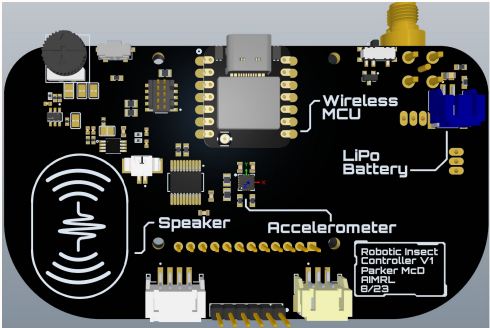
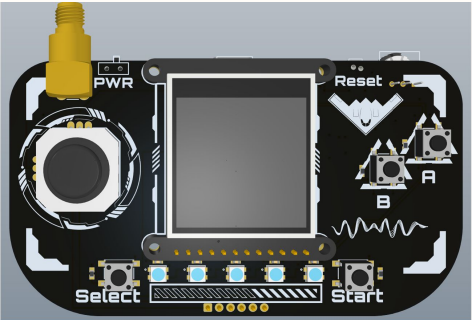
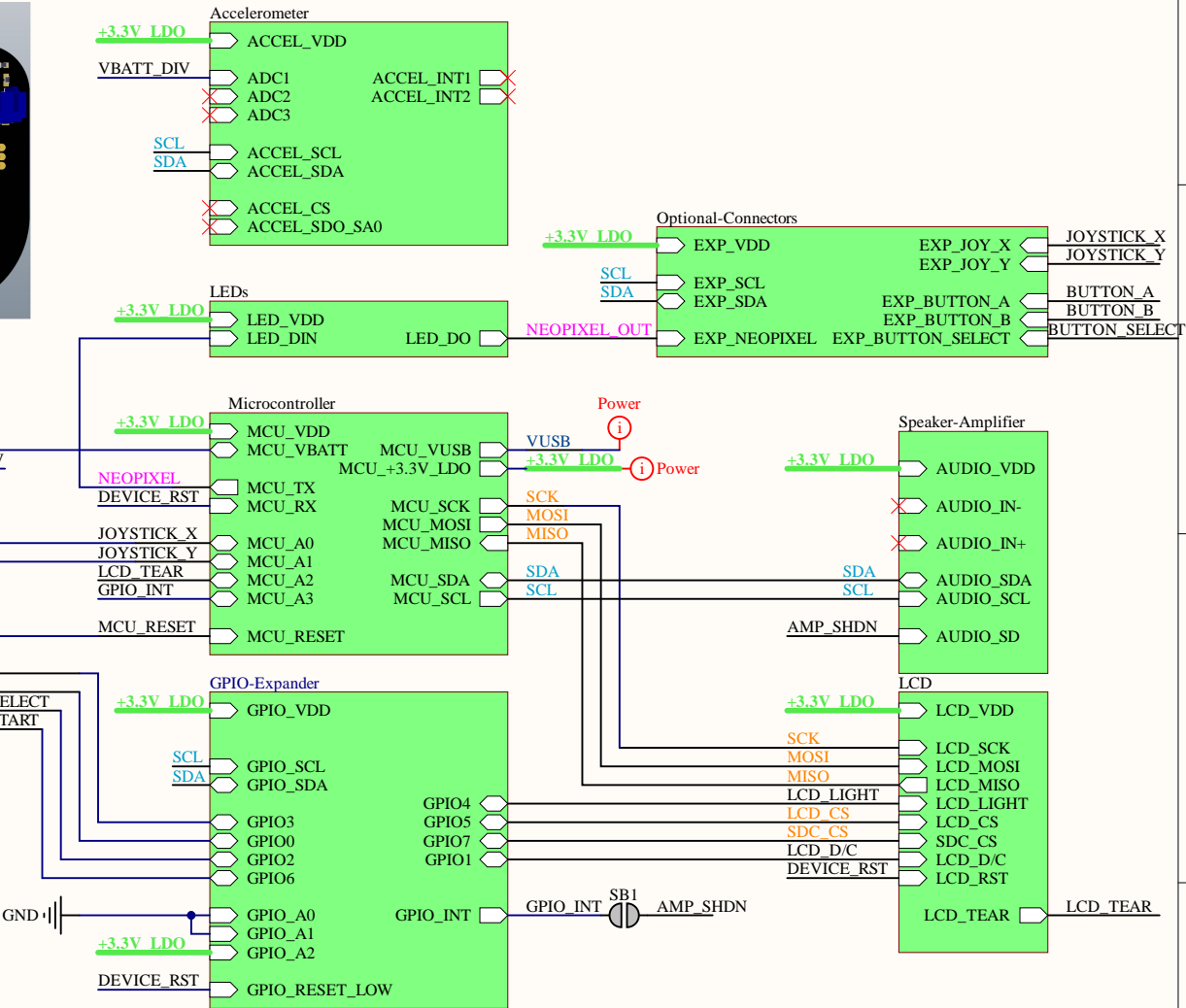


# Top Level Schematic



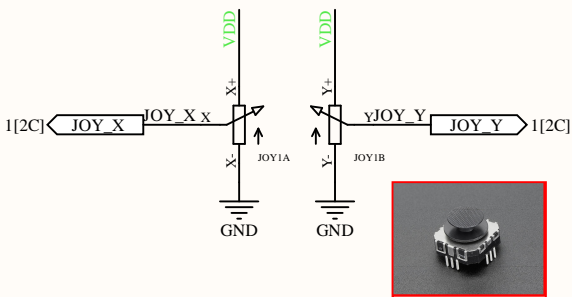
(Bottom Side)



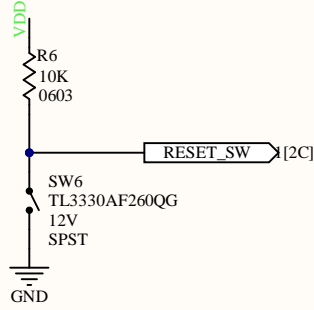
(Top Side)

Title		
Size	Number	Revision
A		
Date:	9/07/2023	Sheet of
File:	C:\Users\...\Top-Level.SchDoc	Drawn By:

# Joystick X/Y

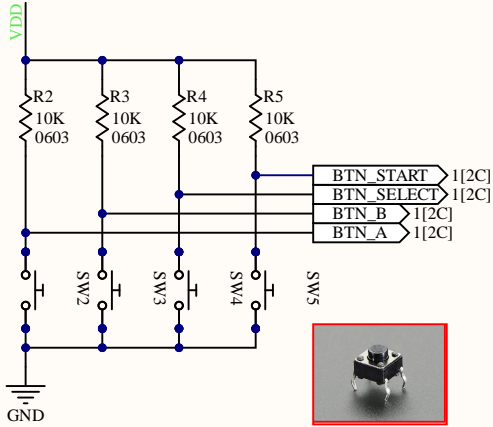


# Reset Switch



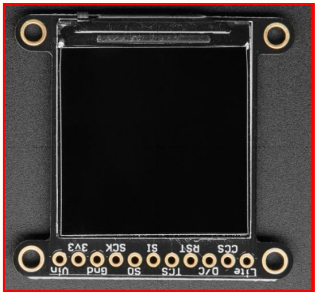
1[1C] CONTROLS VDD VDD

# Controller Buttons

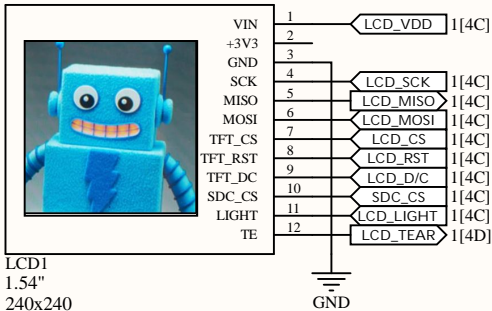


Title		
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Date:	9/07/2023	Sheet of
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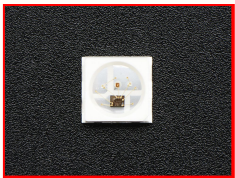
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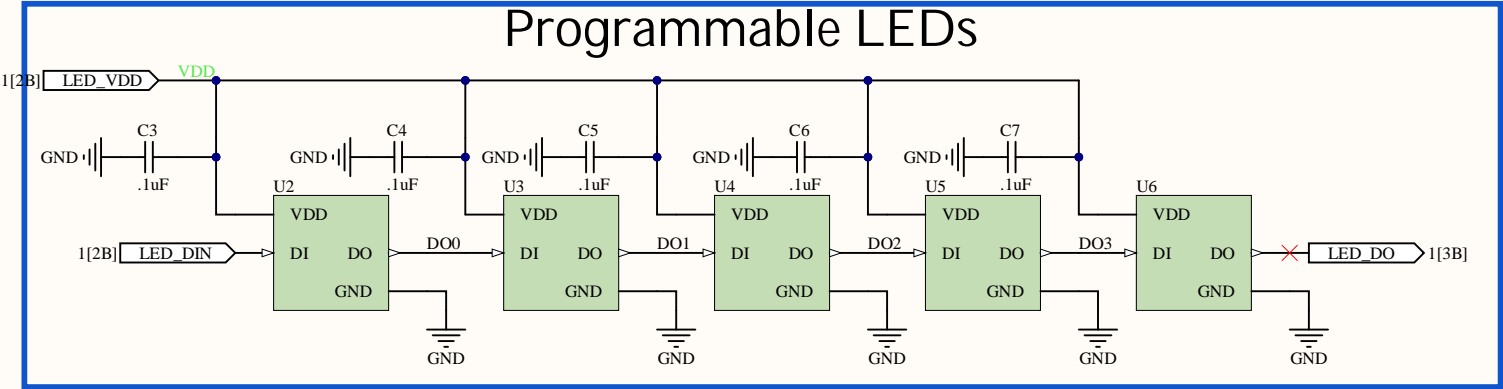
# LCD Display



Title		
Size	Number	Revision
A		
Date:	9/07/2023	Sheet of
File:	C:\Users\...\LCD.SchDoc	Drawn By:

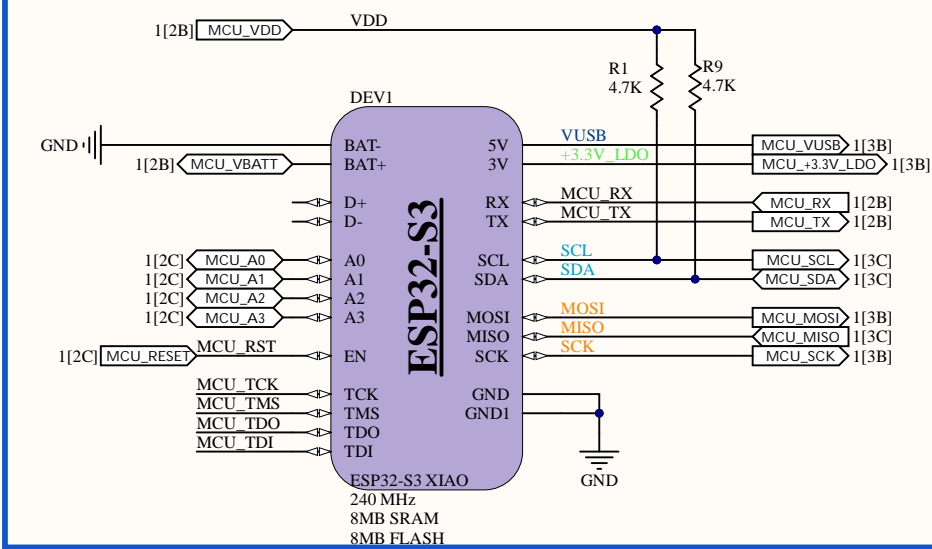


# Programmable LEDs

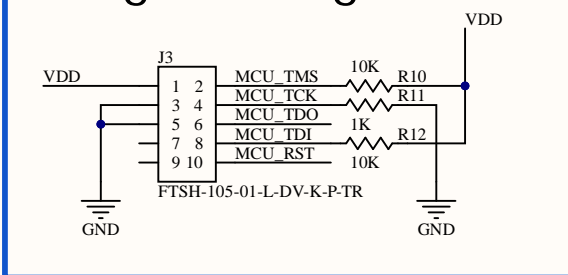


Title		
Size	Number	Revision
A		
Date:	9/07/2023	Sheet of
File:	C:\Users\...\LEDS.SchDoc	Drawn By:

# ESP32-S3 Wireless MCU



## Programming Header

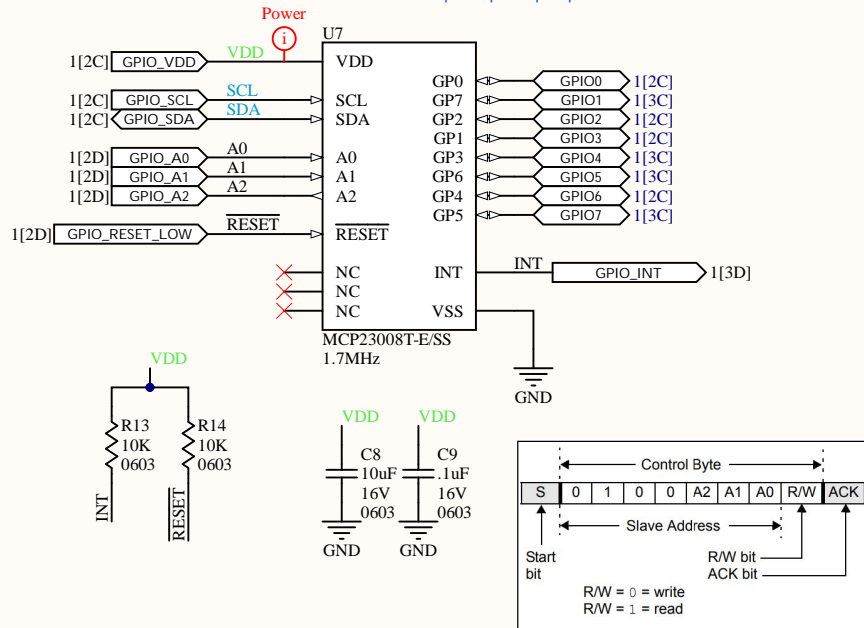


Title		
Size	Number	Revision
A		
Date:	9/07/2023	Sheet of
File:	C:\Users\...\Microcontroller.SchDoc	Drawn By:

# GPIO Expander

I2C ADDR: 0x2x

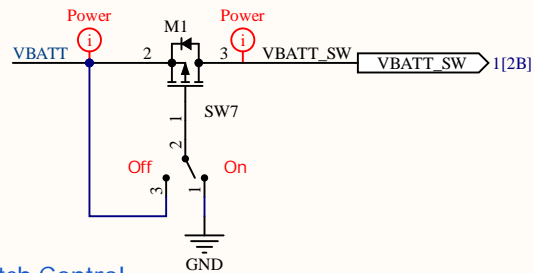
I2C ADDR: 0b0100|A2|A1|A|



Title		
Size	Number	Revision
A		
Date:	9/07/2023	Sheet of
File:	C:\Users\...\GPIO-Expander.SchDoc	Drawn By:

# Battery and On/Off Switch

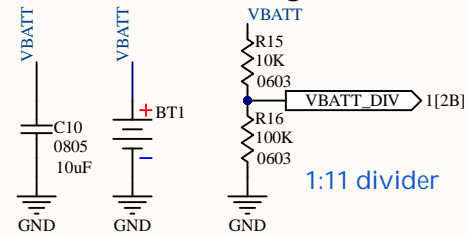
## Input Power Switch



### Switch Control

SW1: Position 1 - Power supplied to system, Position 2 - Power off to system

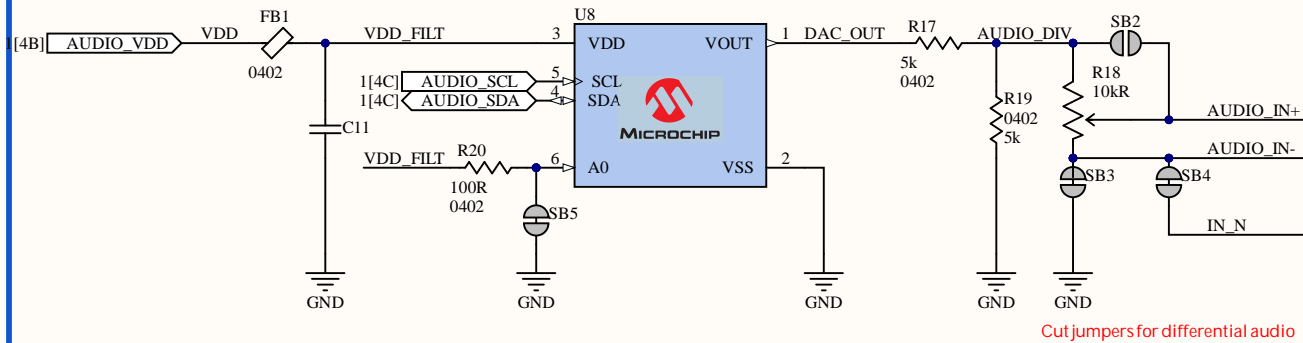
## Li-Po Battery



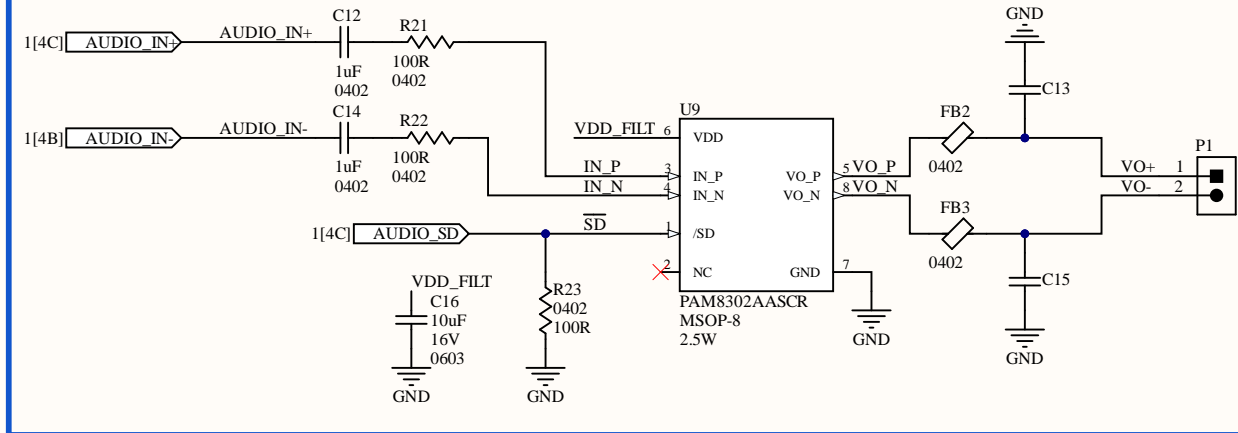
Title		
Size	Number	Revision
A		
Date:	9/07/2023	Sheet of
File:	C:\Users\...\Battery-Switch.SchDoc	Drawn By:



## Input Power Switch

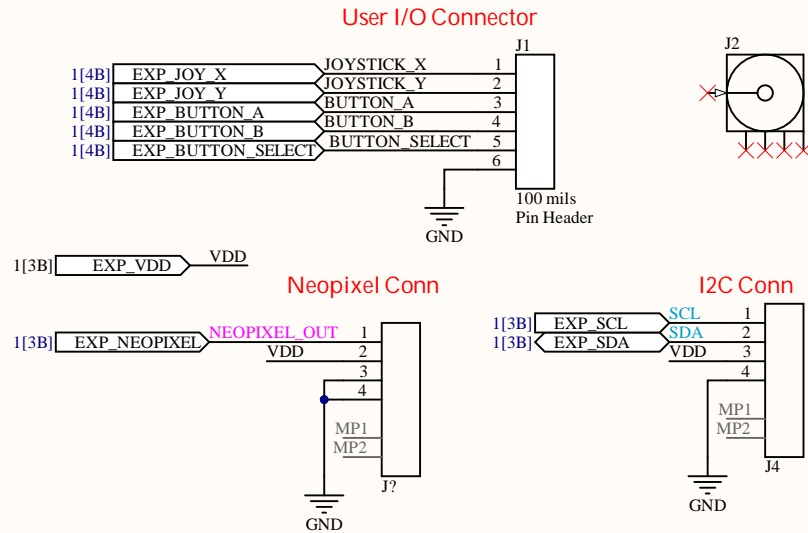


## Amplifier and Speaker



Title		
Size	Number	Revision
A		
Date:	9/07/2023	Sheet of
File:	C:\Users\...\Speaker-Amplifier.SchDoc	Drawn By:

# RF and Expansion Ports



Title		
Size	Number	Revision
A		
Date:	9/07/2023	Sheet of
File:	C:\Users\...\Optional-Connectors.SchDoc	Drawn By: