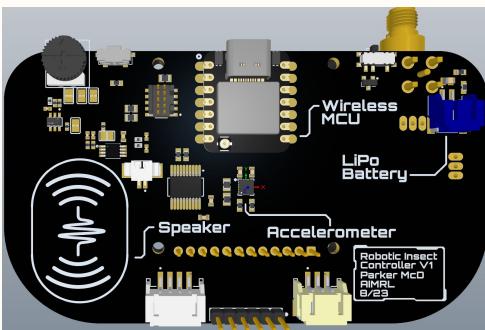
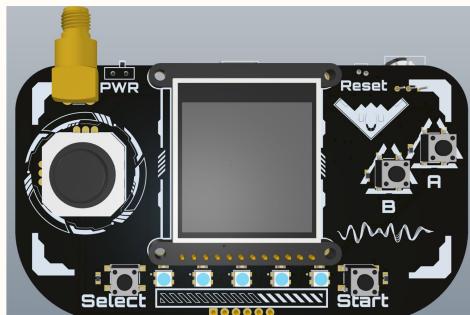
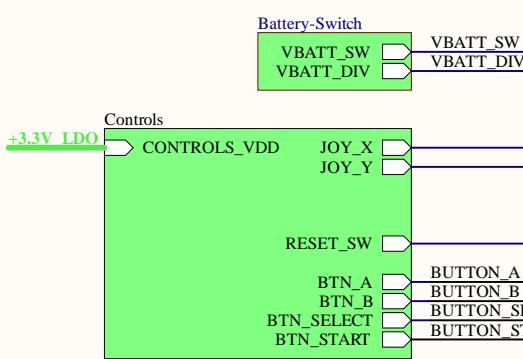


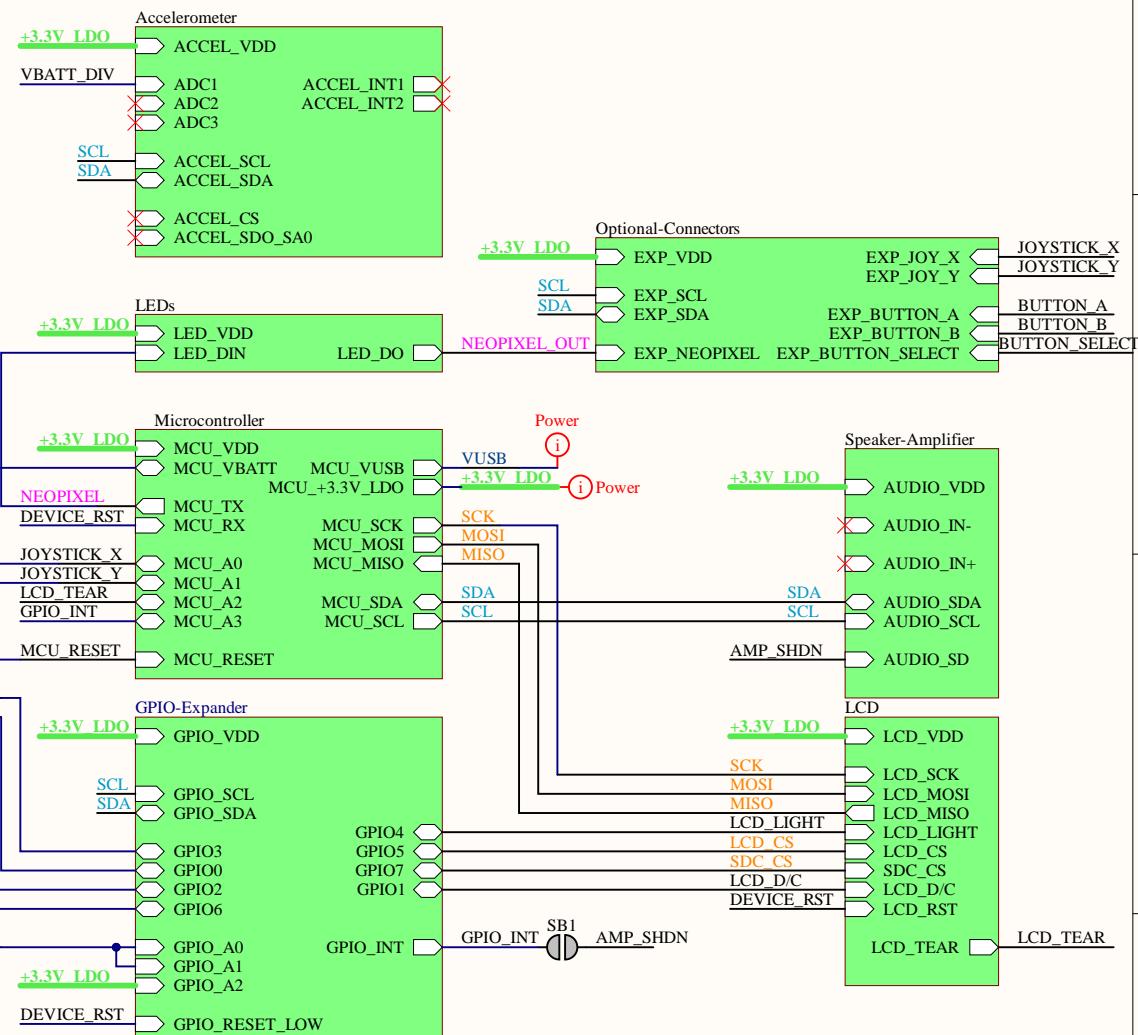
# Top Level Schematic



(Bottom Side)



(Top Side)



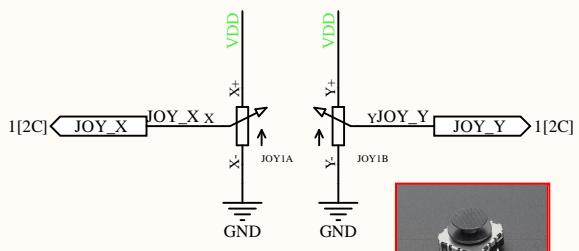
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Date:	8/22/2023	Sheet of
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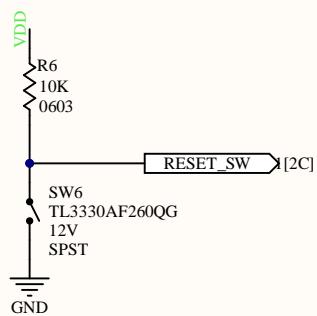
A

A

## Joystick X/Y

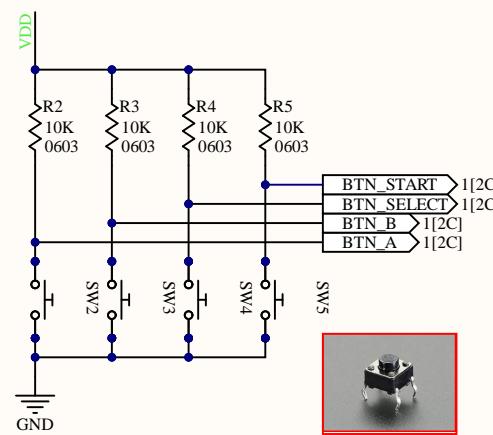


## Reset Switch



1[1C] CONTROLS\_VDD → VDD

## Controller Buttons



Title

Size

A

Number

Revision

Date:

8/22/2023

Sheet of

File:

C:\Users\...\Controls.SchDoc

Drawn By:

B

B

C

C

D

D

A

A

B

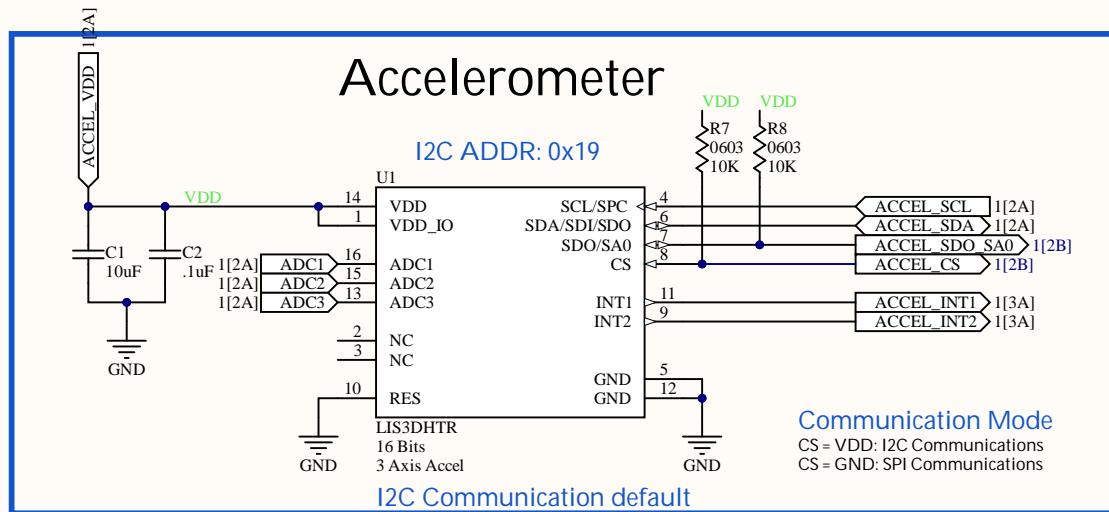
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C

C

D

D



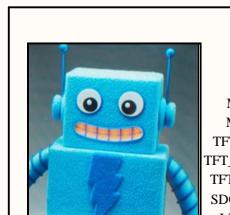
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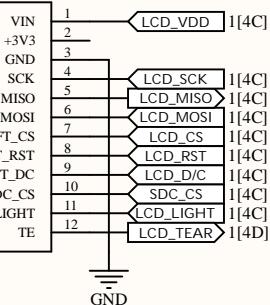


B

## LCD Display



LCD1  
1.54"  
240x240



C

D

Title

Size

A

Number

Revision

Date:

8/22/2023

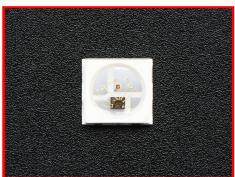
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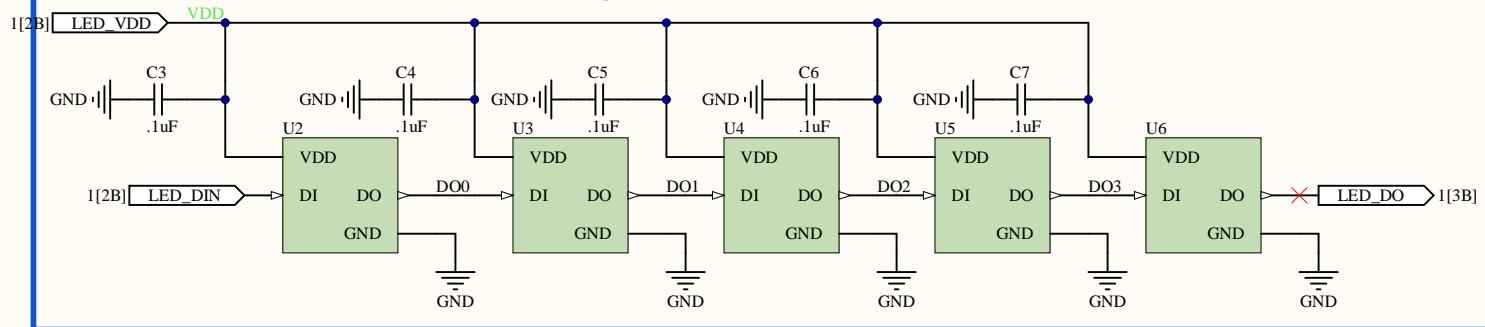
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Drawn By:

A



## Programmable LEDs



B

C

D

A

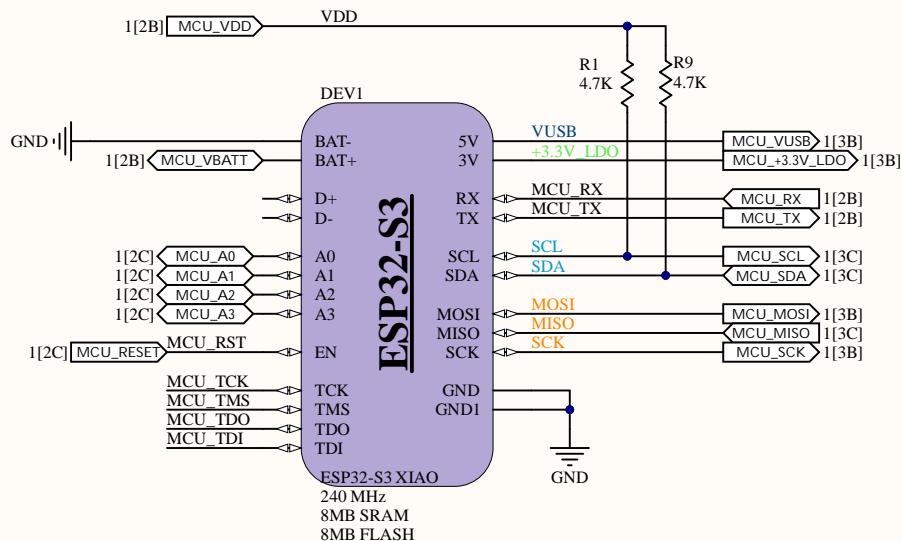
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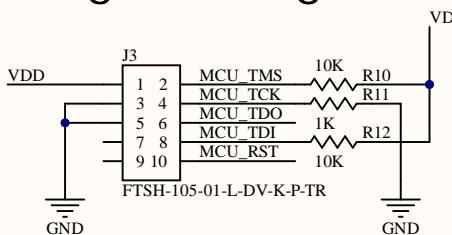
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Title		
Size	Number	Revision
A		
Date: 8/22/2023	Sheet of	
File: C:\Users\...\LEDs.SchDoc		Drawn By:

# ESP32-S3 Wireless MCU



## Programming Header



Title

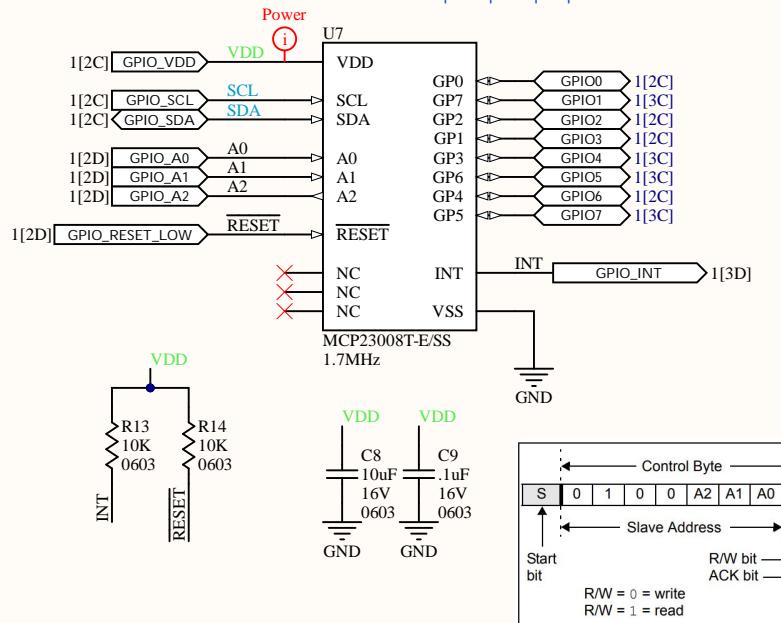
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A		
Date:	8/22/2023	Sheet of
File:	C:\Users\...\Microcontroller.SchDoc	Drawn By:

A

# GPIO Expander

I2C ADDR: 0x2x

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



Title

Size A	Number	Revision
Date:	8/22/2023	Sheet of
File:	C:\Users..\GPIO-Expander.SchDoc	Drawn By:

1

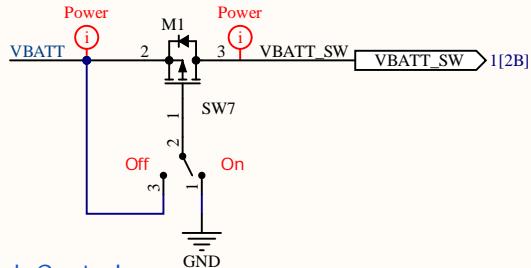
2

11

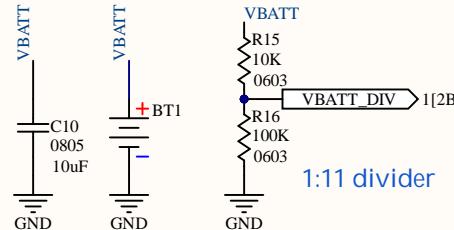
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# Battery and On/Off Switch

## Input Power Switch



## Li-Po Battery



Title

Size

A

Number

Revision

Date:

8/22/2023

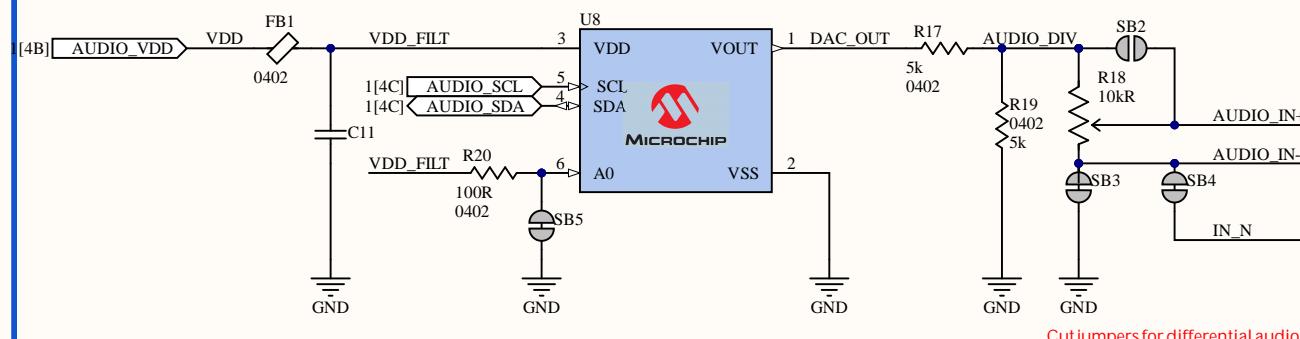
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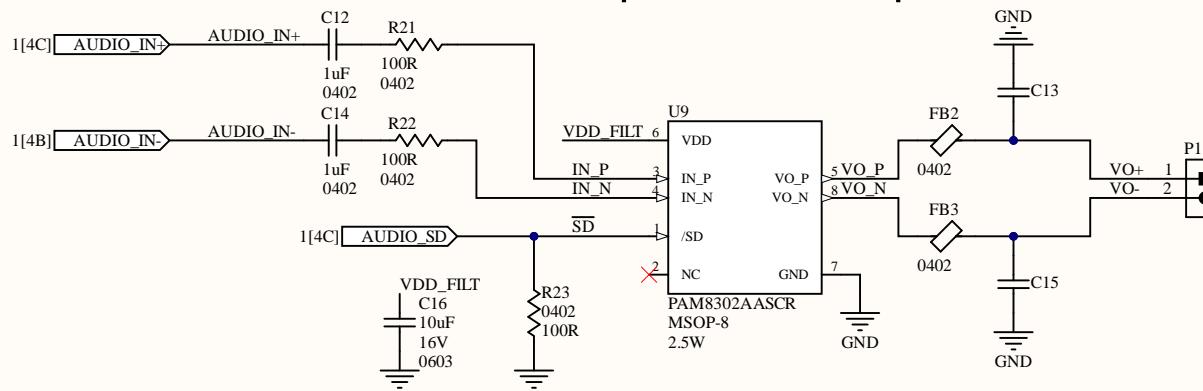
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Drawn By:

# Input Power Switch



## Amplifier and Speaker

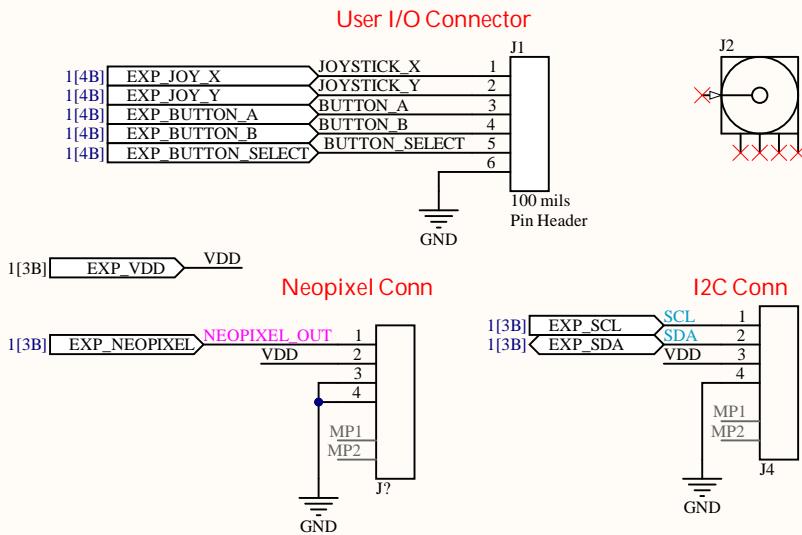


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A

A

# RF and Expansion Ports



Title

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Number

Revision

Date:

8/22/2023

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