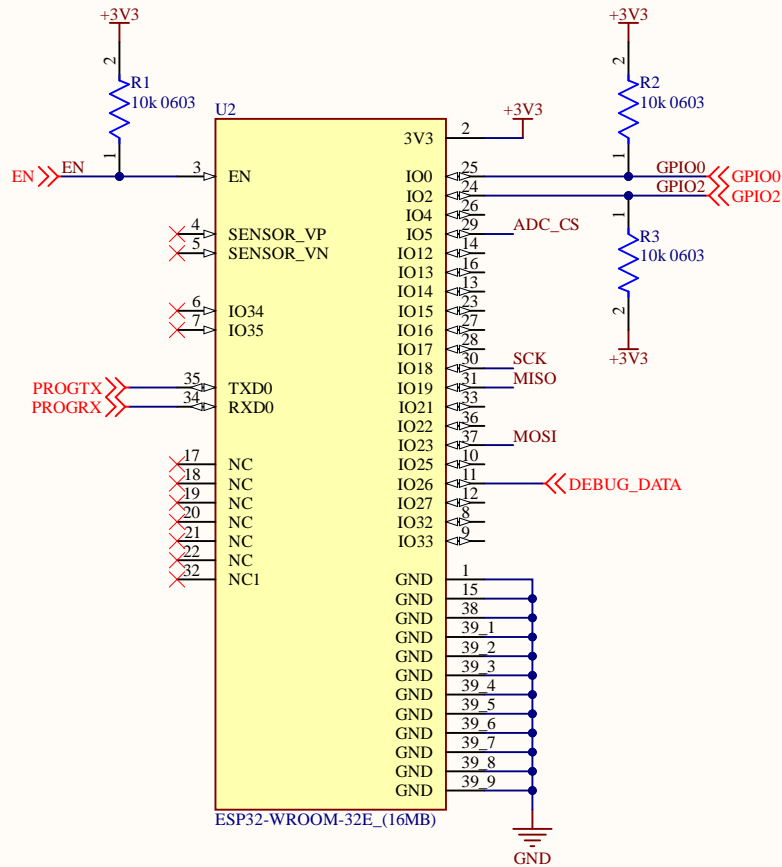
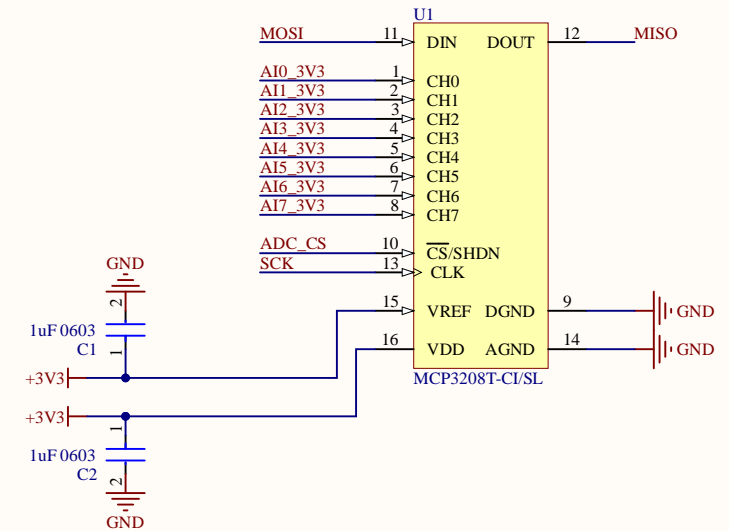


# ESP32



# ADC

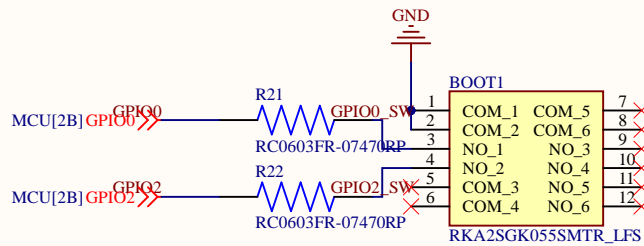
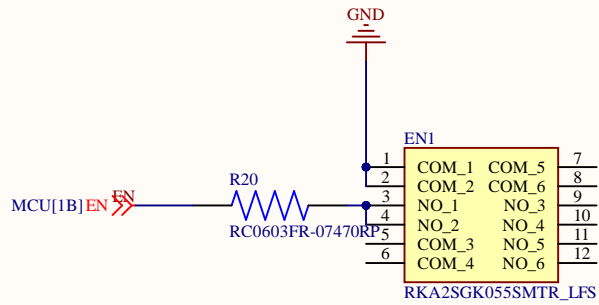


# 3V3 Input Scaling for ADC



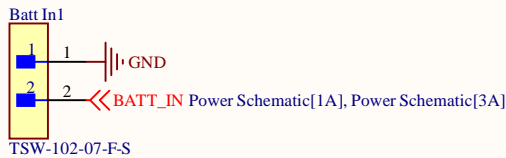
Title			MCU and ADC
Size	Number	Revision	
A4		Rev A	
Date:	11/14/2024	Sheet of	
File:	D:\github\...\MCU.SchDoc	Drawn By:	

## Reset and Boot Buttons

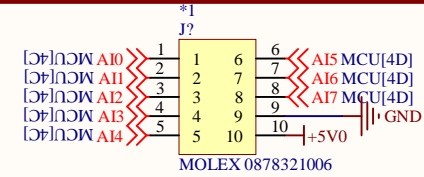


**GPIO0** and **GPIO2** needs to be pulled LOW to enter Download Boot mode. Only **GPIO0** needs to be pulled HIGH for it to enter back the program but we pull both **GPIO0** and **GPIO2** HIGH for simplicity

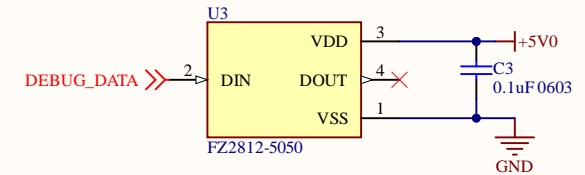
## Battery Power Connector



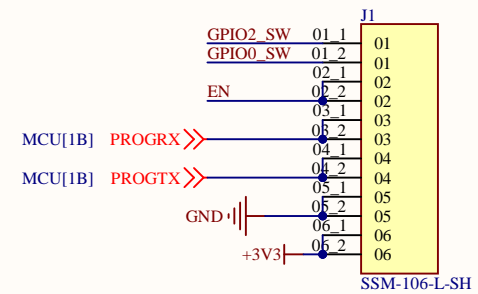
## Reset and Boot Buttons



## Debug LED



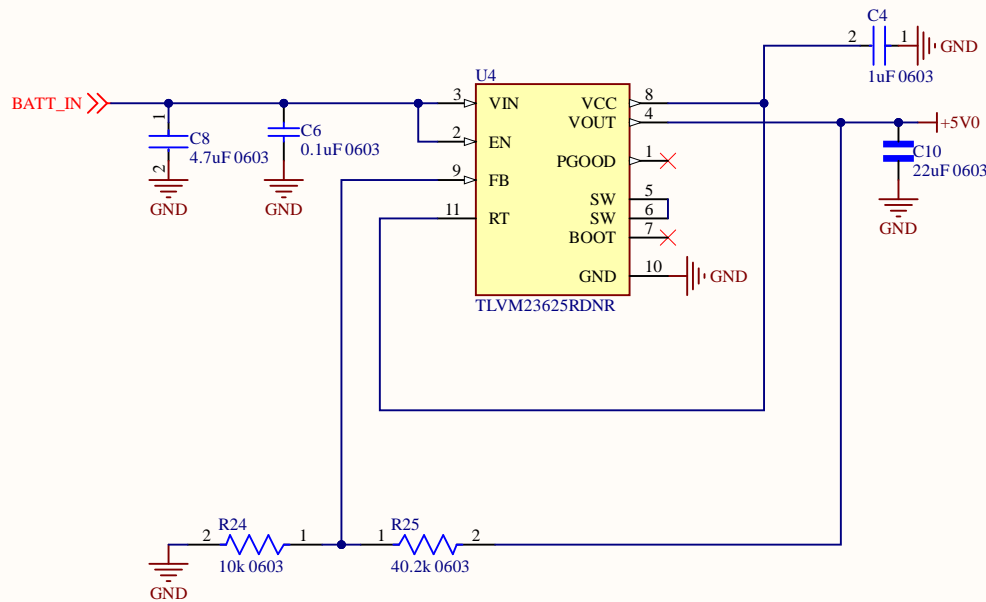
## Debug and Programming Connector



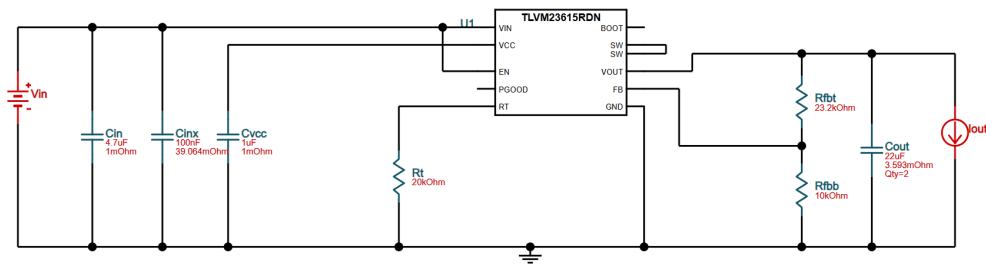
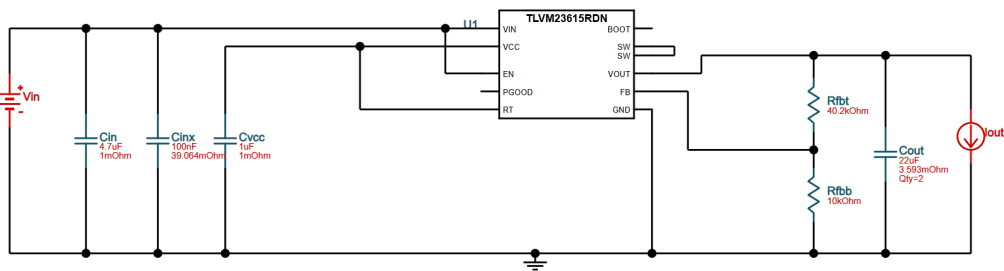
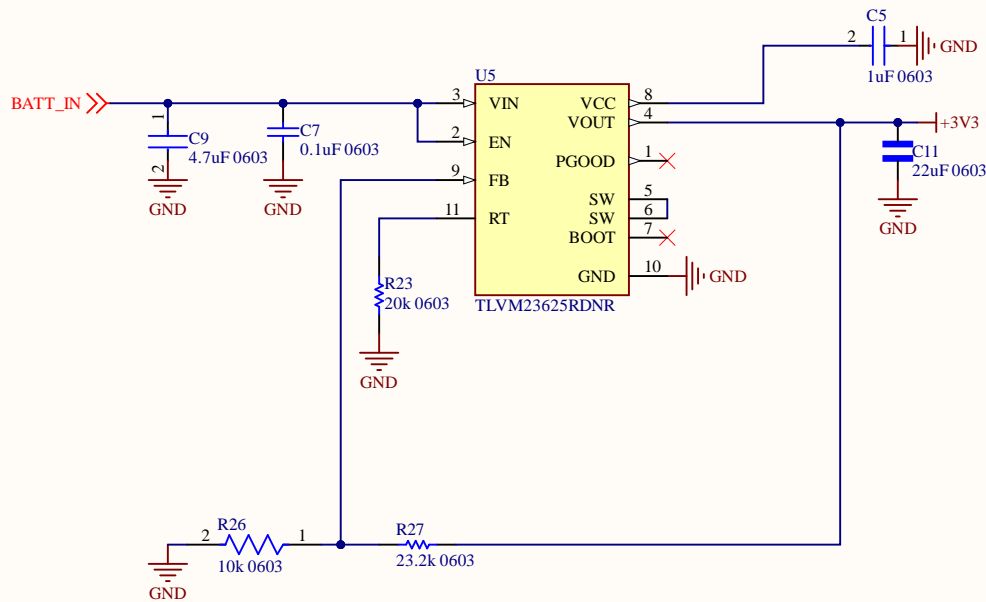
**TODO:** add a jumper/solder bridge for electrode power

Title		
Buttons, LEDS and Connectors Sheet		
Size	Number	Revision
A4		Rev A
Date:	11/14/2024	Sheet of
File:	D:\github\Buttons, LEDs and Connectors Sheet	Drawn by:

5V0 Voltage Regulator



3V3 Voltage Regulator



Title			Power Schematic	
Size	A4	Number		
Revision	Rev A			
Date:	11/14/2024		Sheet of	
File:	D:\github\...\Power Schematic.SchDoc		Drawn By:	

