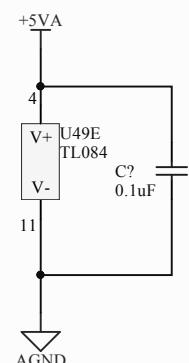
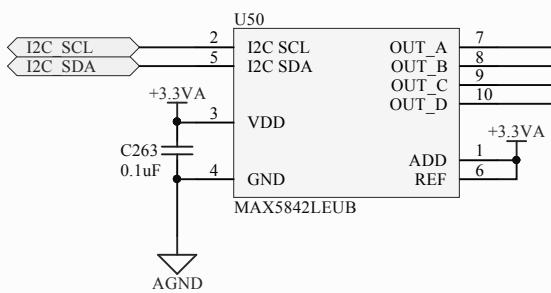
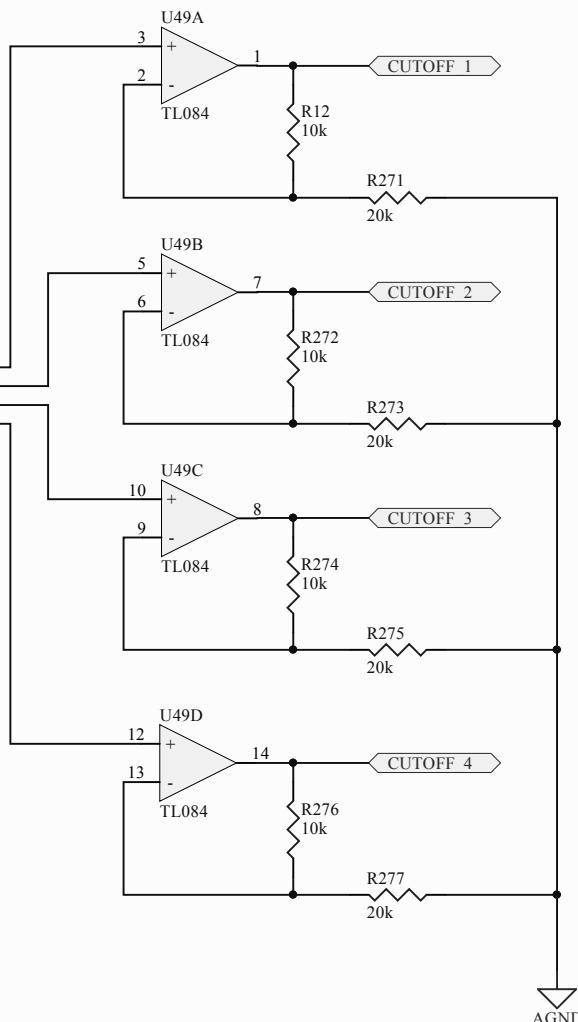
B



D

Title		
Size A4	Number	Revision
Date: 3/27/2018		Sheet of
File: C:\Users\...\PC3 Output.SchDoc		Drawn By:

A



B

B

C

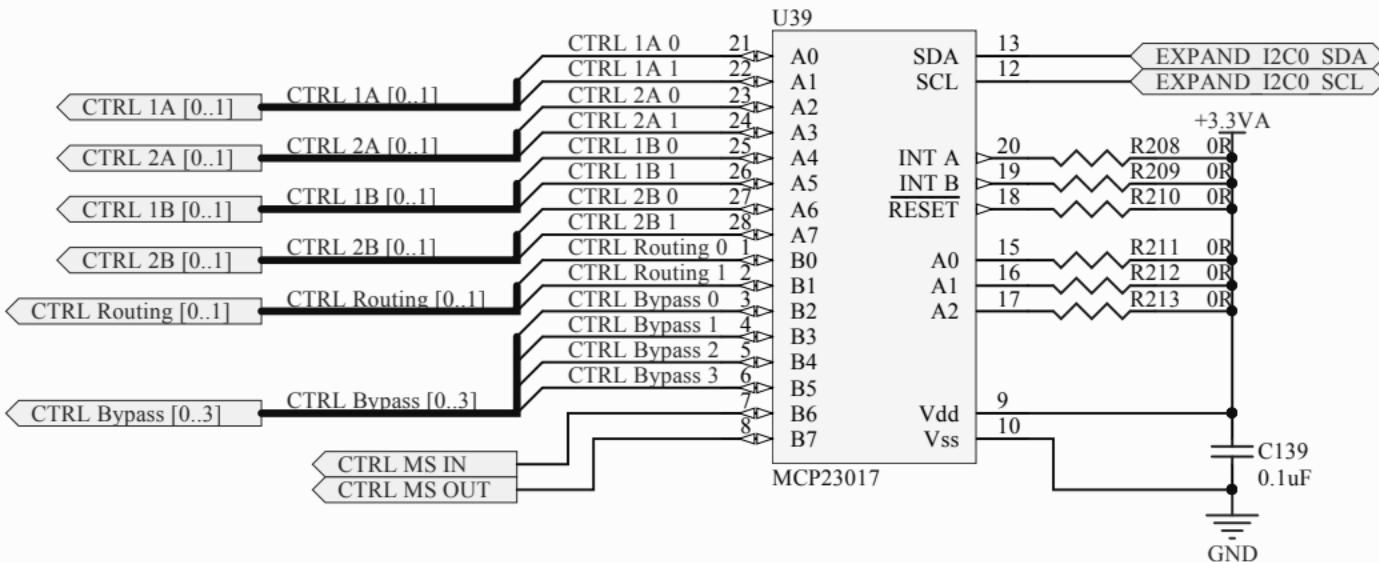
C

D

D

Title		
Size A4	Number	Revision
Date: 3/27/2018		Sheet of
File: C:\Users..\PC4 DAC Cutoff.SchDoc		Drawn By:

Expander Address 0100111



Title

Size	Number	Revision
A		

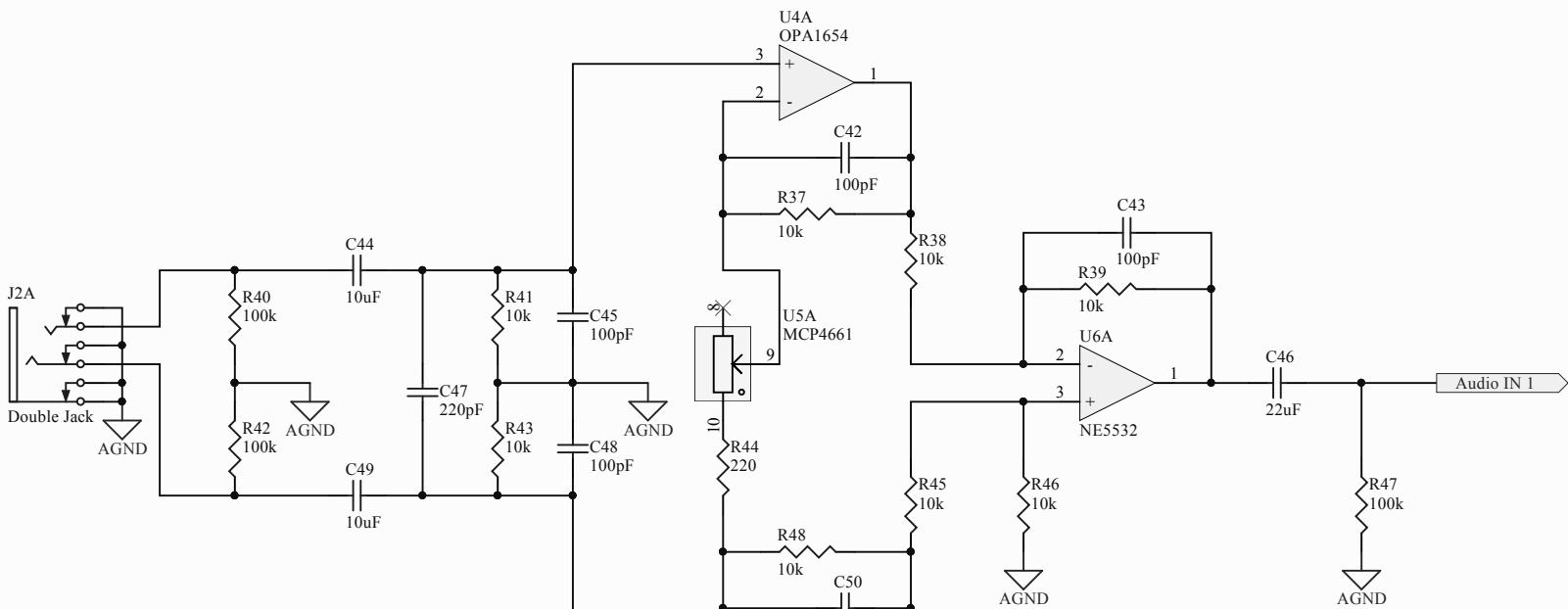
Date: 3/27/2018

Sheet of

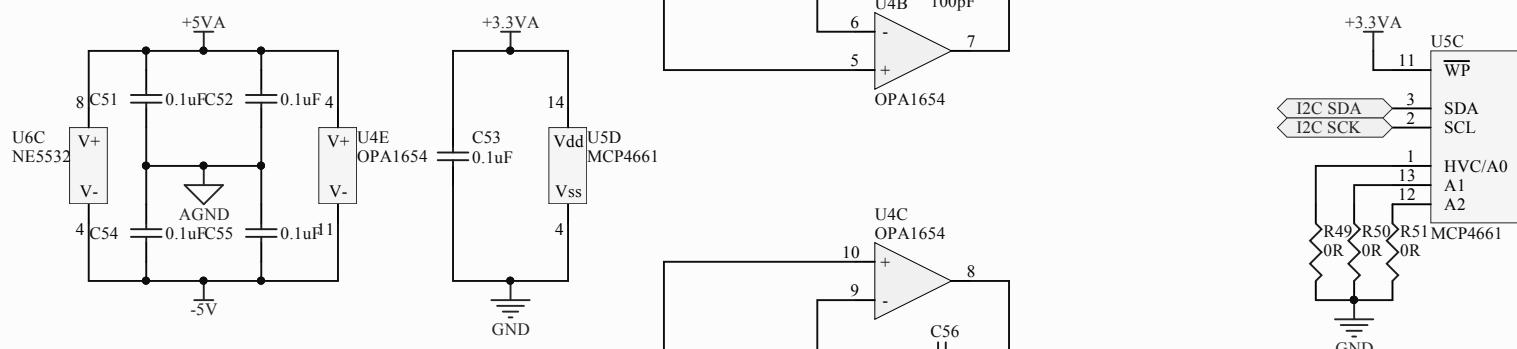
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Drawn By:

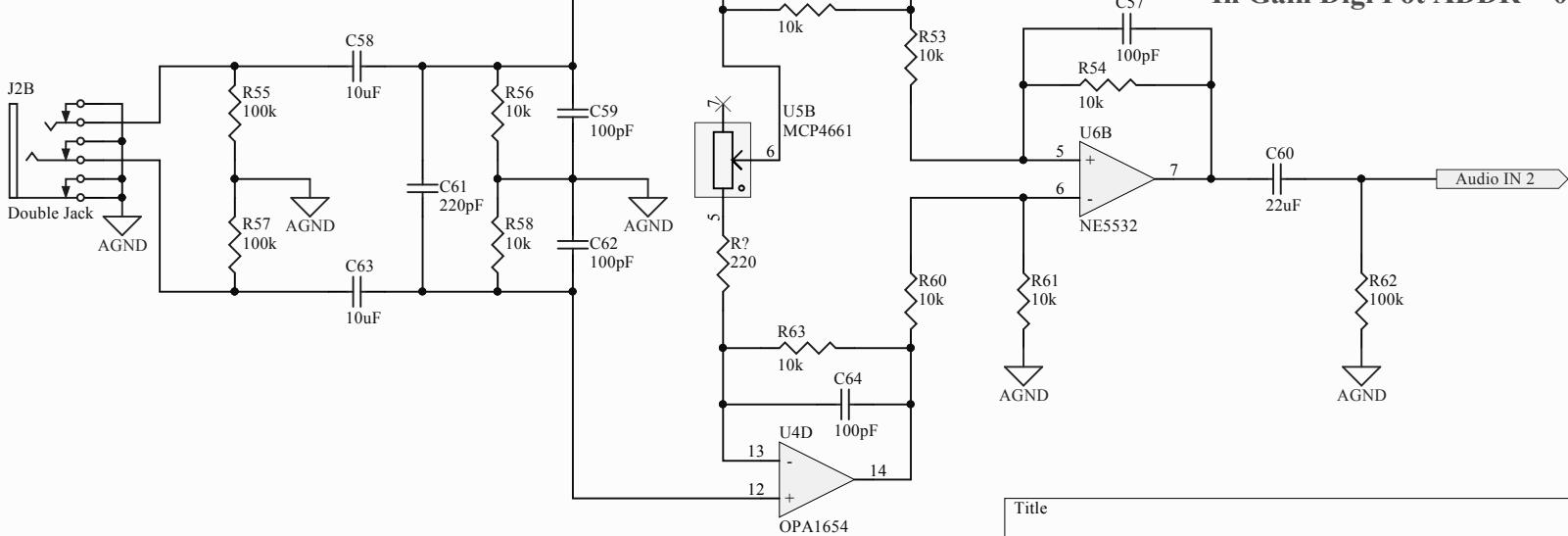
A



B

**In Gain Digi Pot ADDR = 000**

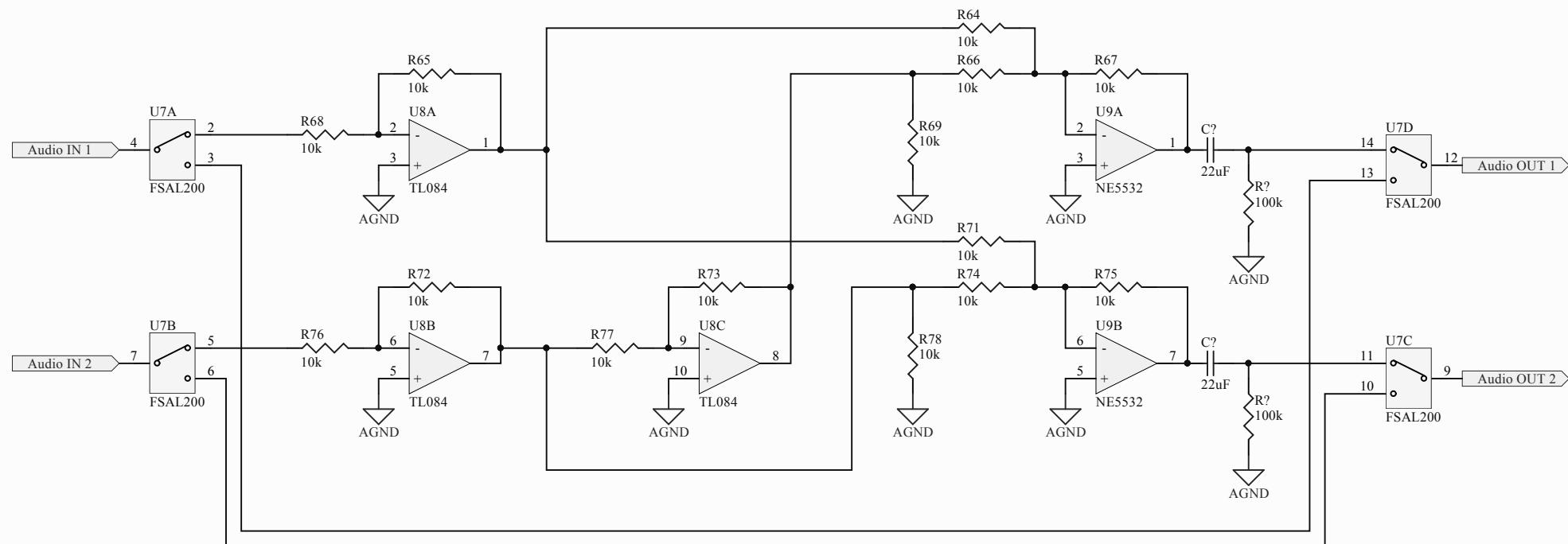
C



D

Title		
Size	Number	Revision
Date:	3/27/2018	Sheet of
File:	C:\Users\...\PF2_AudioInput.SchDoc	Drawn By:

A



B

C

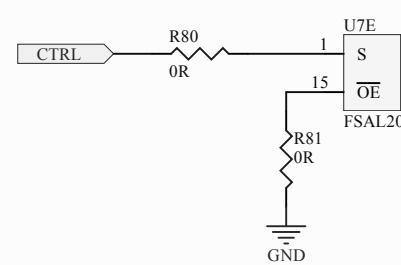
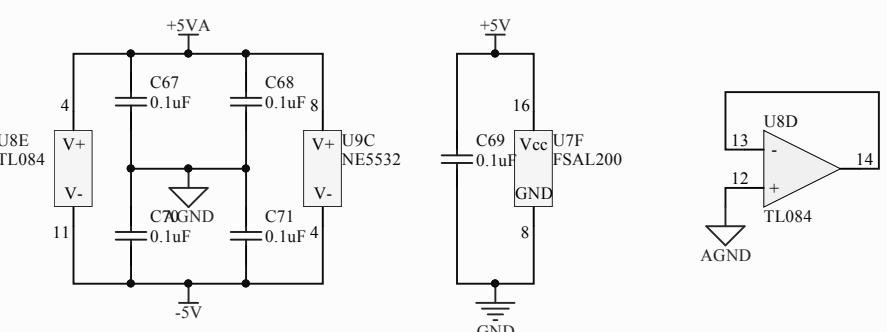
D

A

B

C

D



Title

Size
A

Number

Revision

Date: 3/27/2018

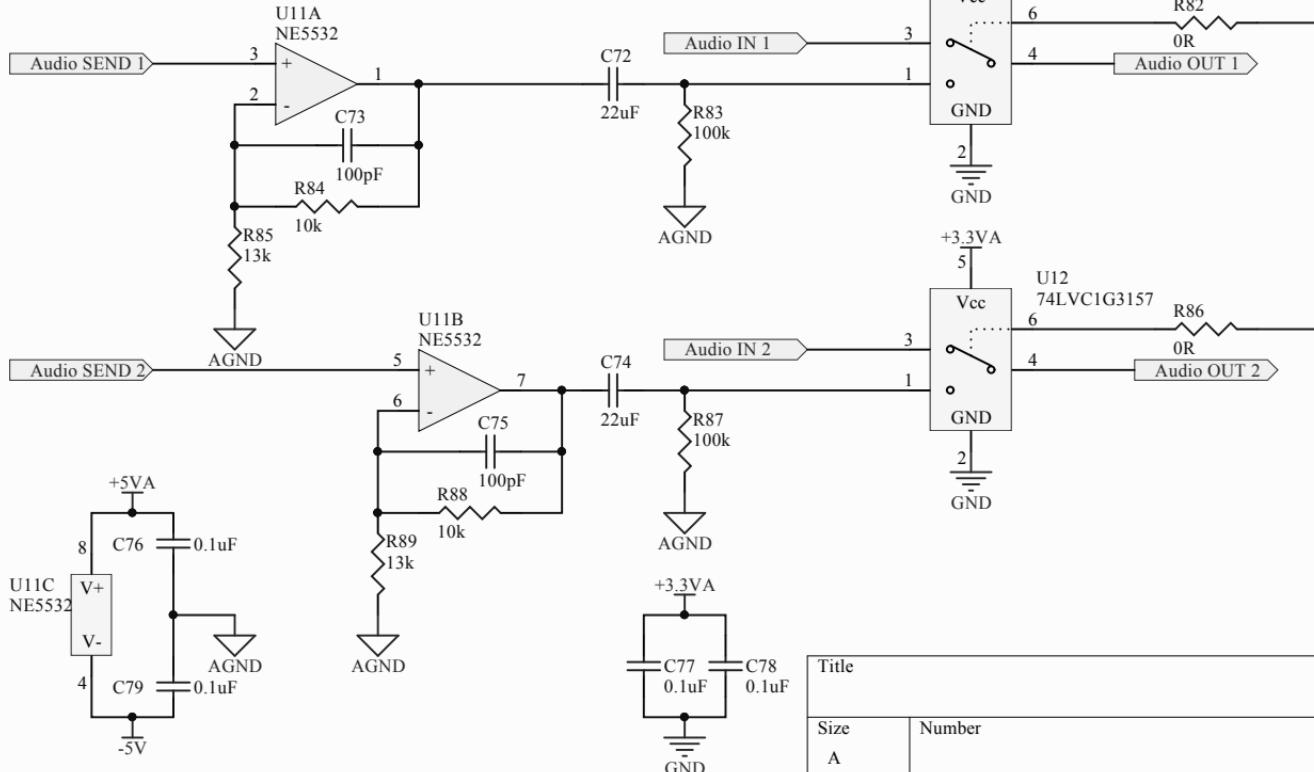
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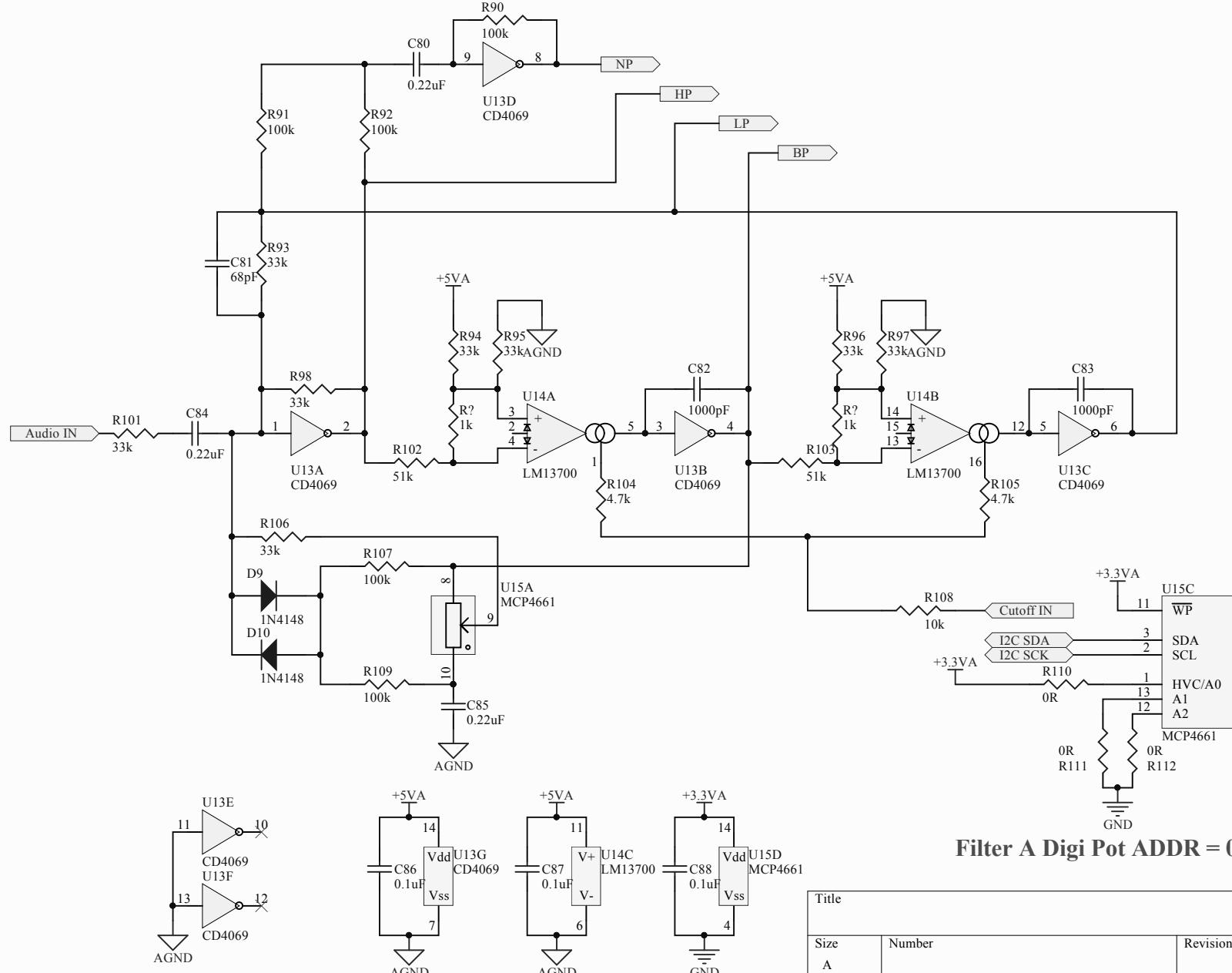
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Drawn By:

Gain = 1.75

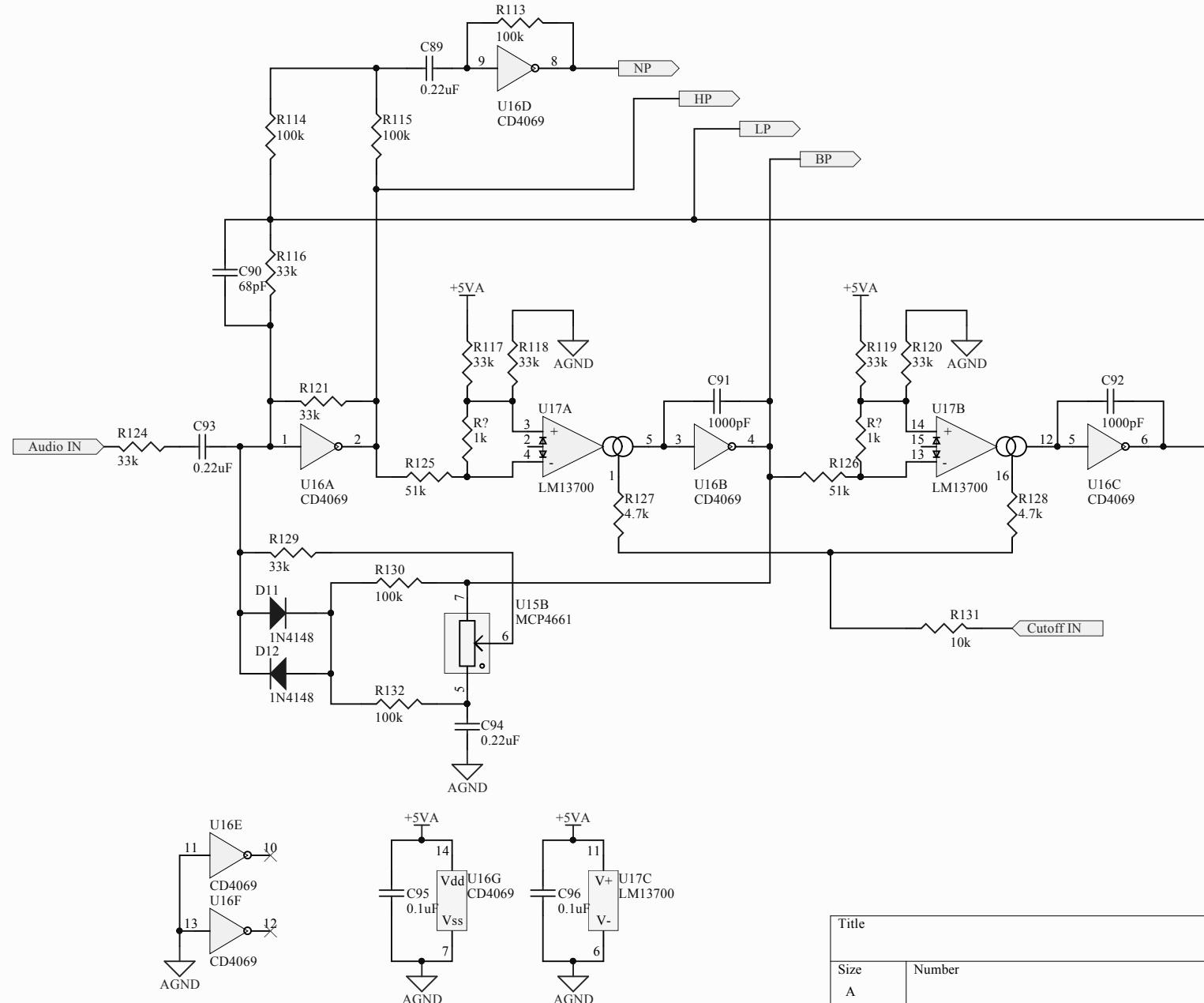
$$2V_{rms} = 2.82 \text{ Vp} * 1.75 = 4.94 \text{ Vp}$$



