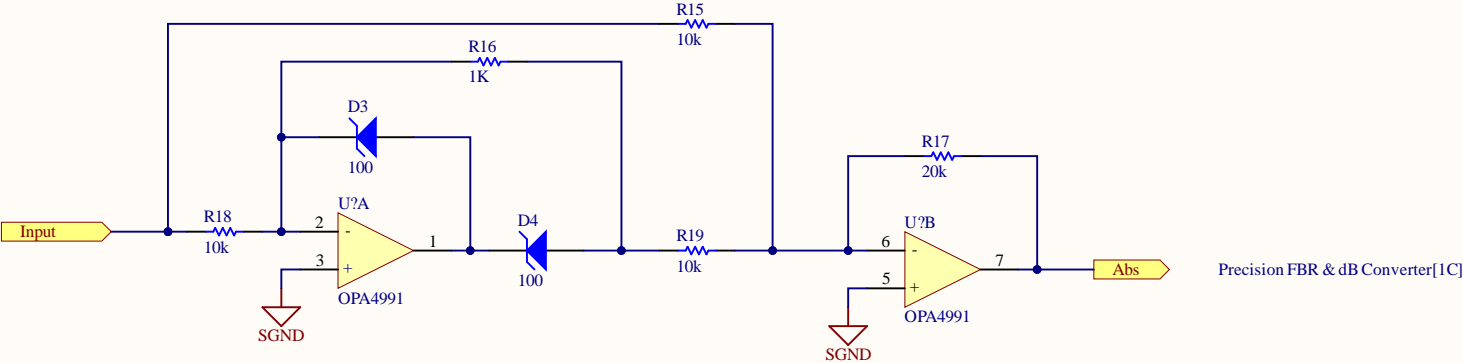


Figure 51. INA1650 Used as a Line Receiver for Differential Audio Signals in a Split-Supply System

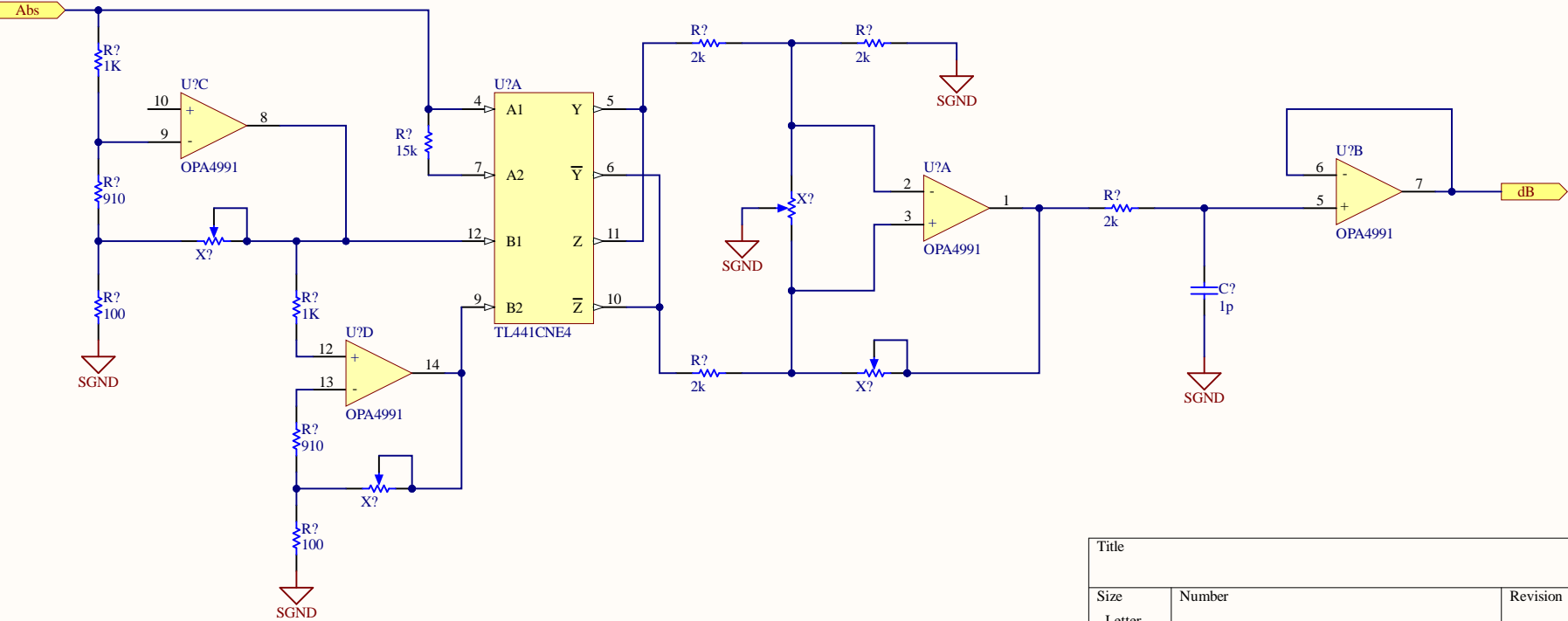
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Letter		
Date:	2/24/2024	Sheet of
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Precision Full Bridge Rectifier



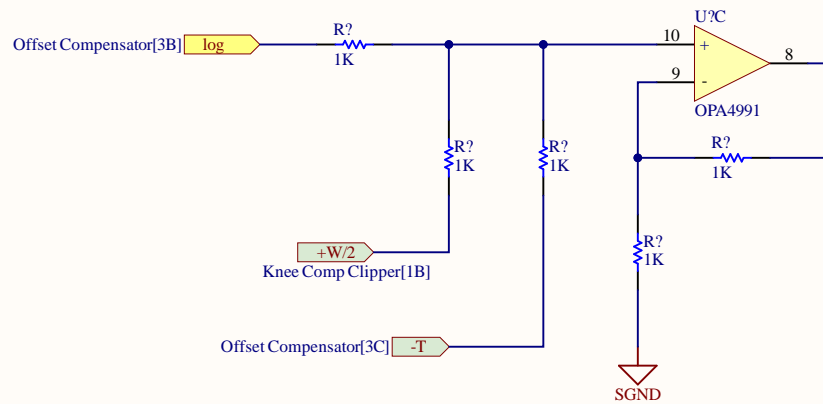
dBu Converter

Precision FBR & dB Converter[3B]

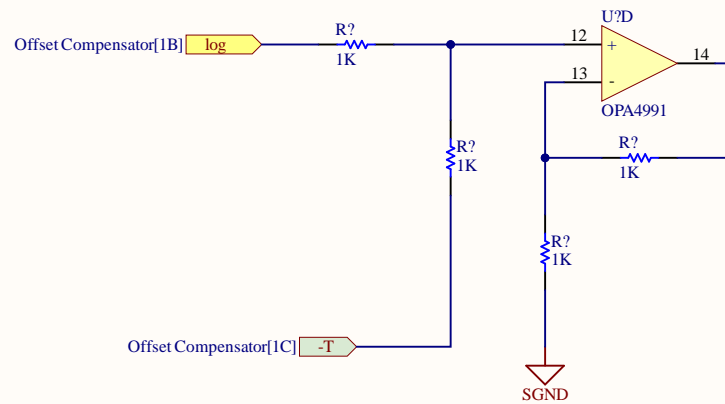


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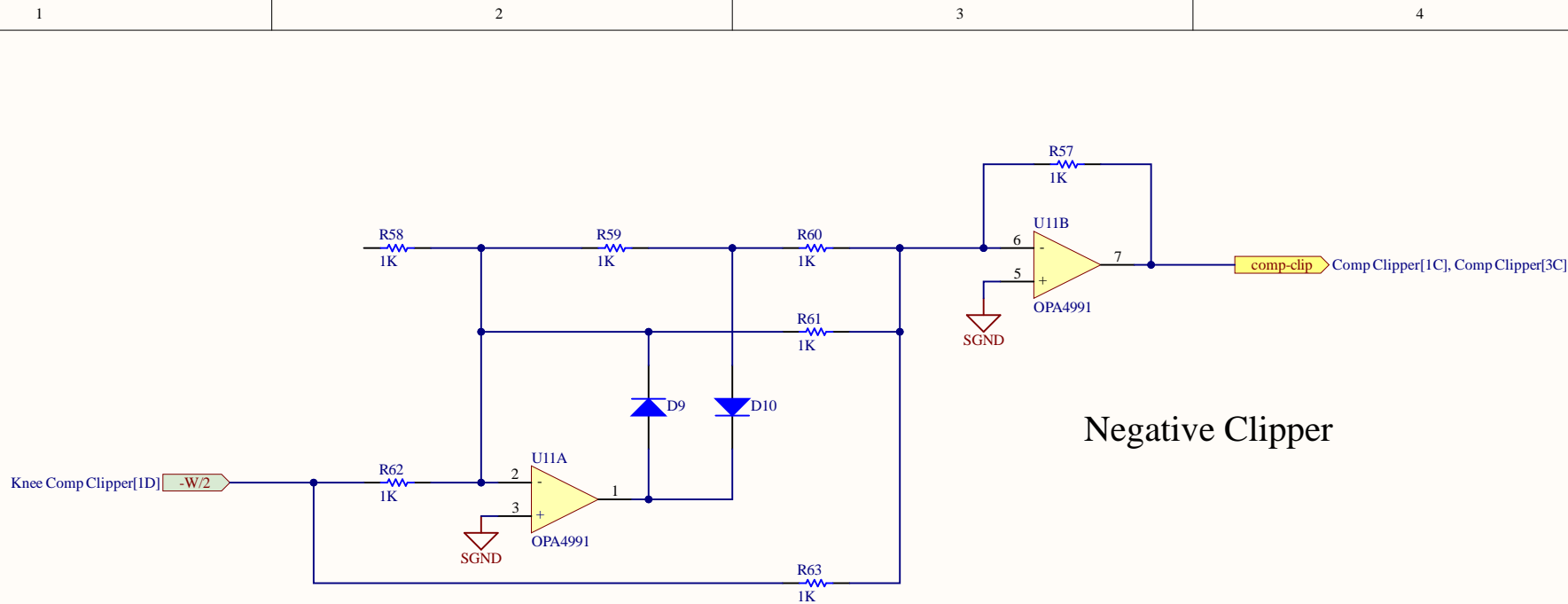
-T+(W/2) Offset



-T Offset

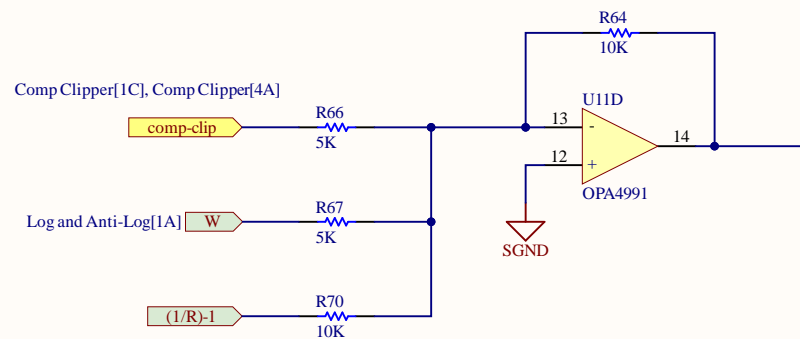
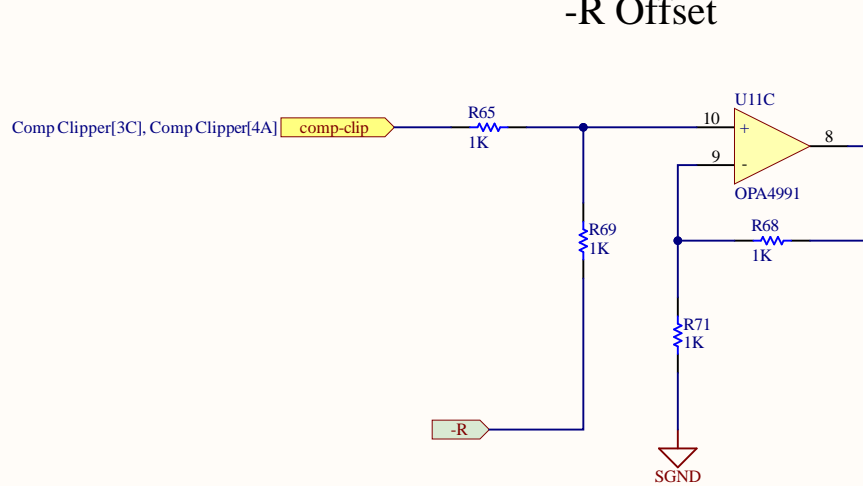


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Letter			
Date:	2/24/2024		Sheet of
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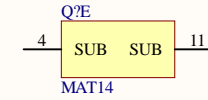
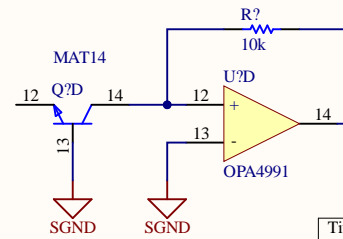
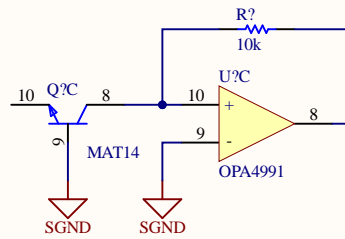
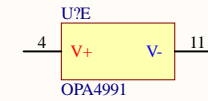
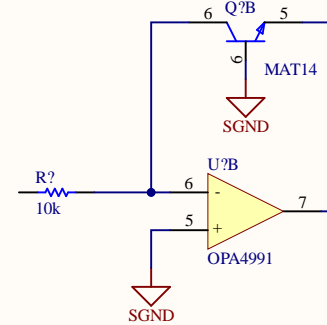
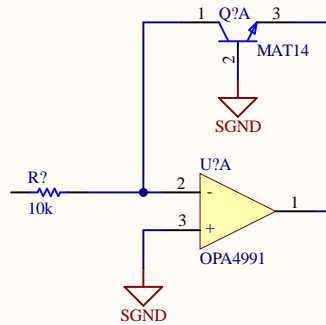
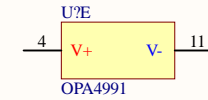
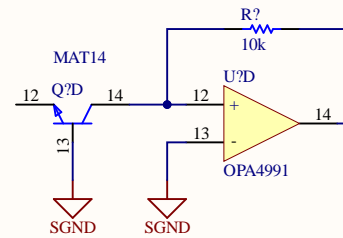
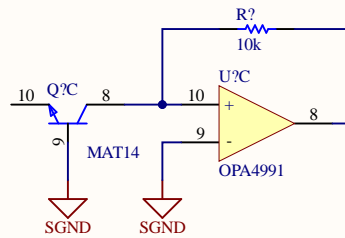
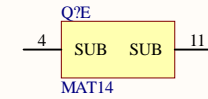
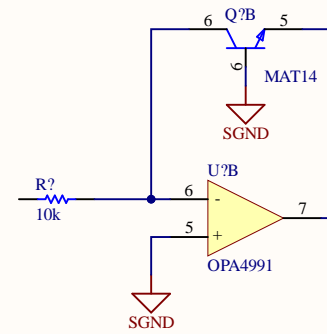
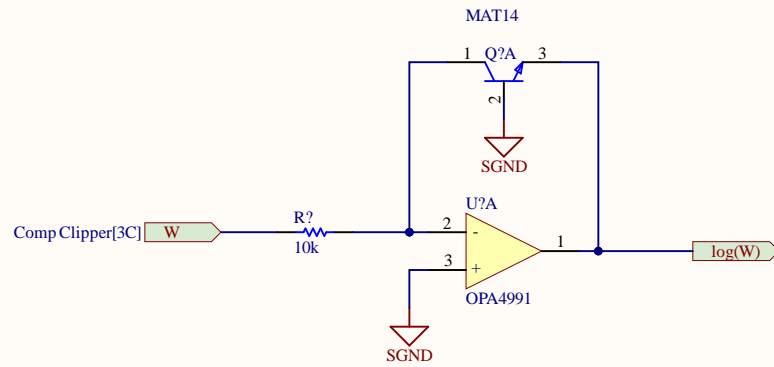


Multiplier and Divider Offset

-R Offset

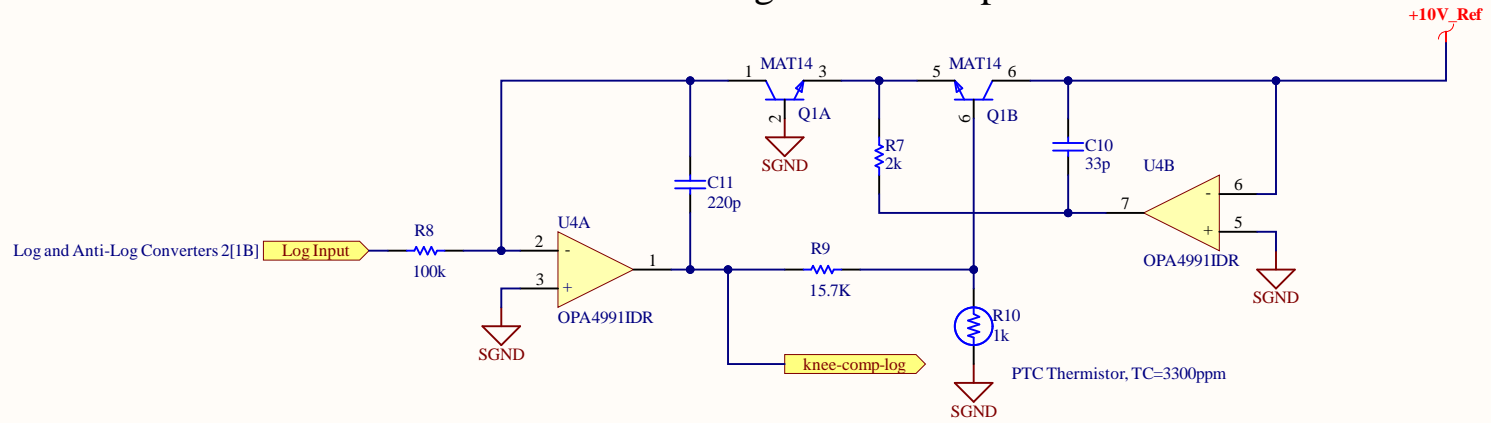


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Size	Number		Revision
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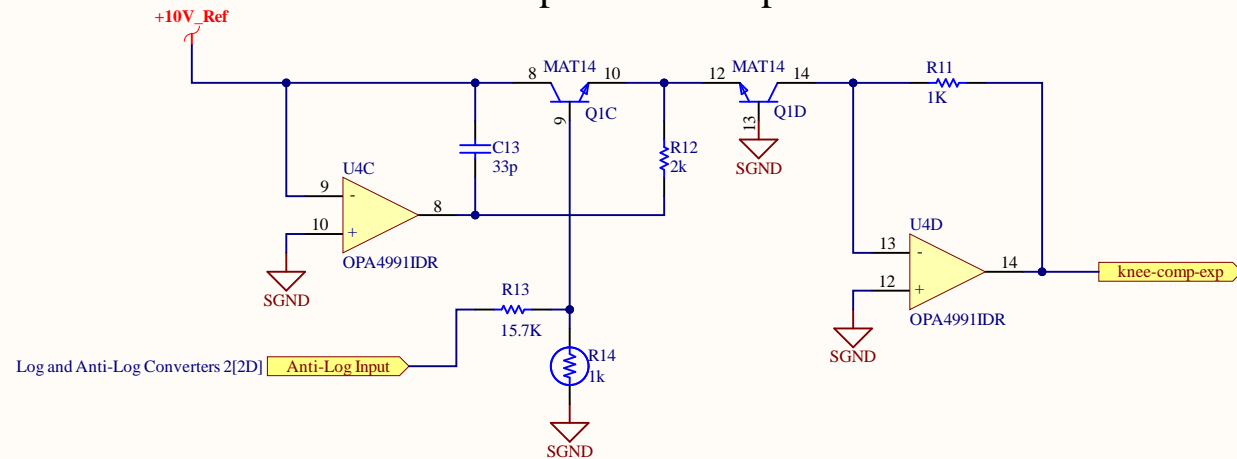
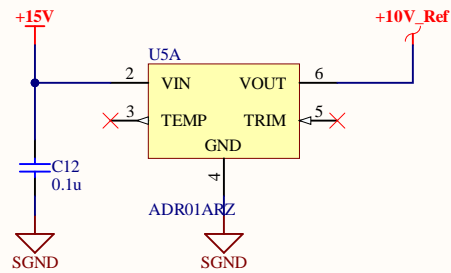


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Letter			
Date:	2/24/2024		Sheet of
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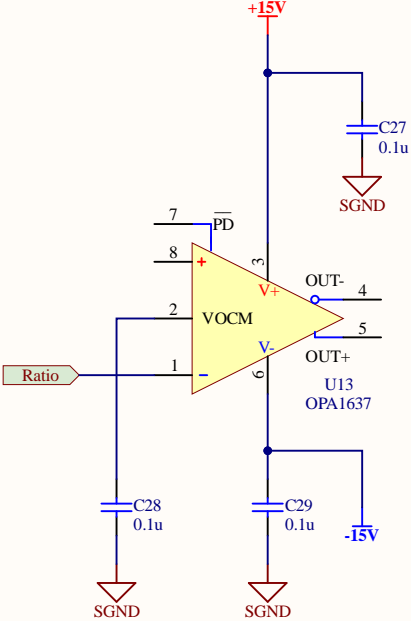
Logarithmic Amplifier



Exponential Amplifier

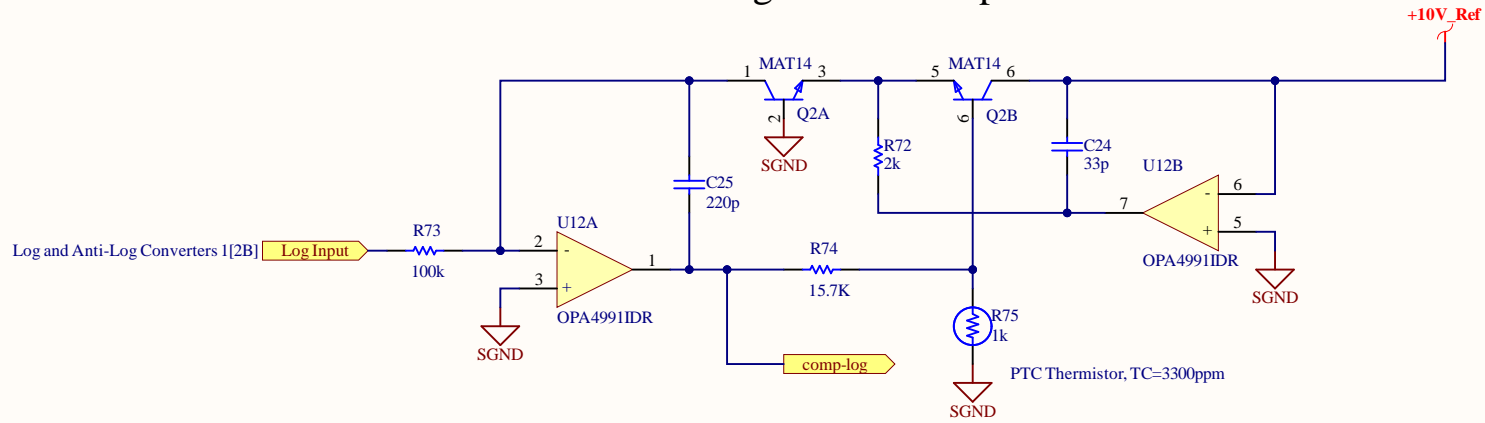


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Size Letter	Number	Revision
Date: 2/24/2024	Sheet of	
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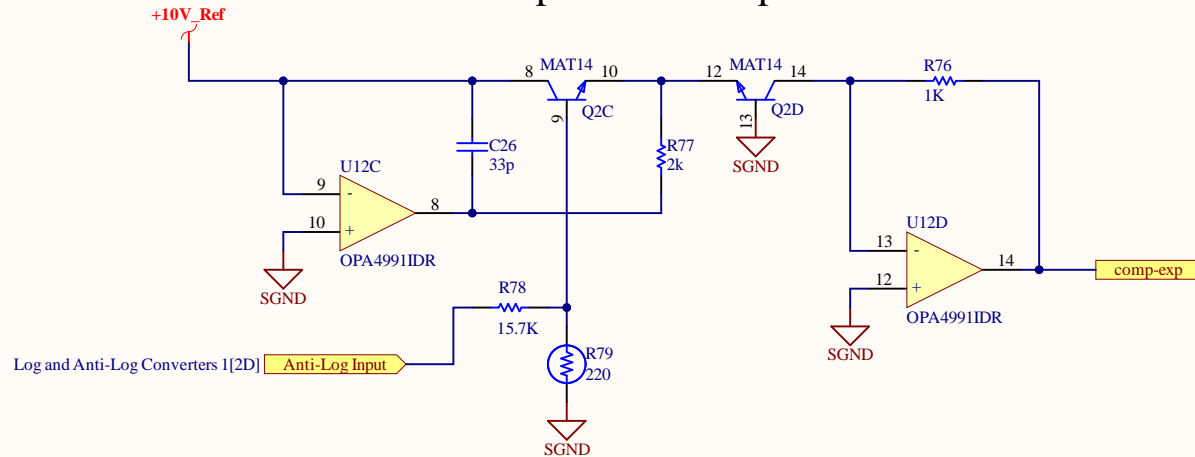


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Logarithmic Amplifier

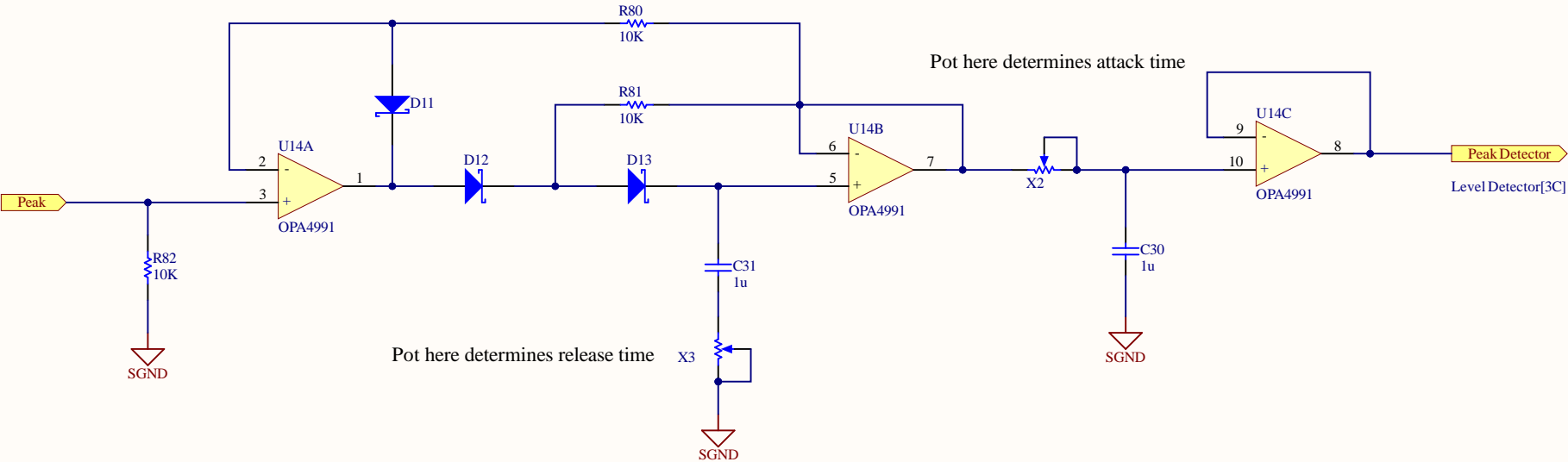


Exponential Amplifier

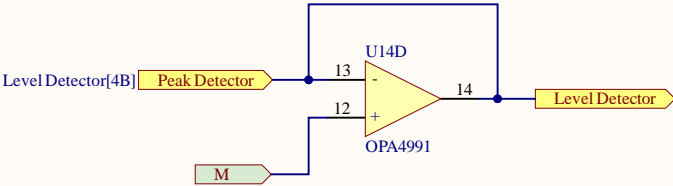
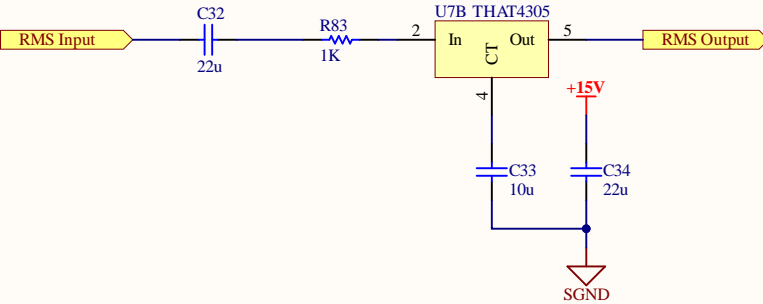


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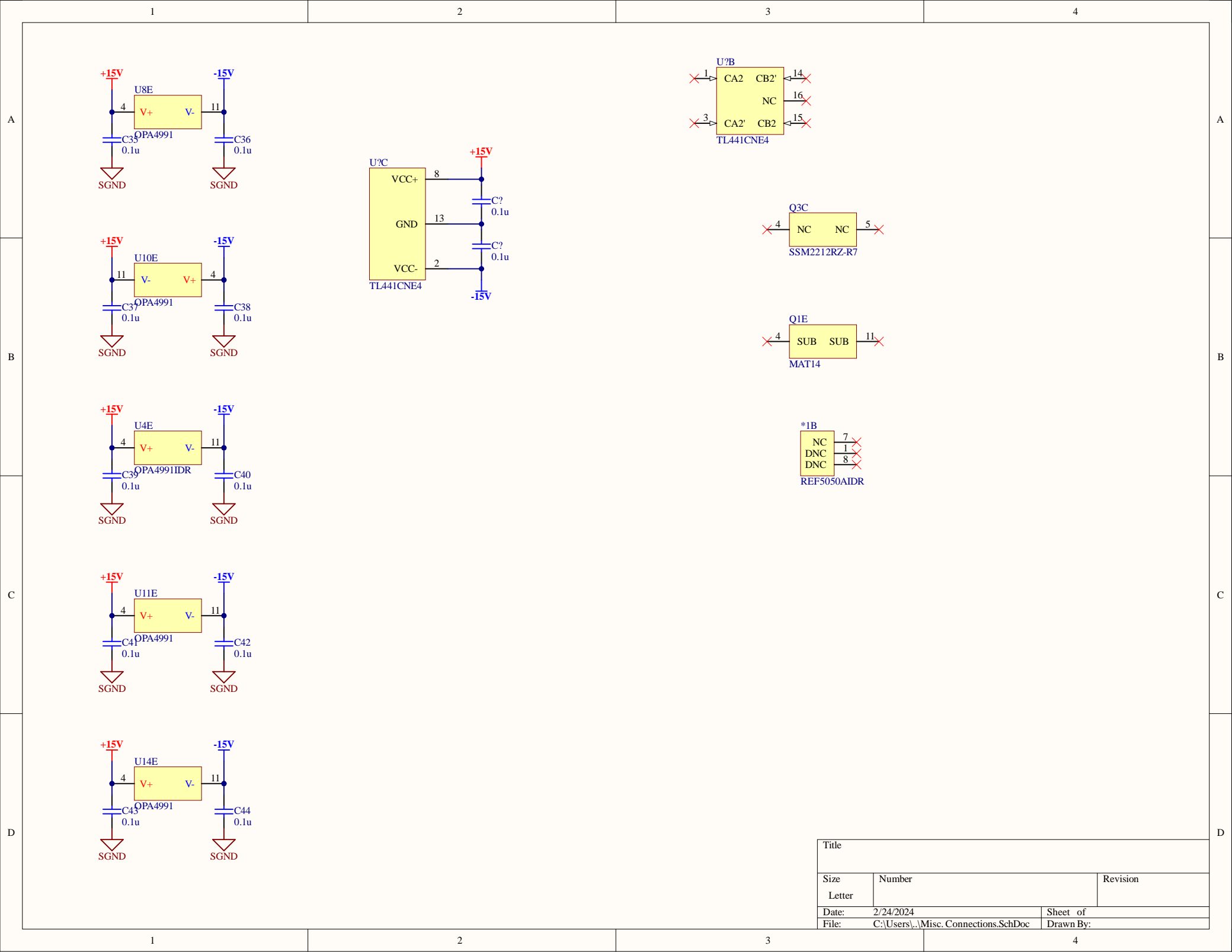
Precision Peak Detector with Attack and Release Control



RMS Detector

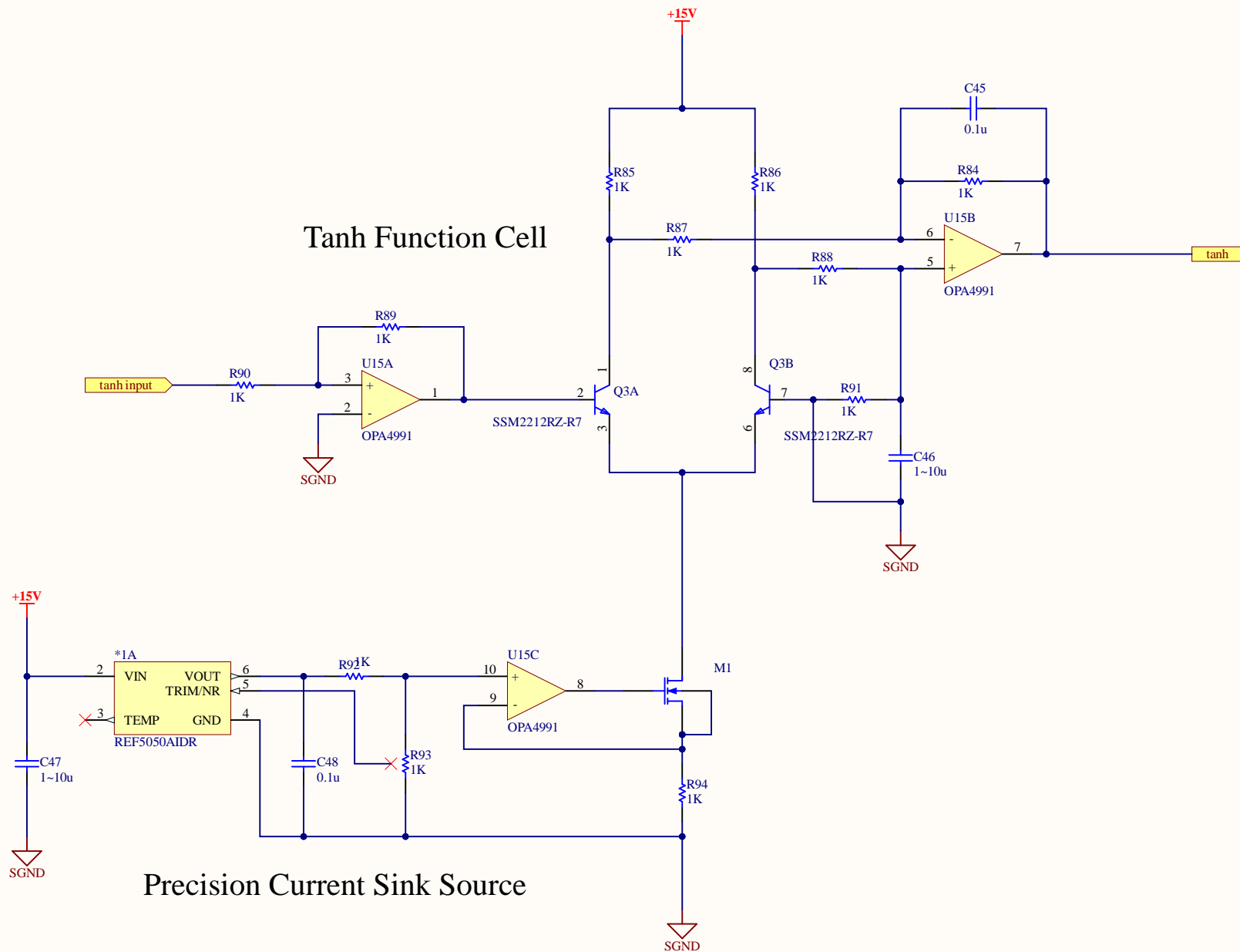


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Letter			
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Title			
Size Letter	Number		Revision
Date:	2/24/2024	Sheet of	
File:	C:\Users\...\Gain Control.SchDoc	Drawn By:	

Tanh Function Cell



Precision Current Sink Source

Sink current should be adjusted here so that the output of the tanh cell is normalized to $-0.5V < V_{out} < 0.5V$

Title		
Size	Number	Revision
Letter		
Date:	2/24/2024	Sheet of
File:	C:\Users\...\tanh function cell.SchDoc	Drawn By:

