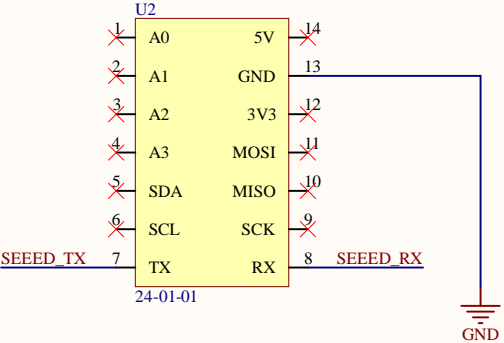
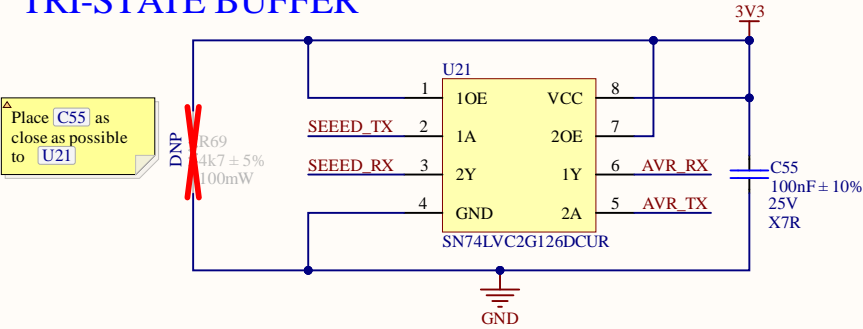


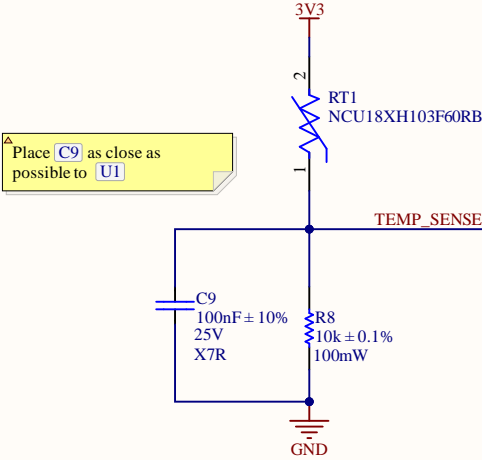
SEEDUINO



TRI-STATE BUFFER



AMBIENT TEMP



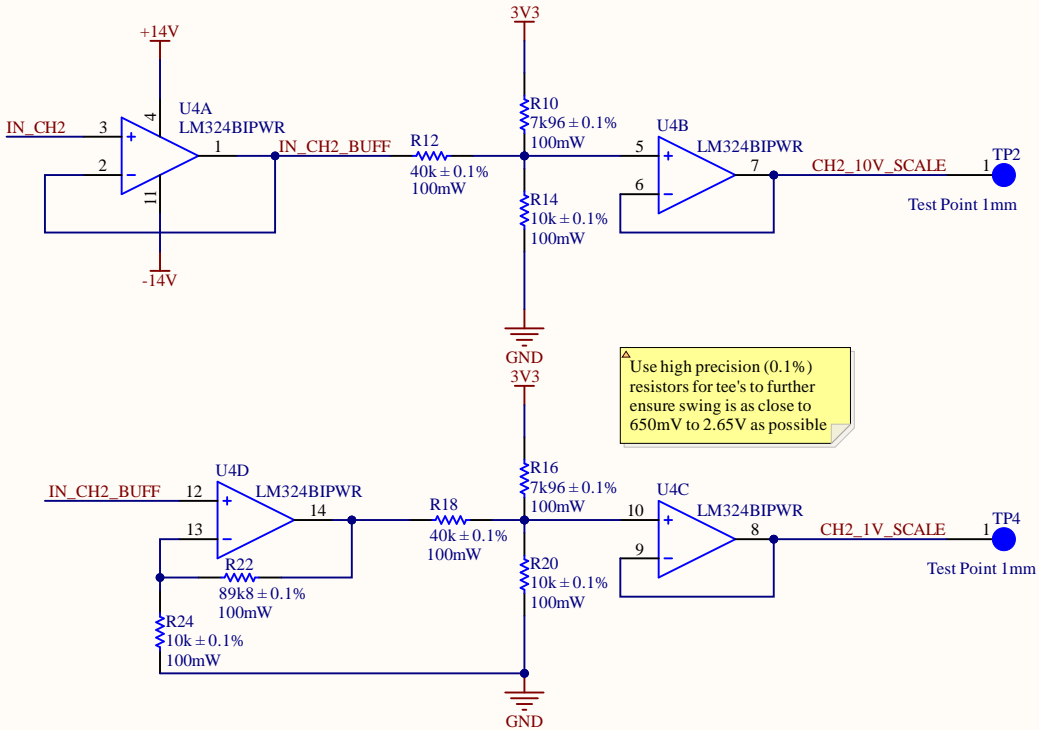
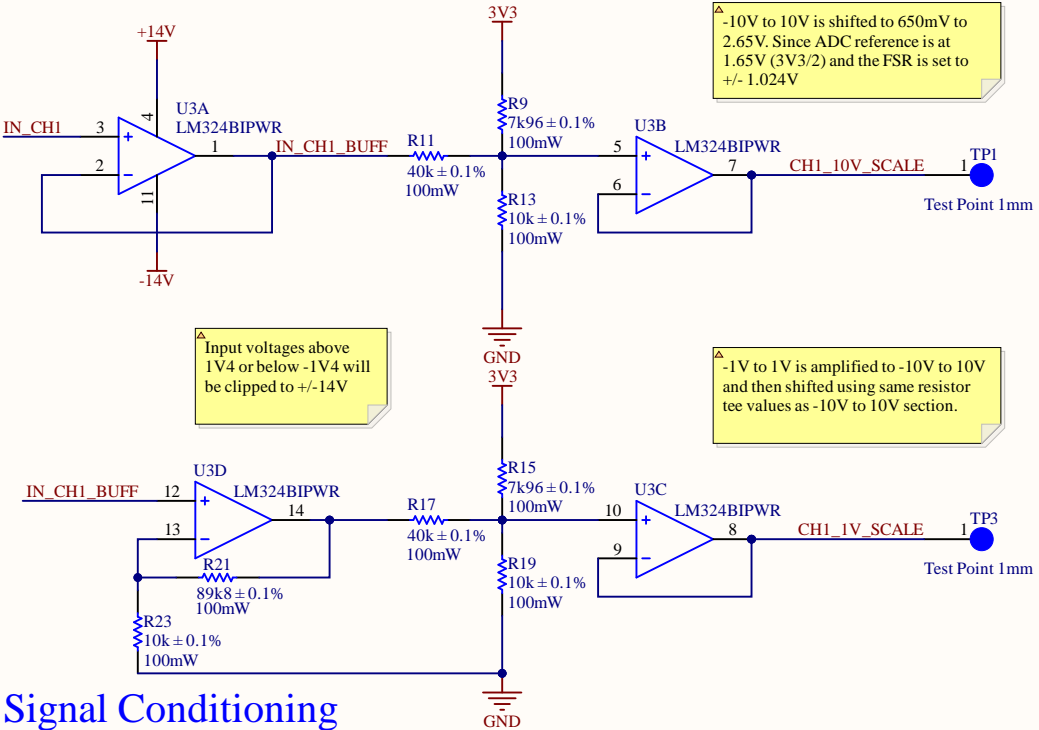
Title		
Seeeduino and Temp		
Size	Number	Revision
A4	2	1
Date:	5/18/2025	Sheet 2 of 9
File:	C:\Users\...\Seeeduino and Temp.SchDoc	Drawn By: Rhett Humphreys

A

B

A

B

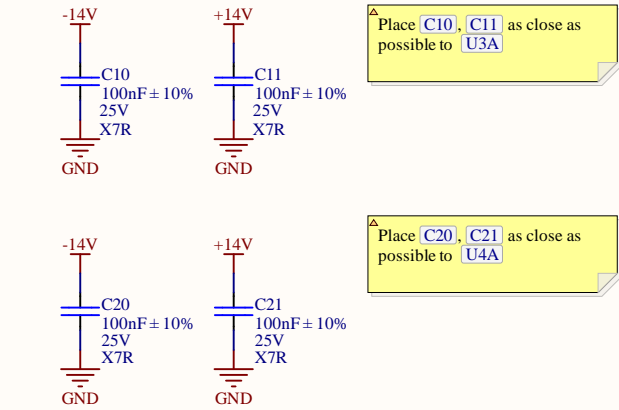


Signal Conditioning

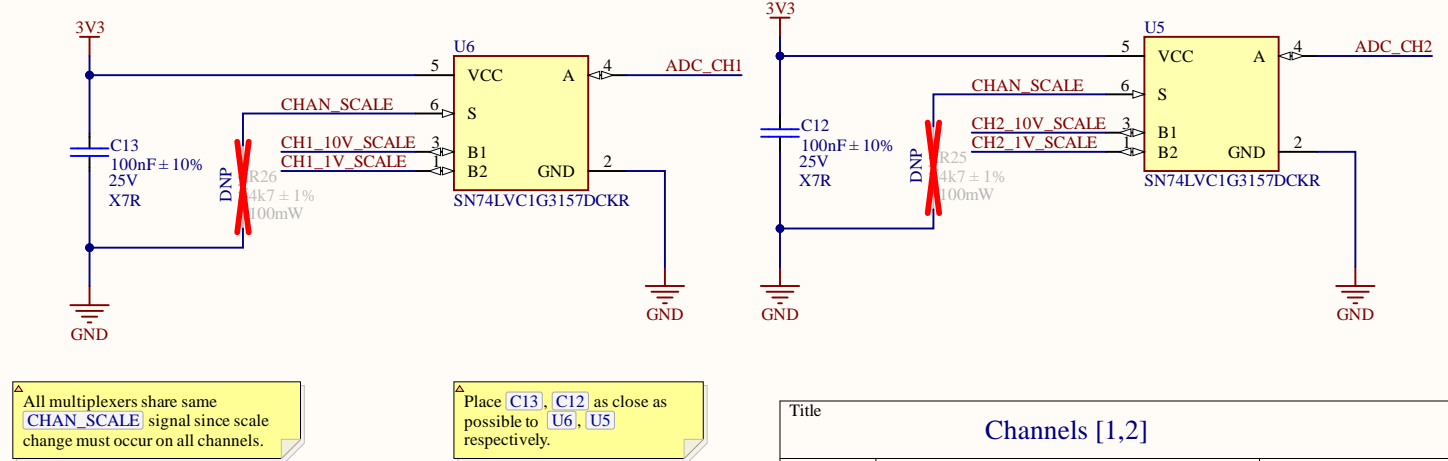
OP-AMP Decoupling

C

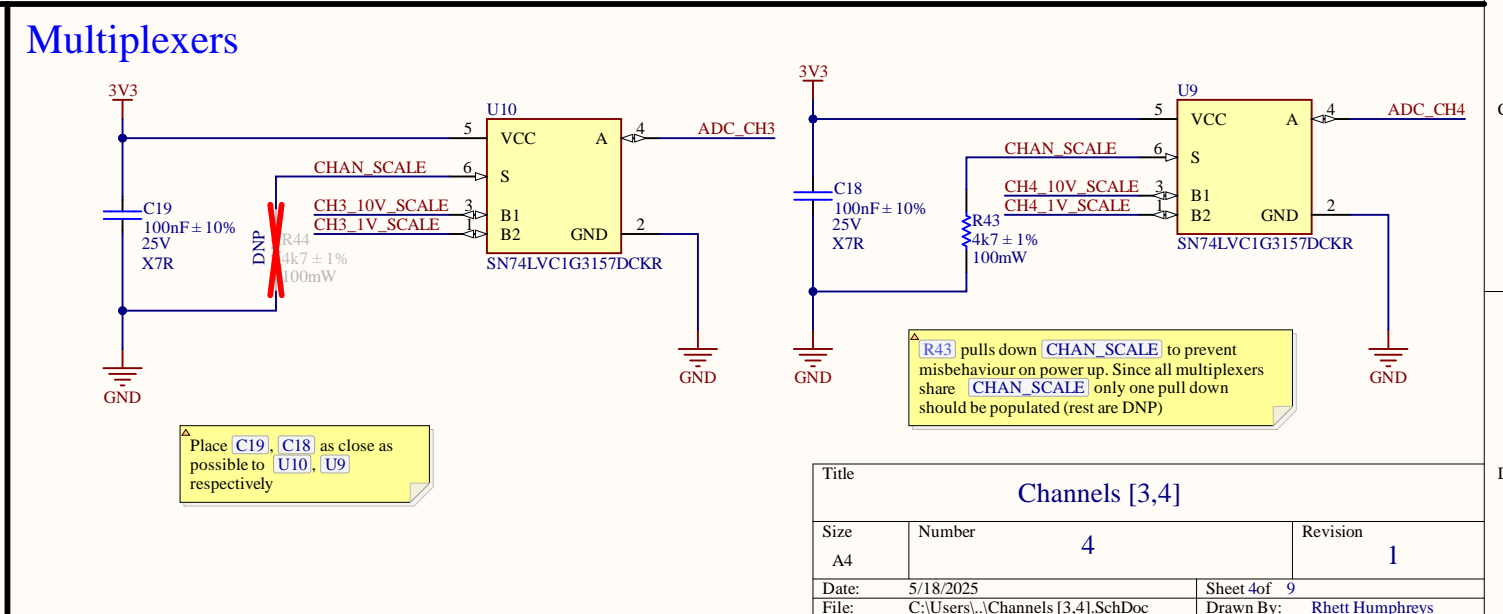
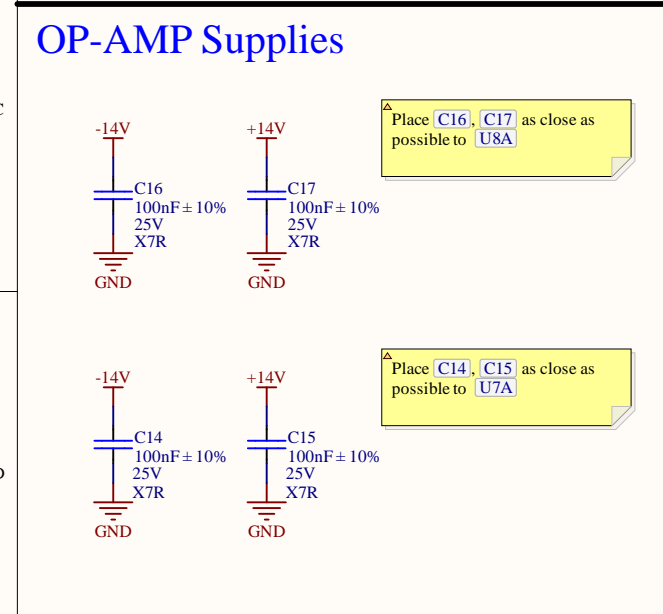
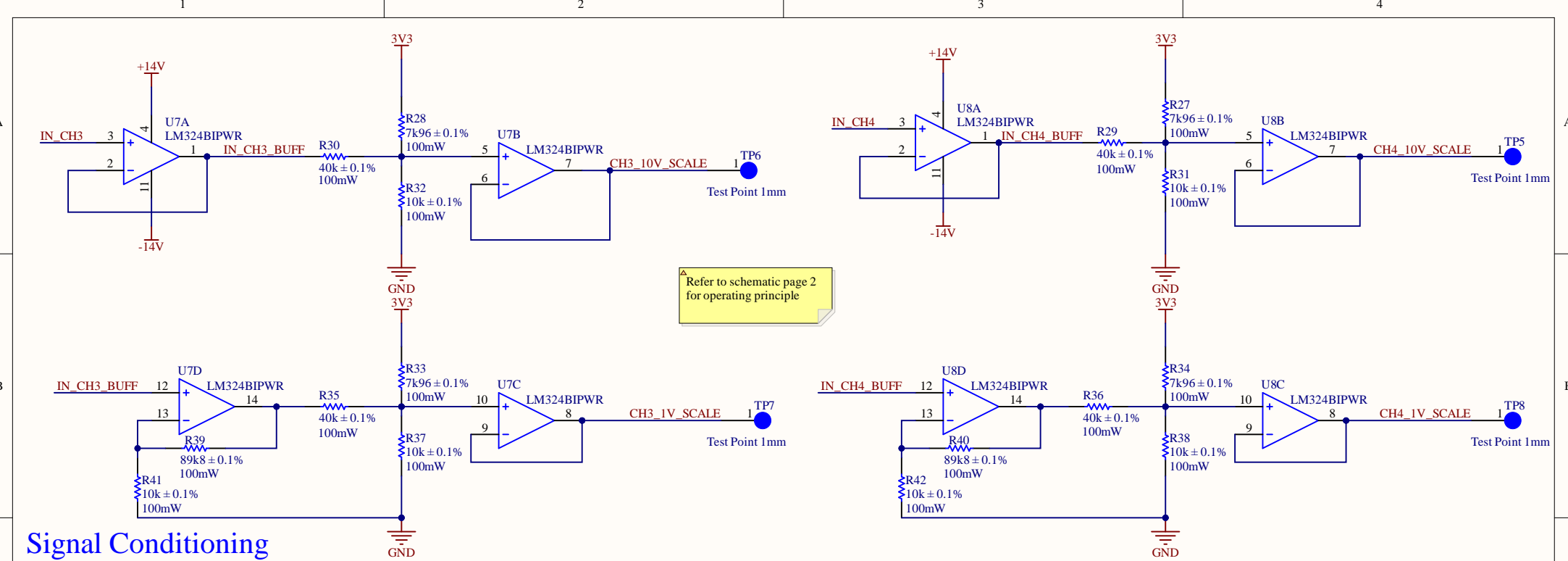
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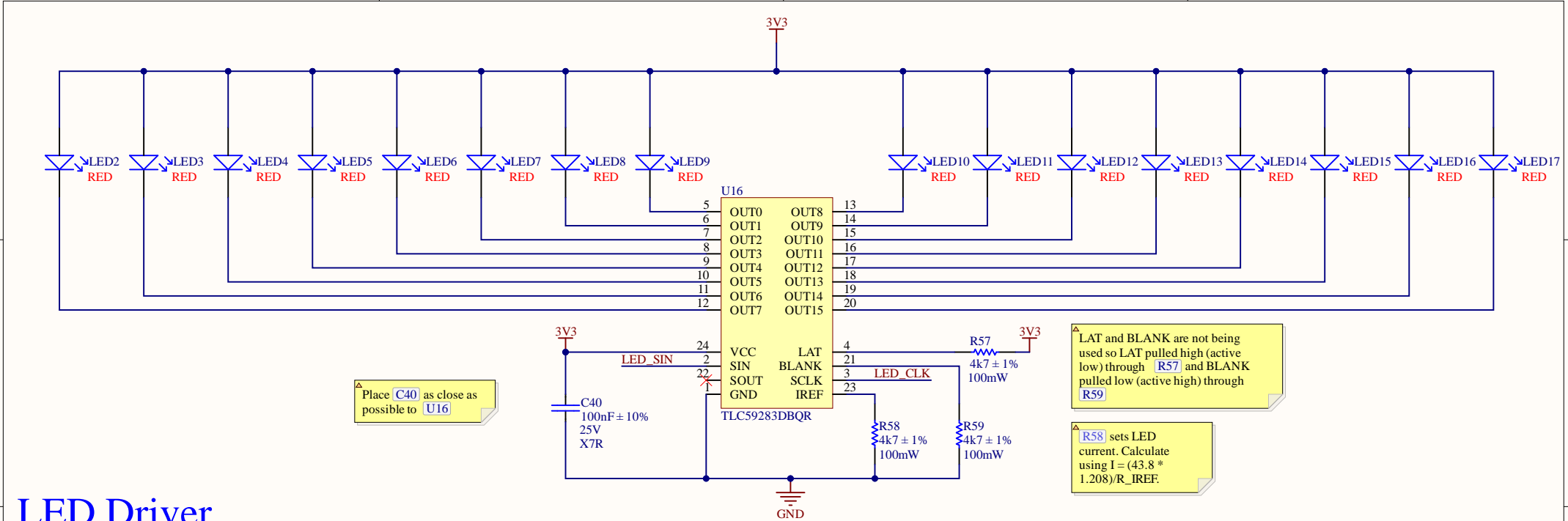


Multiplexers



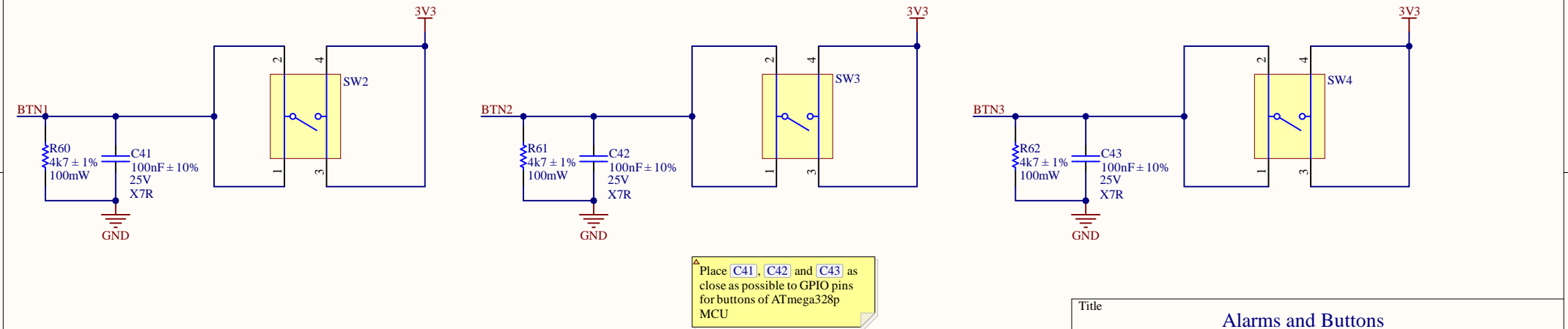
Title		
Channels [1,2]		
Size	Number	Revision
A4	3	1
Date:	5/18/2025	Sheet 3 of 9
File:	C:\Users\...\Channels [1,2].SchDoc	Drawn By: Rhett Humphreys



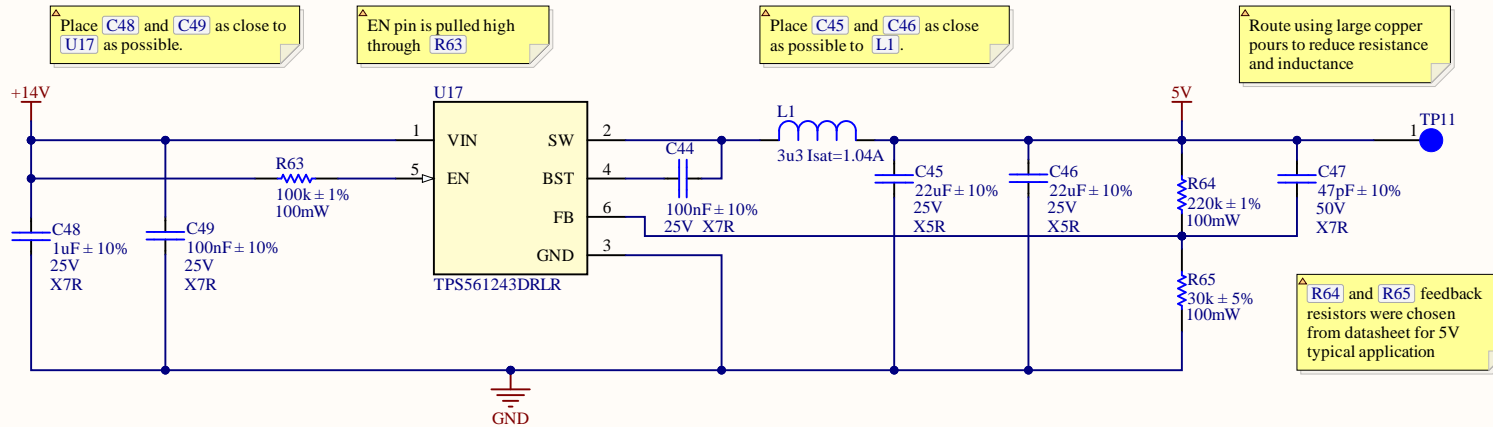


LED Driver

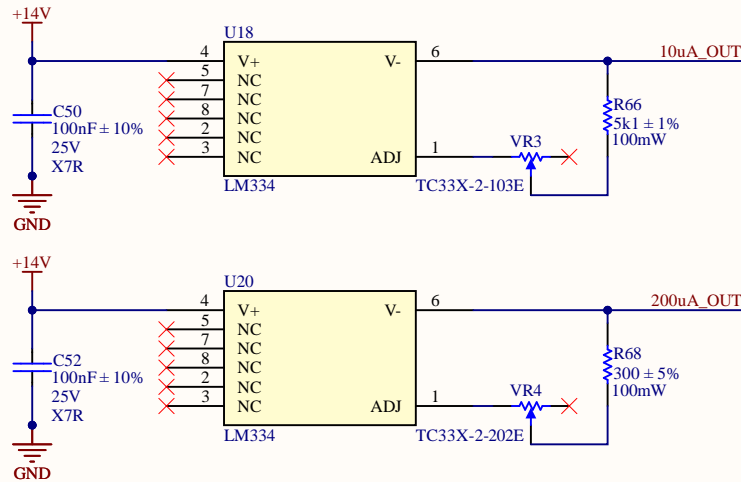
Buttons



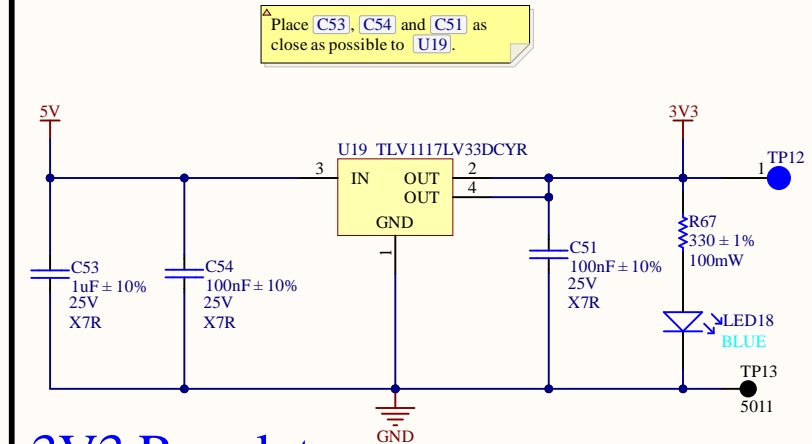
Title		
Alarms and Buttons		
Size	Number	Revision
A4	6	1
Date:	5/18/2025	Sheet 6 of 9
File:	C:\Users\...\Alarms and Buttons.SchDoc	Drawn By: Rhett Humphreys



5V Regulator



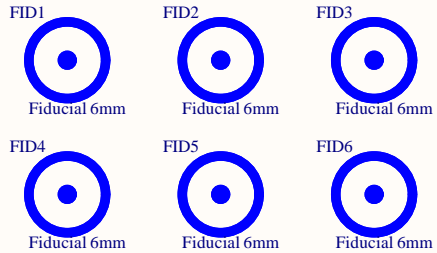
Current Sources



3V3 Regulator

Title		
Power		
Size	Number	Revision
A4	7	1
Date:	5/18/2025	Sheet 7 of 9
File:	C:\Users\...\Power.SchDoc	Drawn By: Rhett Humphreys

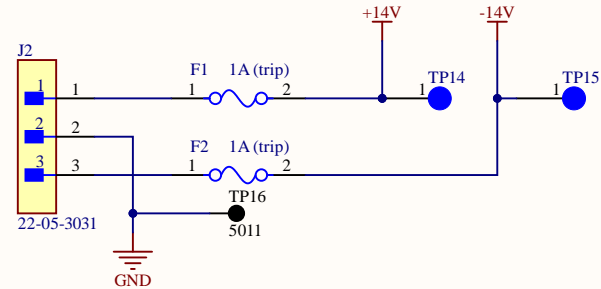
A



Fiducials

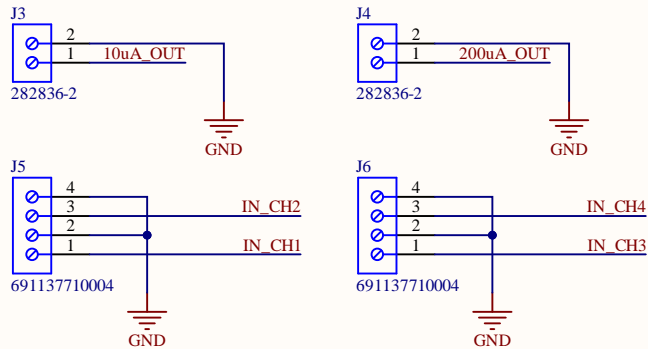


Mounting Holes



Power Connector

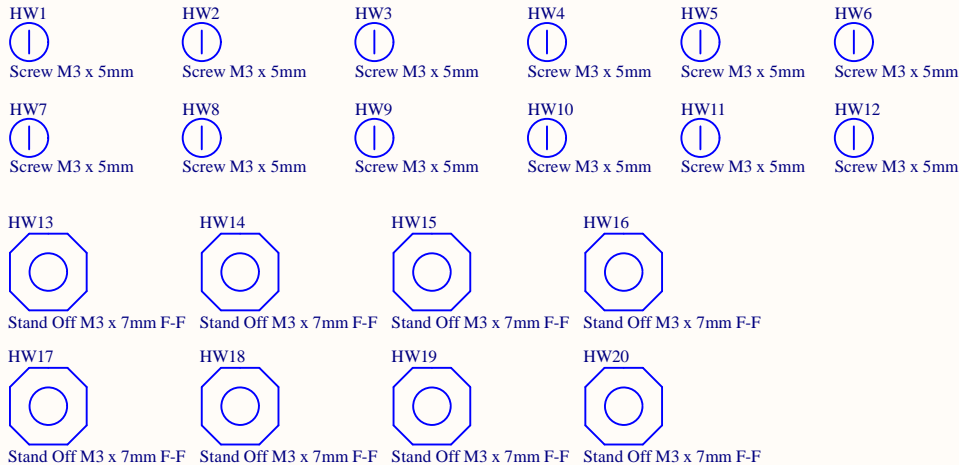
B



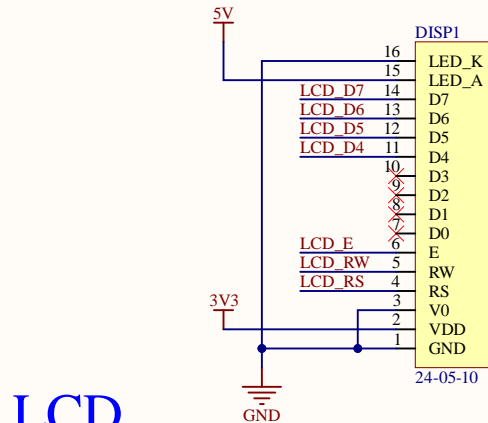
Screw Terminals

Place J3 and J4 relatively close to J5 and J6.

Mounting Hardware



D



LCD

LCD module has on-board decoupling so no extra capacitors needed

LCD Board has current limiting resistor for backlight

Title		
Hardware		
Size	Number	Revision
A4	8	1
Date:	5/18/2025	Sheet 8 of 9
File:	C:\Users\...\Hardware.SchDoc	Drawn By: Rhett Humphreys

Wires

- W1

22-03-03
24AWG, multistrand, 100mm, RED
- W2

22-03-06
24AWG, multistrand, 100mm, GREEN
- W3

22-03-01
24AWG, multistrand, 100mm, BLACK

Connector Housing

J8

0022013037
Molex female housing 2.54mm 3 pos

Crimps

- J7

0008550102
Molex crimp gold 22-30 AWG
- J9

0008550102
Molex crimp gold 22-30 AWG
- J10

0008550102
Molex crimp gold 22-30 AWG

Title			Cables	
Size	Number		Revision	
A4	9		1	
Date:	5/18/2025		Sheet 9 of 9	
File:	C:\Users\...\Cables.SchDoc		Drawn By: Rhett Humphreys	