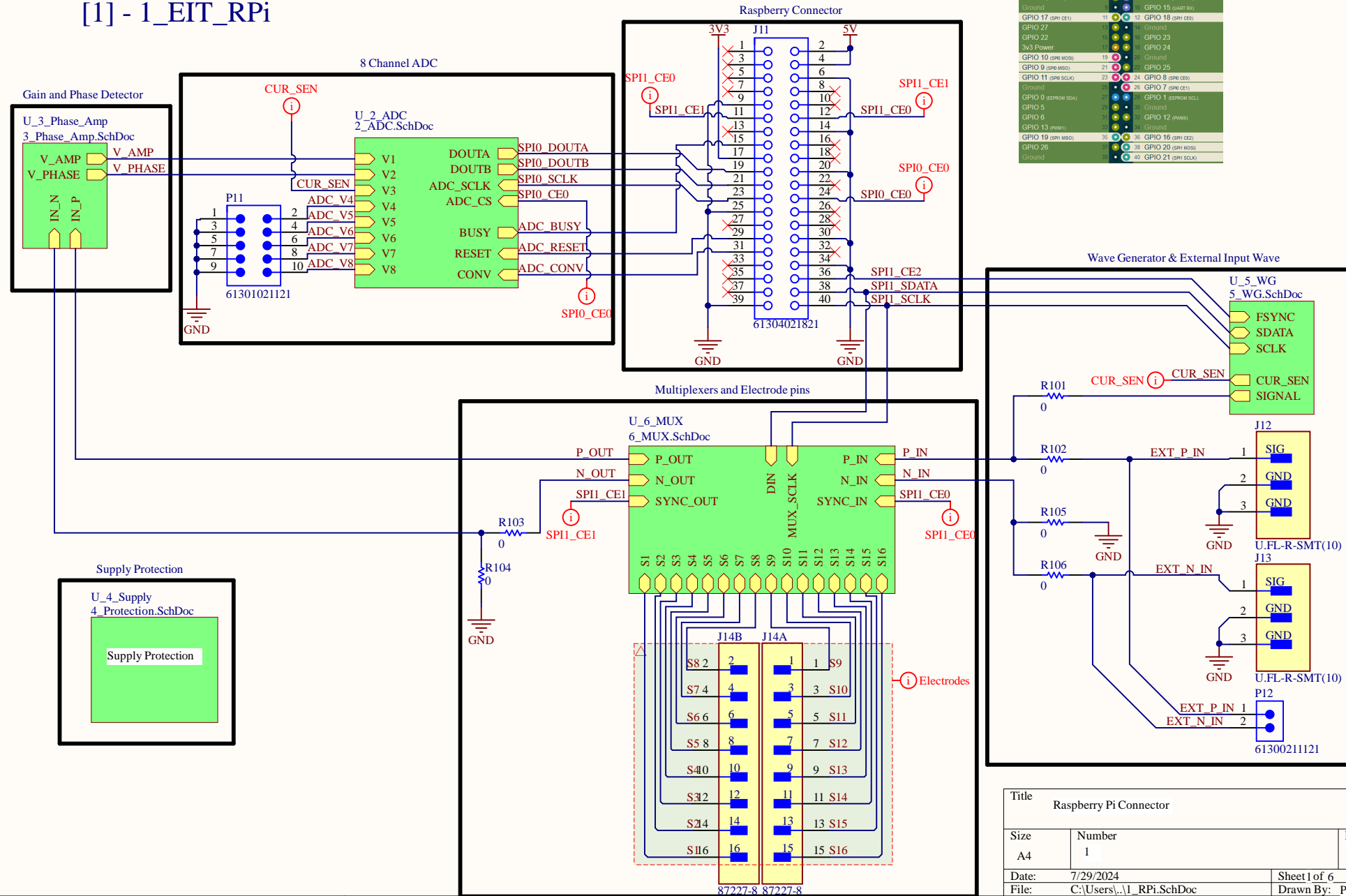


[1] - 1_EIT_RPi



Title Raspberry Pi Connector		
Size A4	Number 1	Revision
Date: 7/29/2024	File: C:\Users\j... \RPI.SchDoc	Sheet 1 of 6 Drawn By: Pedro

[2] - 2_EIT_ADC

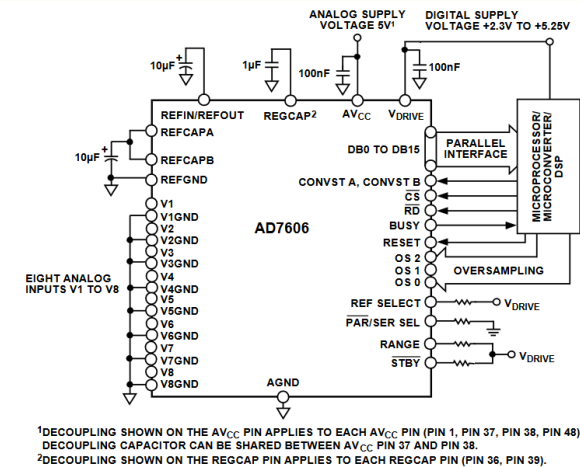
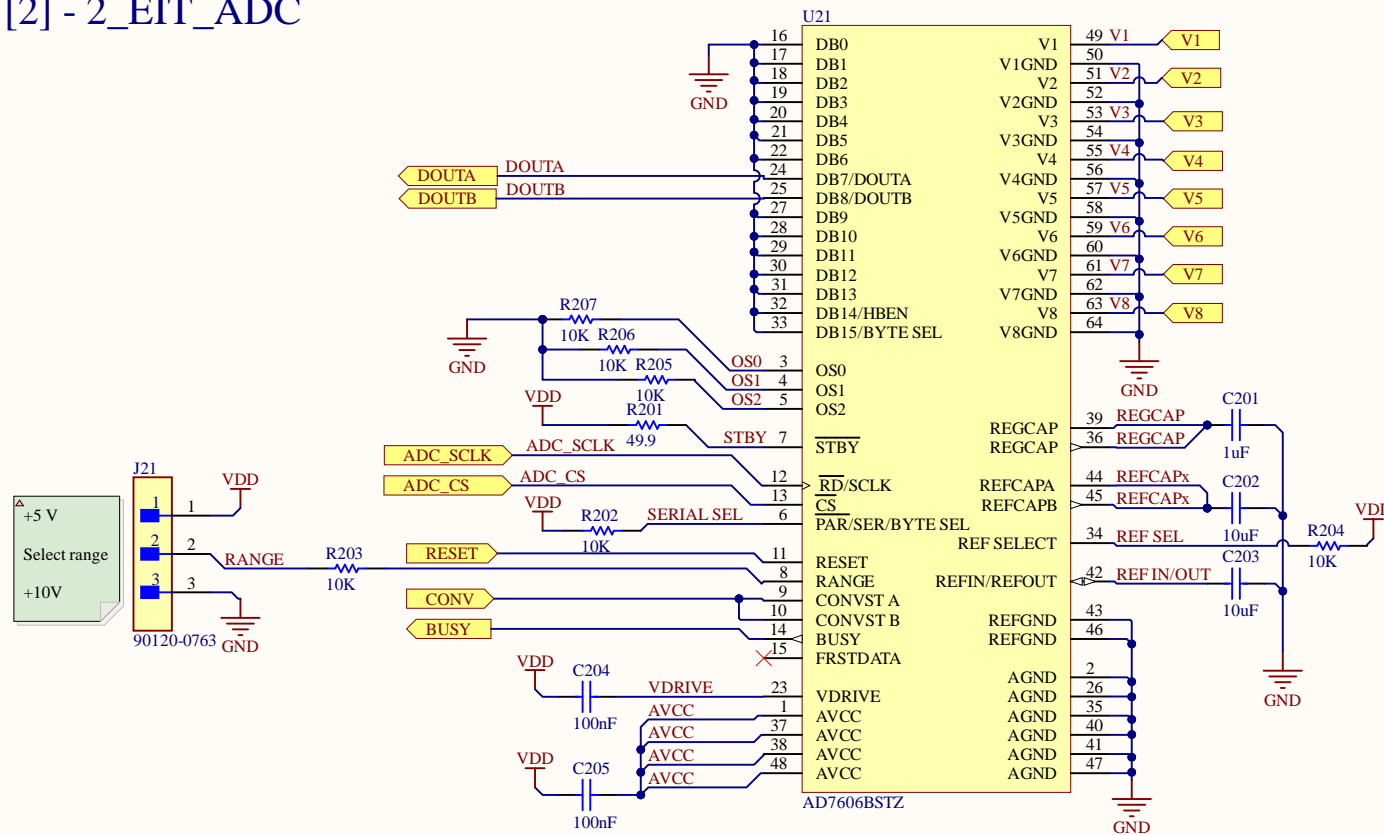


Figure 43. AD7606 Typical Connection Diagram

ADC 8 channels w/ SPI or Parallel.
Configured with necessary pins for SPI interface.

Title [2] - 2_EIT_ADC		
Size A4	Number 2	Revision
Date: 7/29/2024	Sheet 2 of 6	
File: C:\Users\... \2_ADC.SchDoc	Drawn By: Pedro	

A

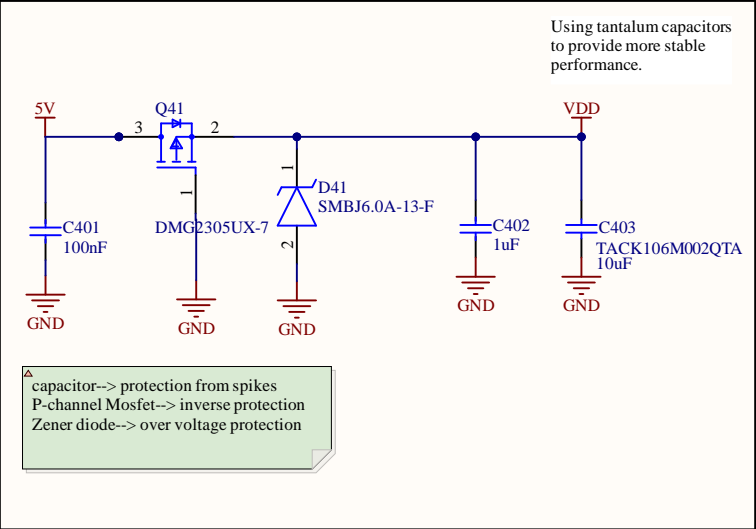


C

DD

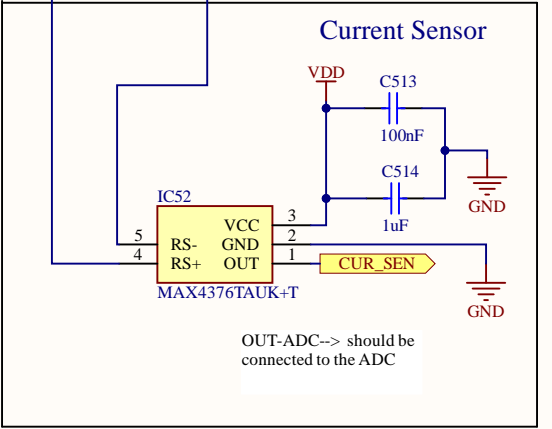
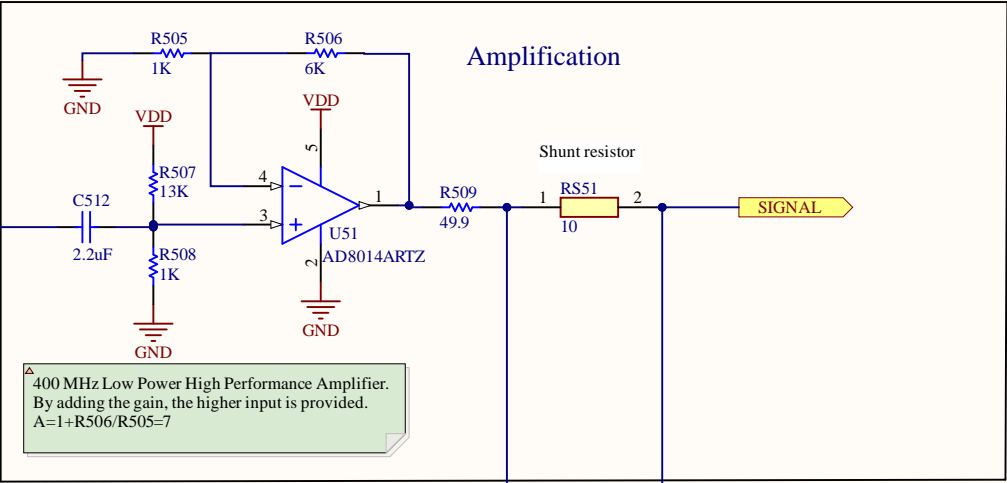
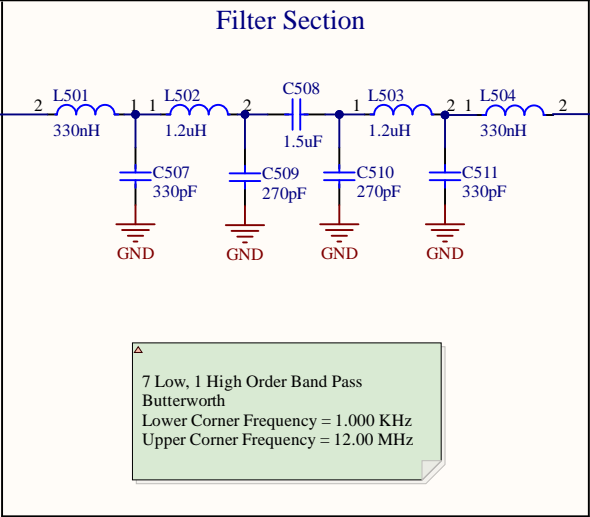
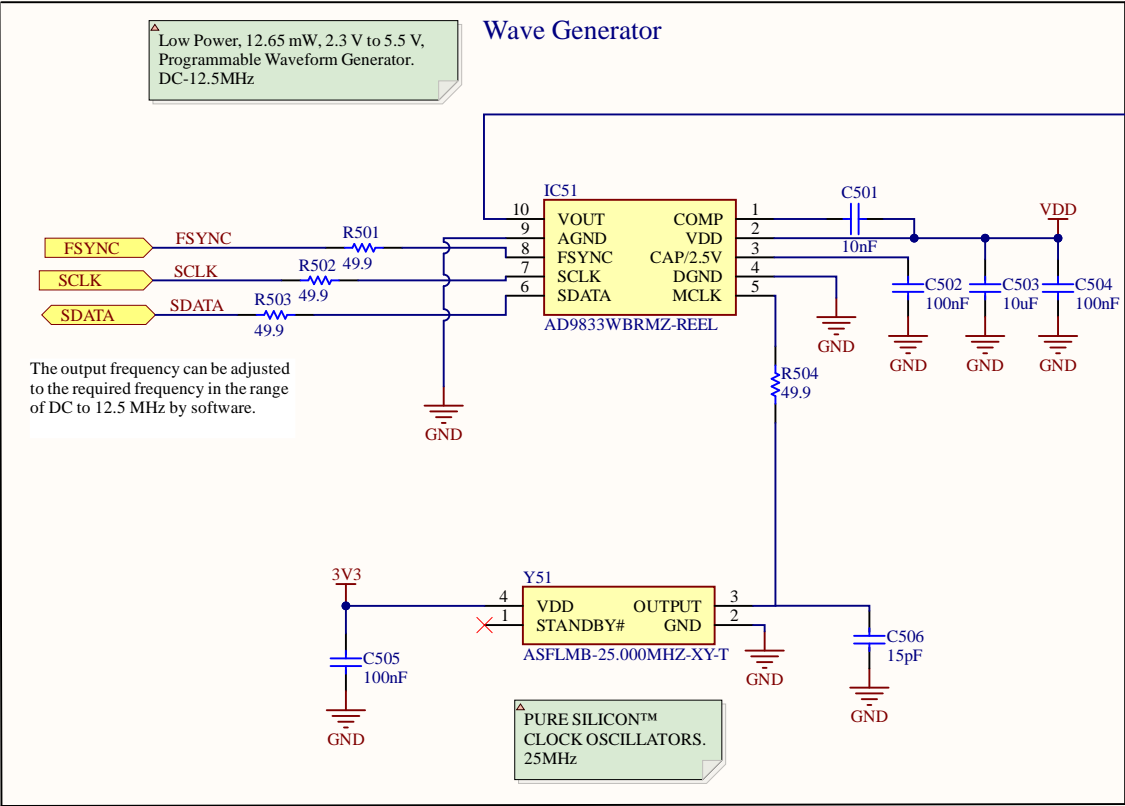
[4] 4_EIT_Power_Protection

5V-reg

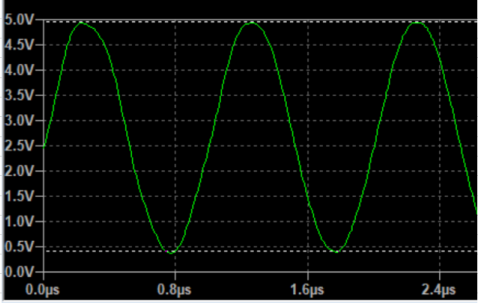


Title Raspberry Pi Connector		
Size A4	Number 4	Revision
Date: 7/29/2024	Sheet 4 of 6	
File: C:\Users\...4_Protection.SchDoc	Drawn By: Pedro and Narges	

[5] 5_EIT_Wave Generator

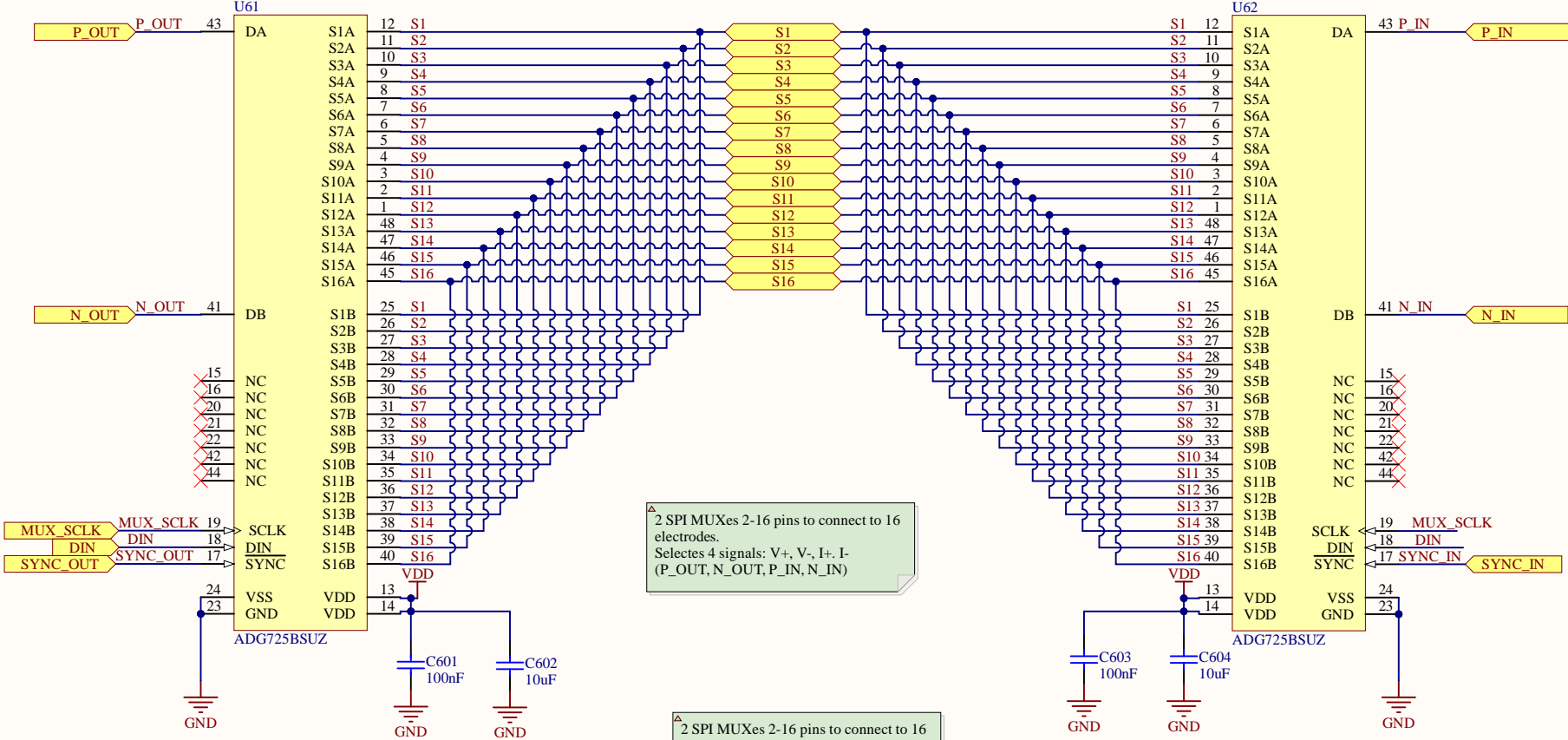


R2= 1k	R4= 6k	A= 1+ R4/R2			
A=7					
Frequency generator(1MHz)		BPF		Amplifier(Load 1K)	
Vmax	Vmin	Vmax	Vmin	Vmax	Vmin
0,65 V	0,038 V	-0,33 V	0,33 V	4,5 V	0,39 V
		BPF + offset		Amplifier(Load 10K)	
Vmax	Vmin	Vmax	Vmin	Vmax	Vmin
0,26 V	0,68 V	4,9 V	0,4 V	4,9 V	0,41 V
				Amplifier(Load 100)	
Vmax	Vmin	Vmax	Vmin	Vmax	Vmin
		4,9 V	0,41 V		



Title			Wave Generator
Size	Number	Revision	
A3	5		
Date:	7/29/2024	Sheet 5 of 6	
File:	C:\Users\...\5_WG.SchDoc	Drawn By: Narges and Pedro	

[6] 6_EIT_MUX



Title		
Multiplexer		
Size	Number	Revision
A4	6	
Date:	7/29/2024	Sheet 6 of 6
File:	C:\Users\...\6_MUX.SchDoc	Drawn By: Pedro