**Filter A Digi Pot ADDR = 001**

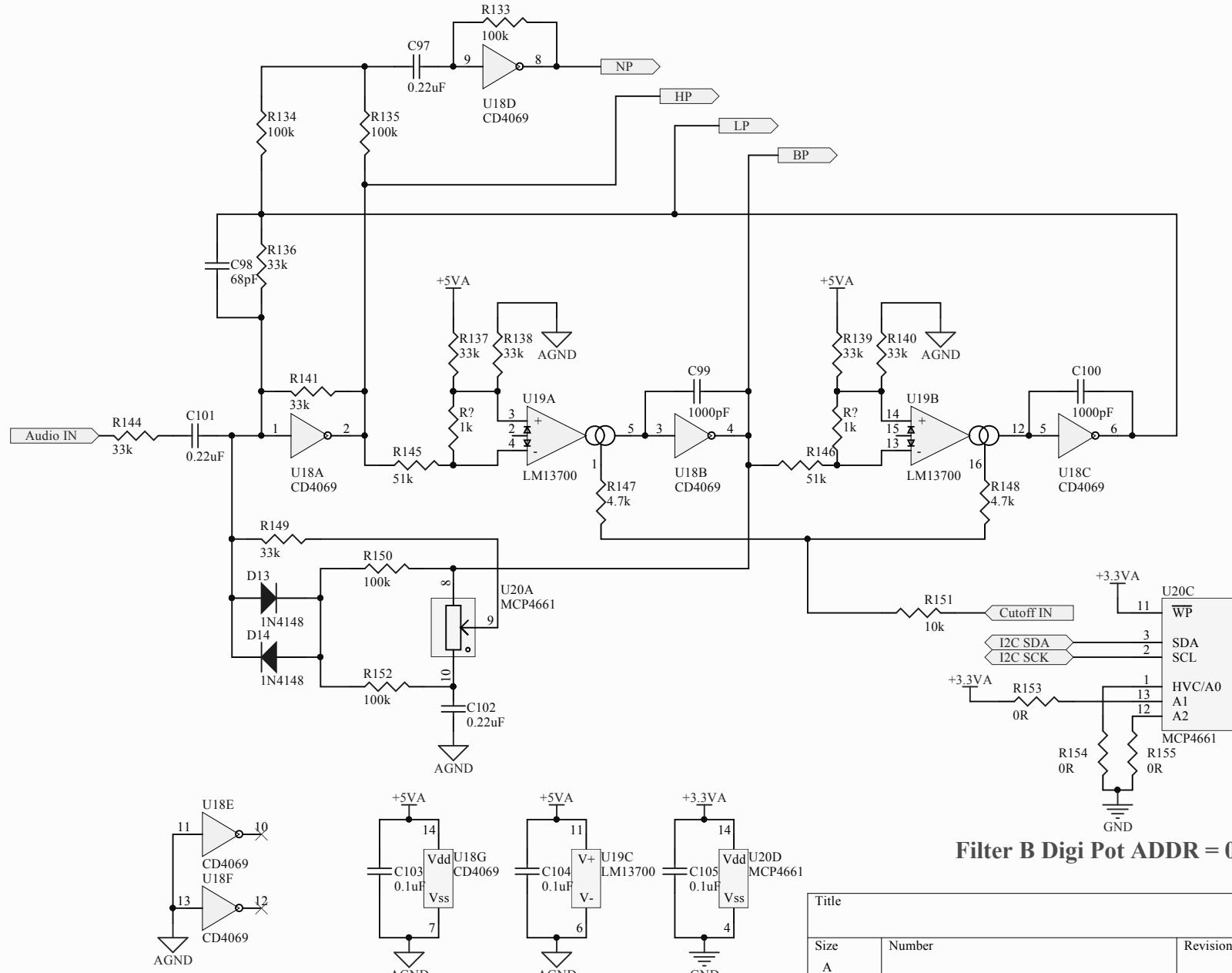
Title

Size	Number	Revision
A		
Date: 3/27/2018	Sheet of	
File: C:\Users\...\PF5a Filter1A.SchDoc		Drawn By:



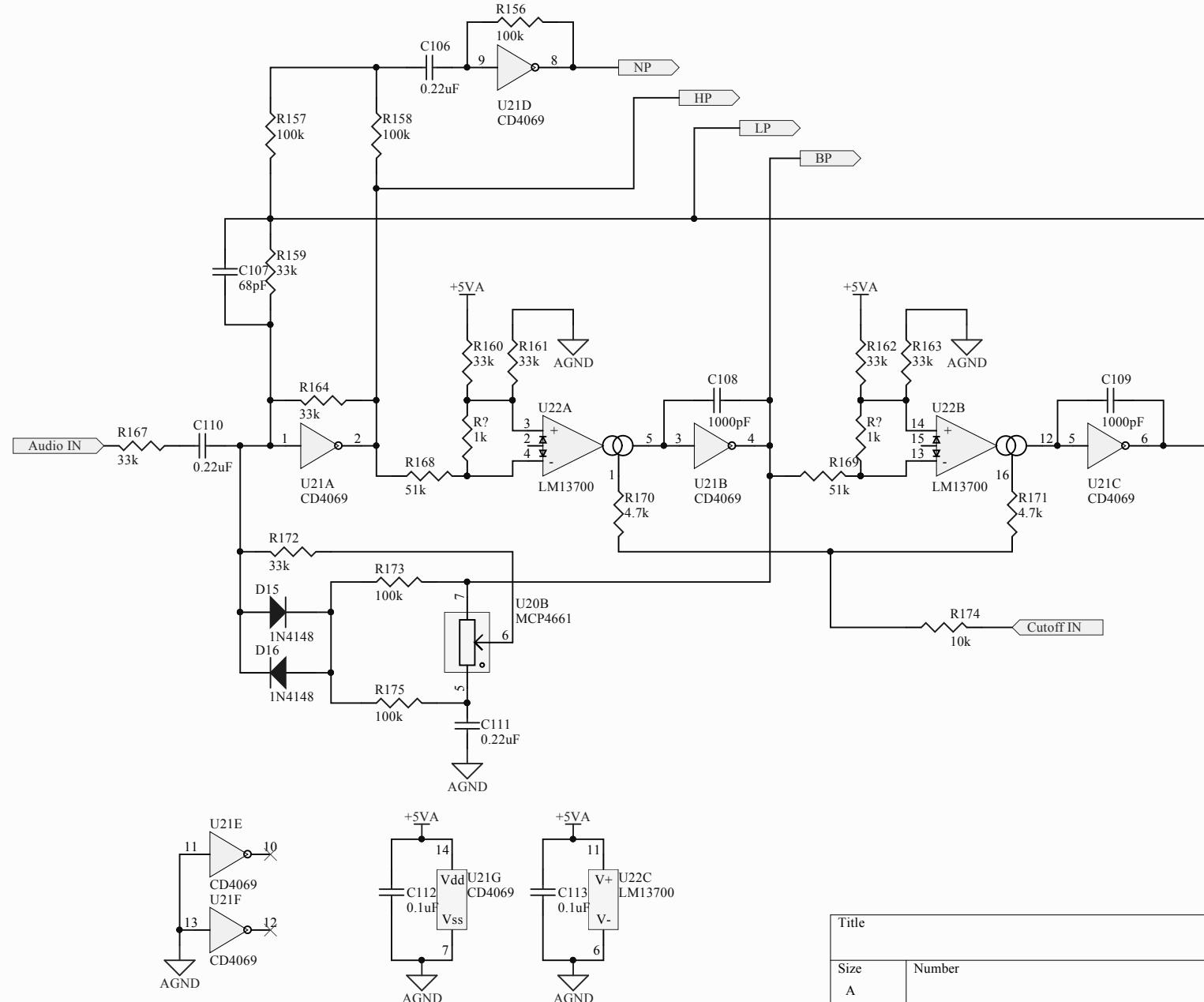
Title

Size	Number	Revision
A		
Date: 3/27/2018	Sheet of	
File: C:\Users\...\PF5b Filter2A.SchDoc		Drawn By:



Title

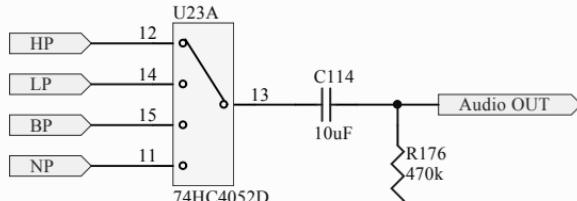
Size	Number	Revision
A		
Date: 3/27/2018	Sheet of	
File: C:\Users\...\PF5c Filter1B.SchDoc		Drawn By:



Title

Size	Number	Revision
A		
Date: 3/27/2018	Sheet of	
File: C:\Users\...\PF5d Filter2B.SchDoc		Drawn By:

A

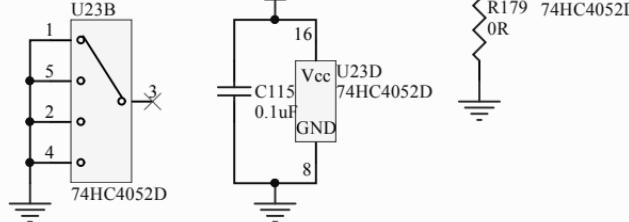


B



U23C

74HC4052D



C

D

Title

Size

A

Number

Revision

Date:

3/27/2018

Sheet of

File:

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

Drawn By:

A

B

C

D

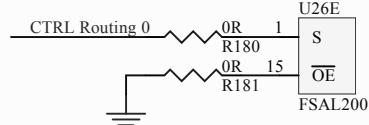
	1A	2A	1B	2B	Out1	Out2
Stereo	In1	In2	1A	2A	1B	2B
Dual Mono	//	1A	In2	1B	2A	//
Single Mono	//	//	//	//	1A	1B

Audio IN 2 → From Audio IN 2

Audio IN 1 → To 1A

From Audio IN 2 2 → U26A
From 1A → 3 → To 2AFrom 1A → 5 → U26B
From Audio IN 2 6 → 7 → To 1BFrom 2A → 11 → U26C
From 1B → 10 → 9 → To 2B

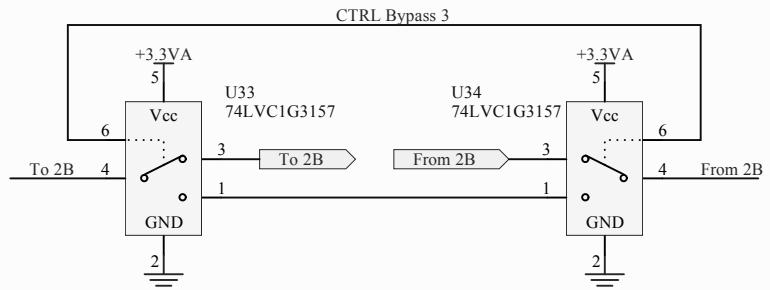
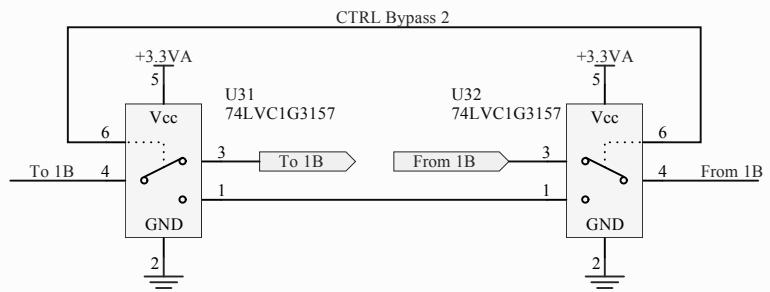
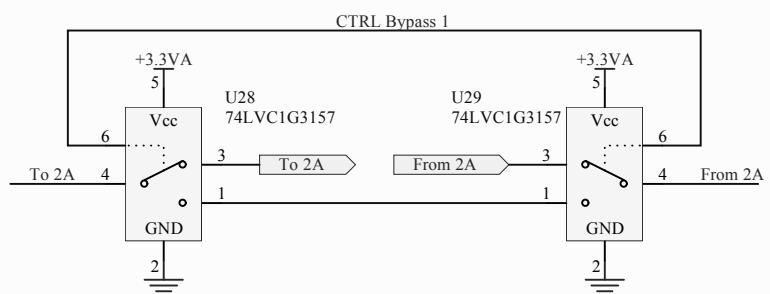
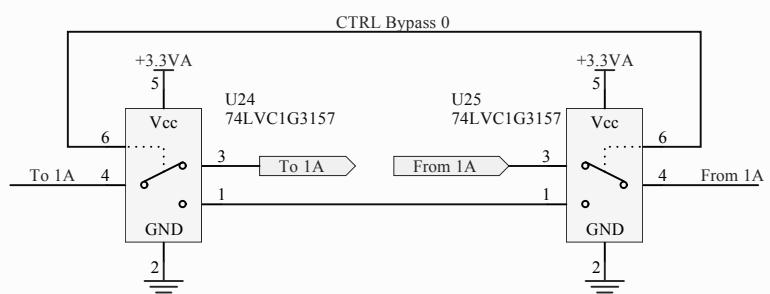
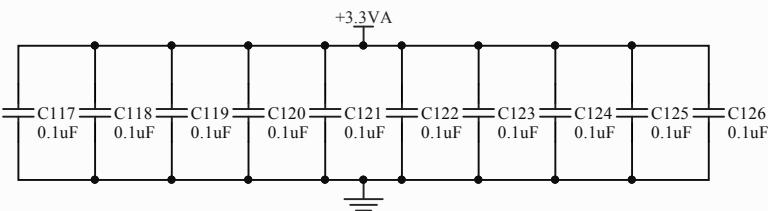
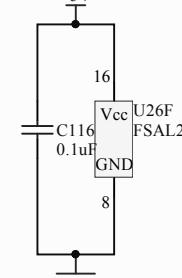
CTRL Routing [0..1] → CTRL Routing [0..1]



FILTER ROUTING

FILTER BYPASS

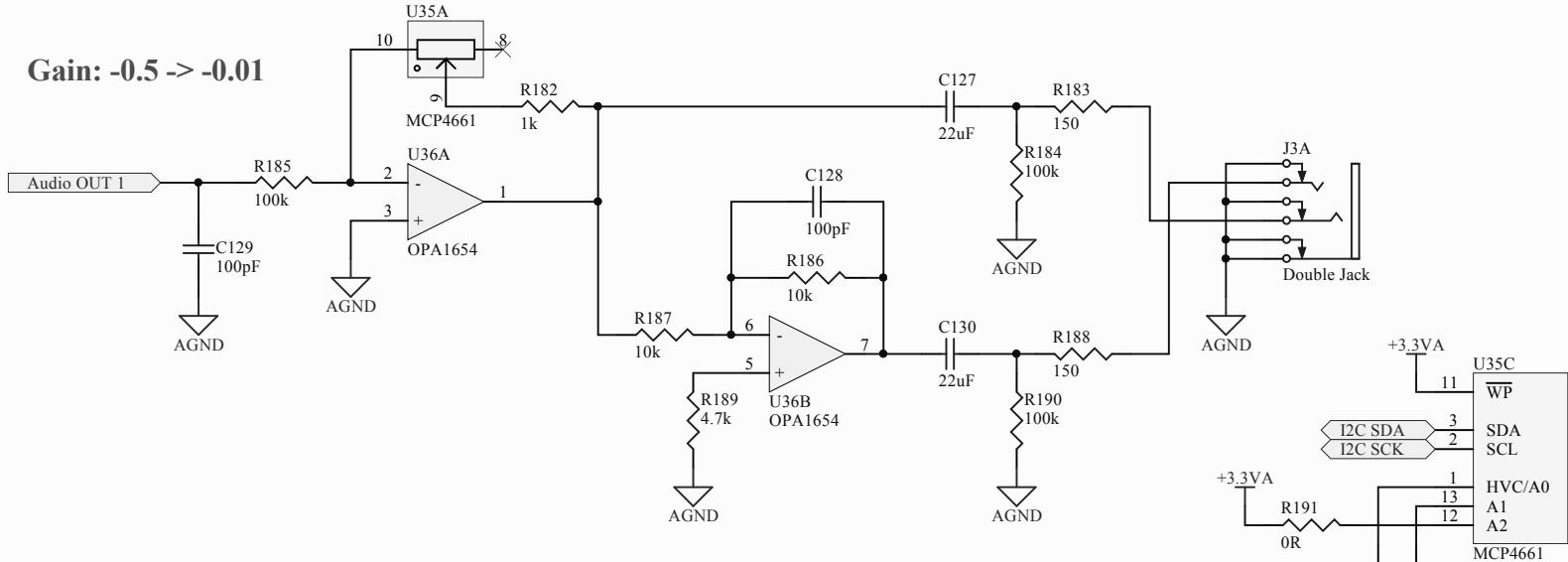
CTRL Bypass [0..3] → CTRL Bypass [0..3]



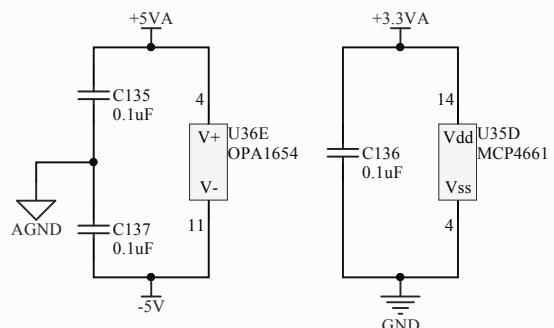
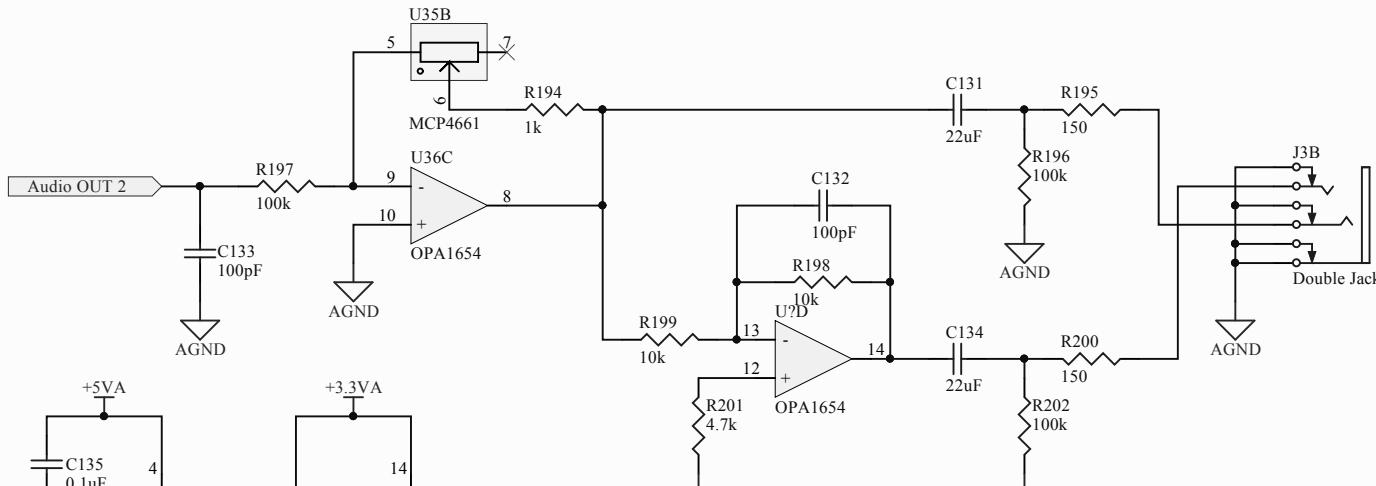
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Size
ANumber
Sheet of
RevisionDate: 3/27/2018
File: C:\Users\...\PF7_FilterRoutingBypass.SchDoc
Drawn By:

Gain: -0.5 > -0.01



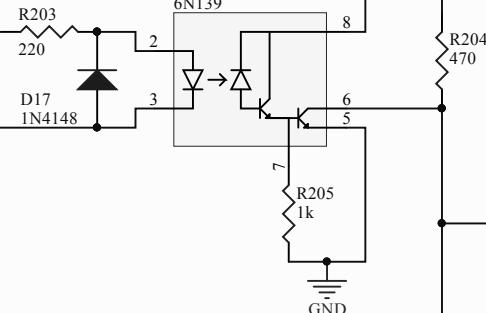
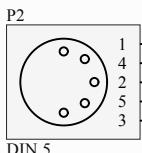
Output Digi Pot ADDR = 100



Title

Size	Number	Revision
A		
Date:	3/27/2018	Sheet of
File:	C:\Users\...\PF8_AudioOutput.SchDoc	Drawn By:

A

MIDI IN

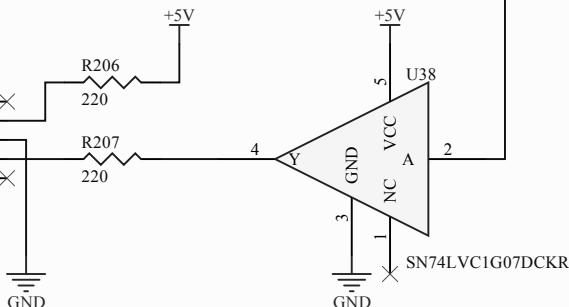
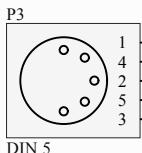
B

B

MIDI

C

C

**MIDI THRU**

Title

Size	Number	Revision
A		

Date: 3/27/2018

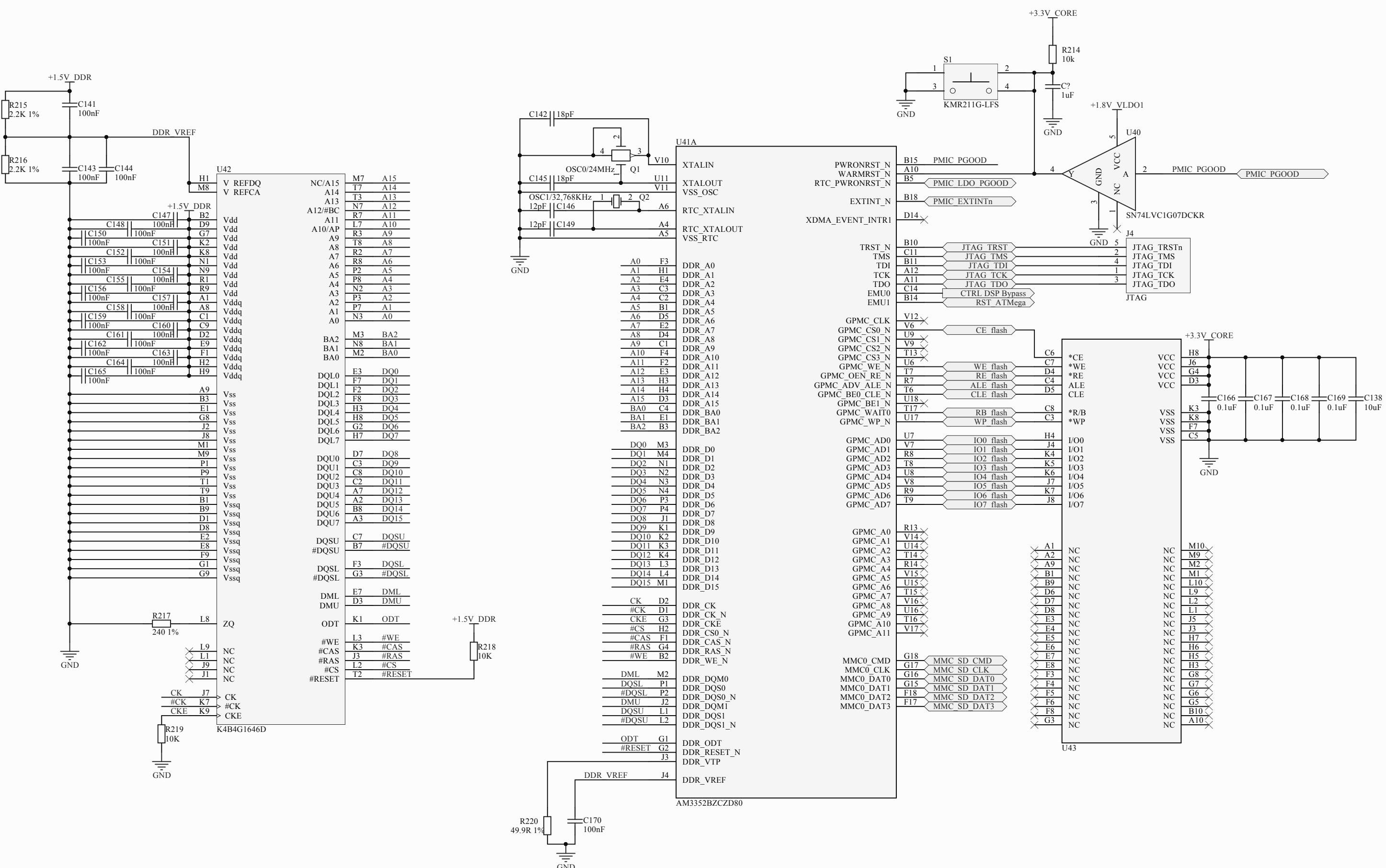
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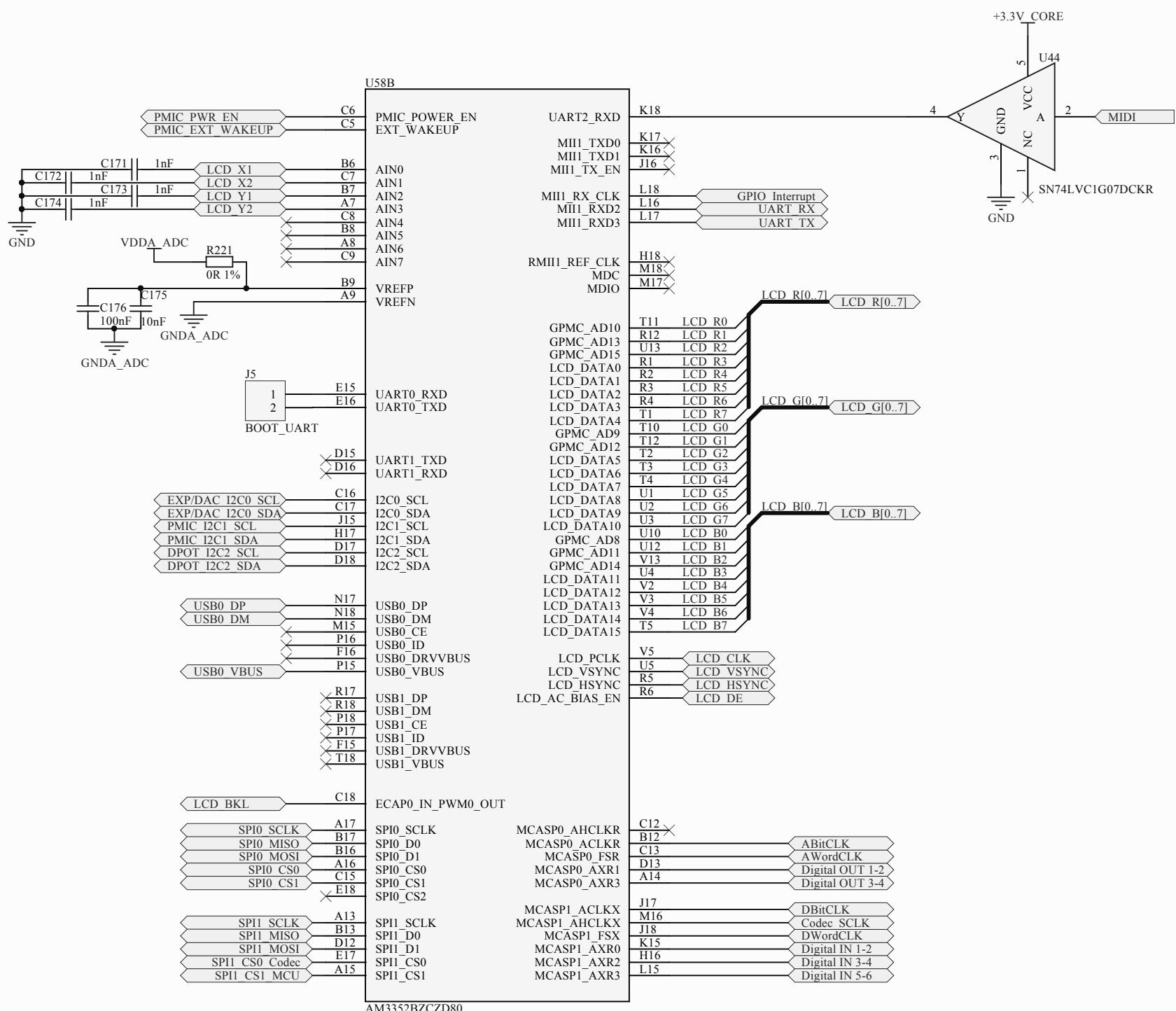
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Drawn By:

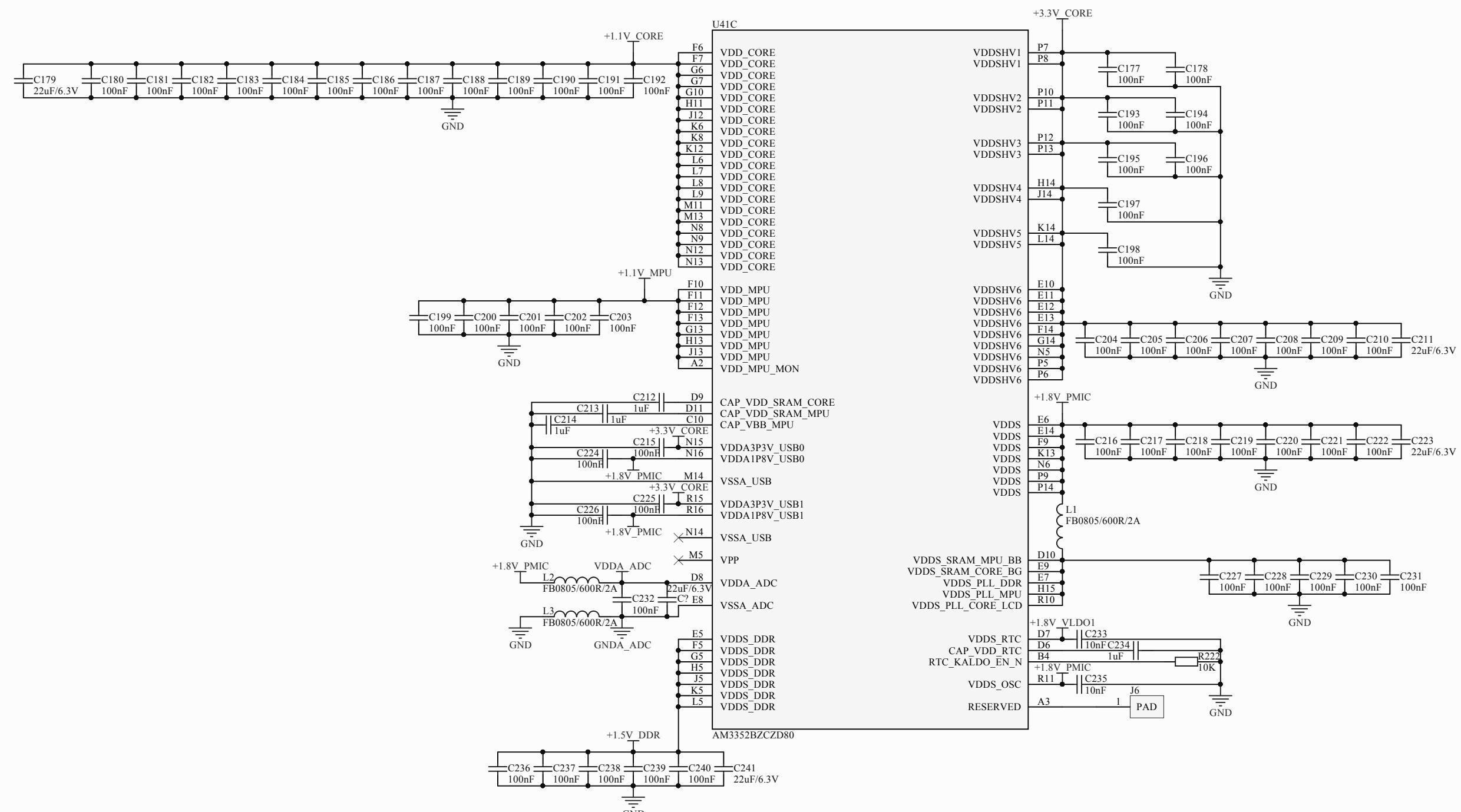
D

D





Title		
Size	Number	Revision
A3		
Date: 3/27/2018	Sheet of	
File: C:\Users\...\PP2.ptB.SchDoc		Drawn By:



Title		
Size	Number	Revision
A3		
Date:	3/27/2018	Sheet of
File:	C:\Users\...\RP2\rtC_Alim_SakDag...	Drawn By

A

A

B

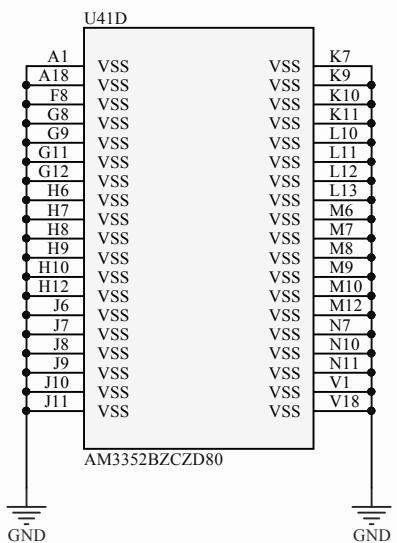
B

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C

D

D

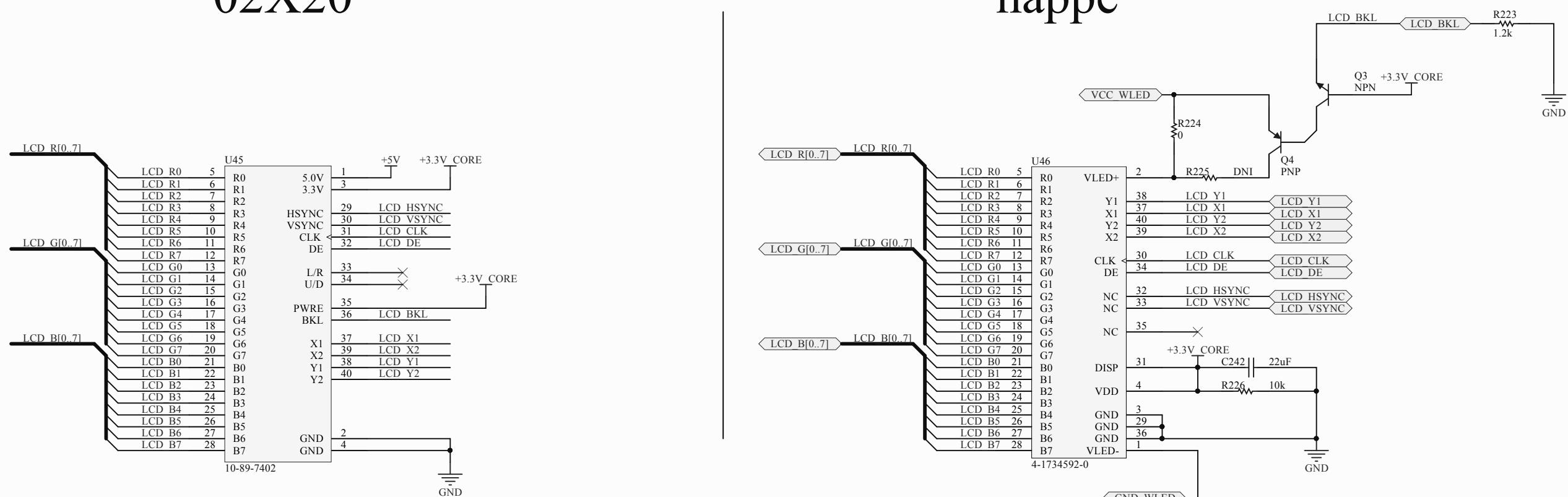


Title

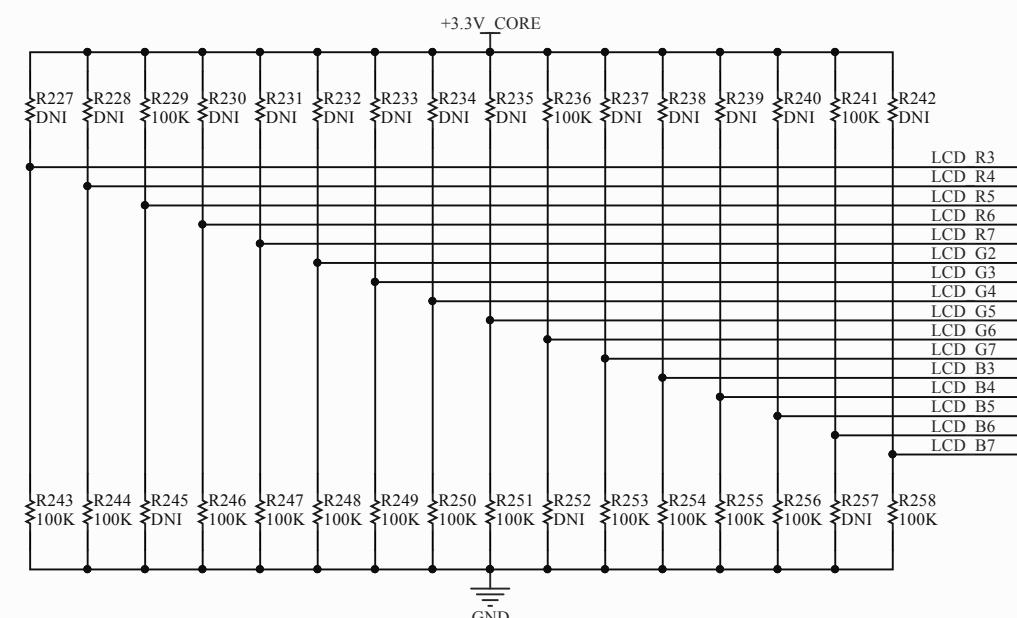
Size	Number	Revision
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Date:	3/27/2018	Sheet of
File:	C:\Users\...\PP4.pD	Drawn By:

02X20

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0010 0000 0100 0010

Title		
Size	Number	Revision
A3		
Date: 3/27/2018	Sheet of	
File: C:\Users\.\PP6_LCD.SchDoc		Drawn By:

1

2

3

4

5

6

A

A

B

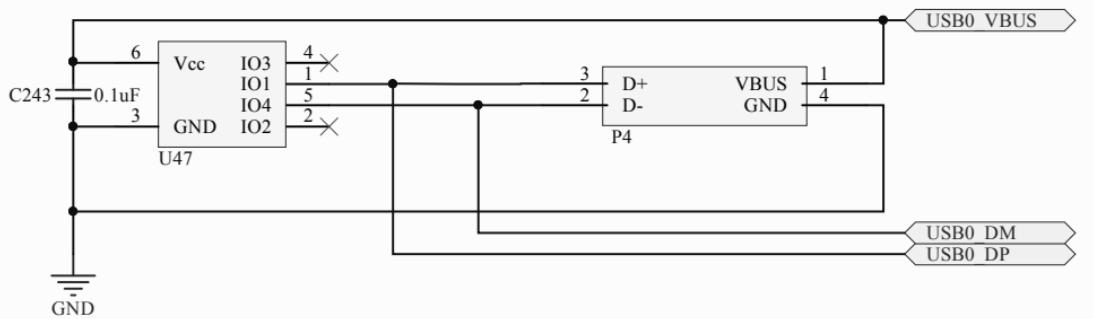
B

C

C

D

D



1

2

3

4

5

6

A

A

B

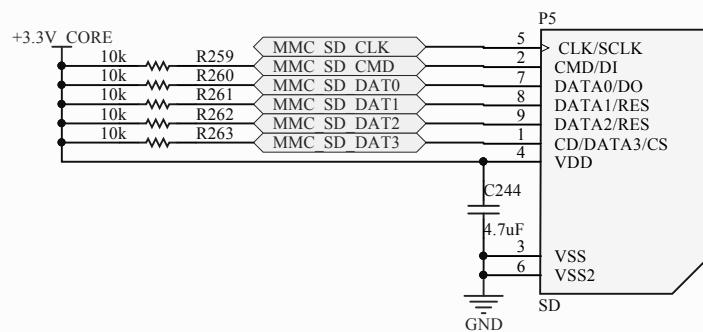
B

C

C

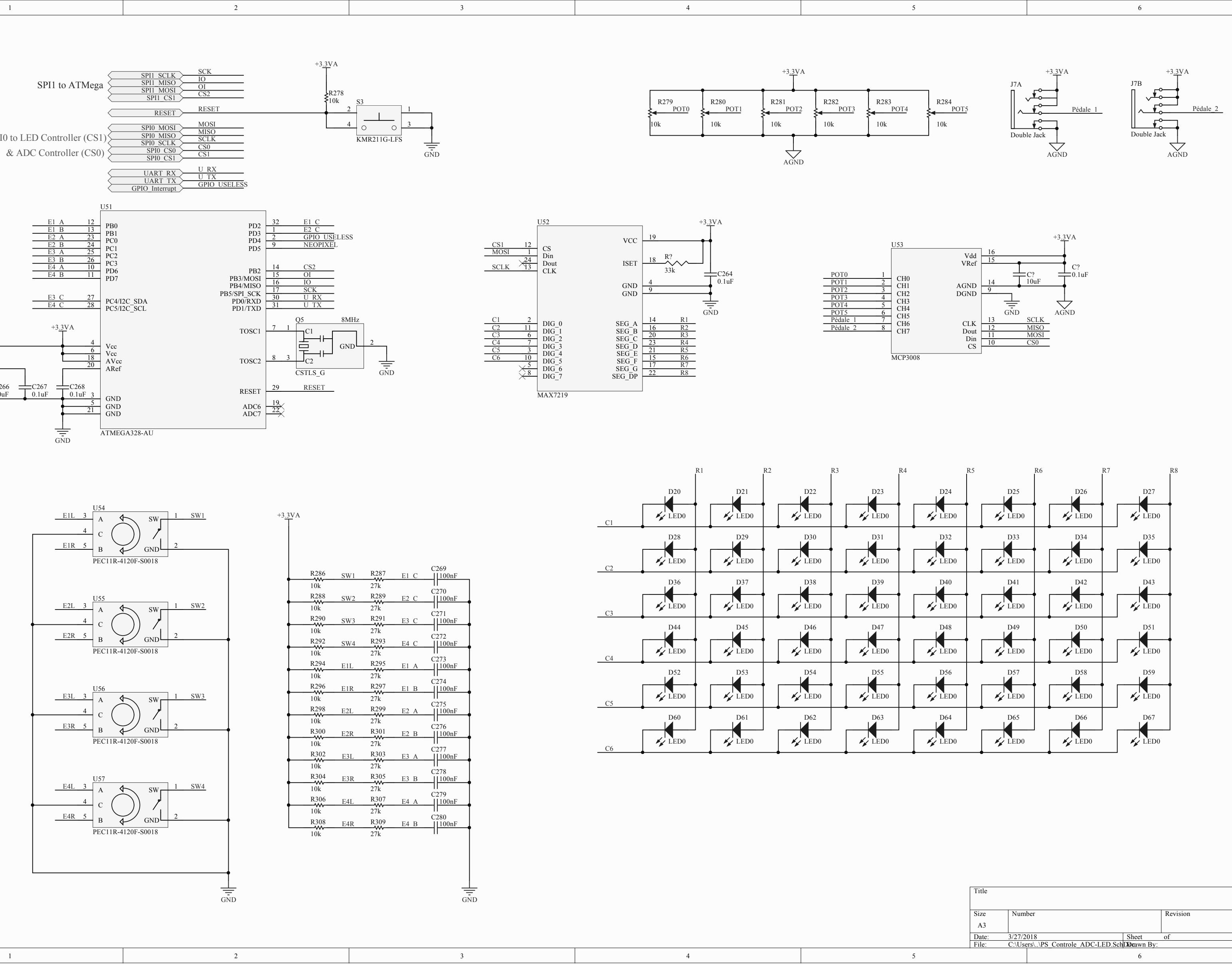
D

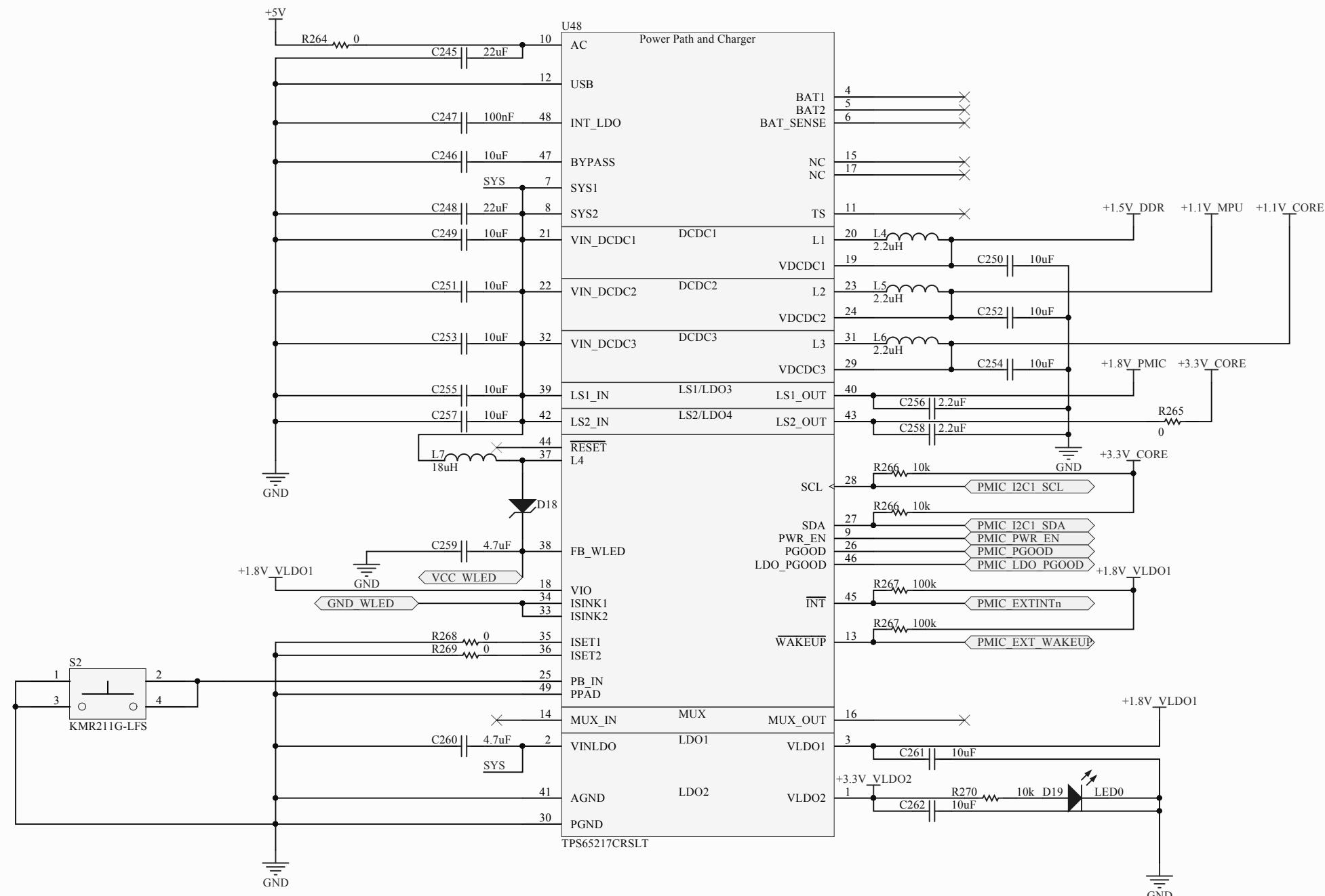
D



Title

Size	Number	Revision
A		
Date:	3/27/2018	Sheet of
File:	C:\Users\...\PP8 MMC.SchDoc	Drawn By:





Title		
Size	Number	Revision
A3		
Date:	3/27/2018	Sheet of
File:	C:\Users\...\PX_PMIC_SchDoc.slddrw	Drawn By: