

[01] - COVER PAGE.SchDoc

[02] - BLOCK DIAGRAM.SchDoc

[14] - DOC REVISION HISTORY.SchDoc

# TEMPLATE NOTES

## Set Project Parameters

- 1) Go to Project -> Project Options -> Parameters
- 2) Set Company, Project and VersionRevision

## Mark Not Fitted Components as

**NF**

## Net Class Example



## Differential signal example



TITLE Examples (You can change the color to reflect your company color)

# PAGE TITLE

## Peripheral / Group of component title

### Smaller Title

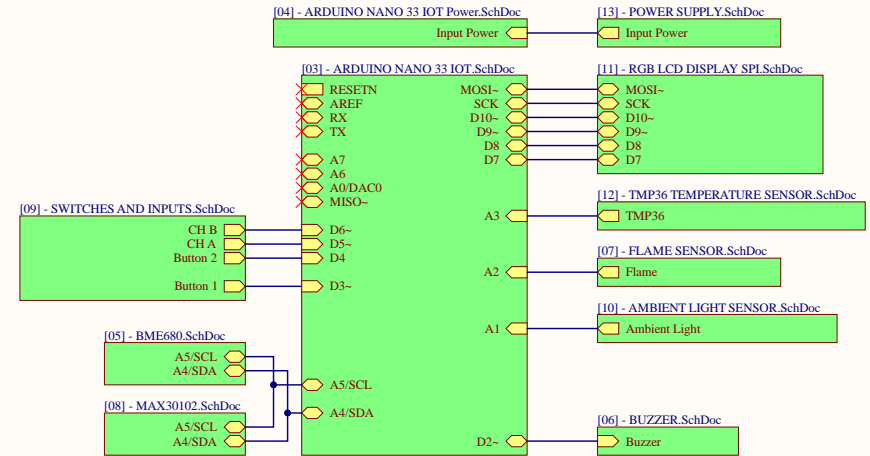
## Schematic Status Explanation

**DRAFT** - Very early stage of schematic, ignore details.

**PRELIMINARY** - Close to final schematic.

**CHECKED** - There should not be any mistakes. Tell the engineer if you find one.

**RELEASED** - A board with this schematic has been sent to production.



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Page Contents:	EWD Base Board Project.SchDoc		Checked by
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# Elderly Wearable Device

## Variant: [No Variations]

11/08/2024  
Version 1

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DESIGN CONSIDERATIONS

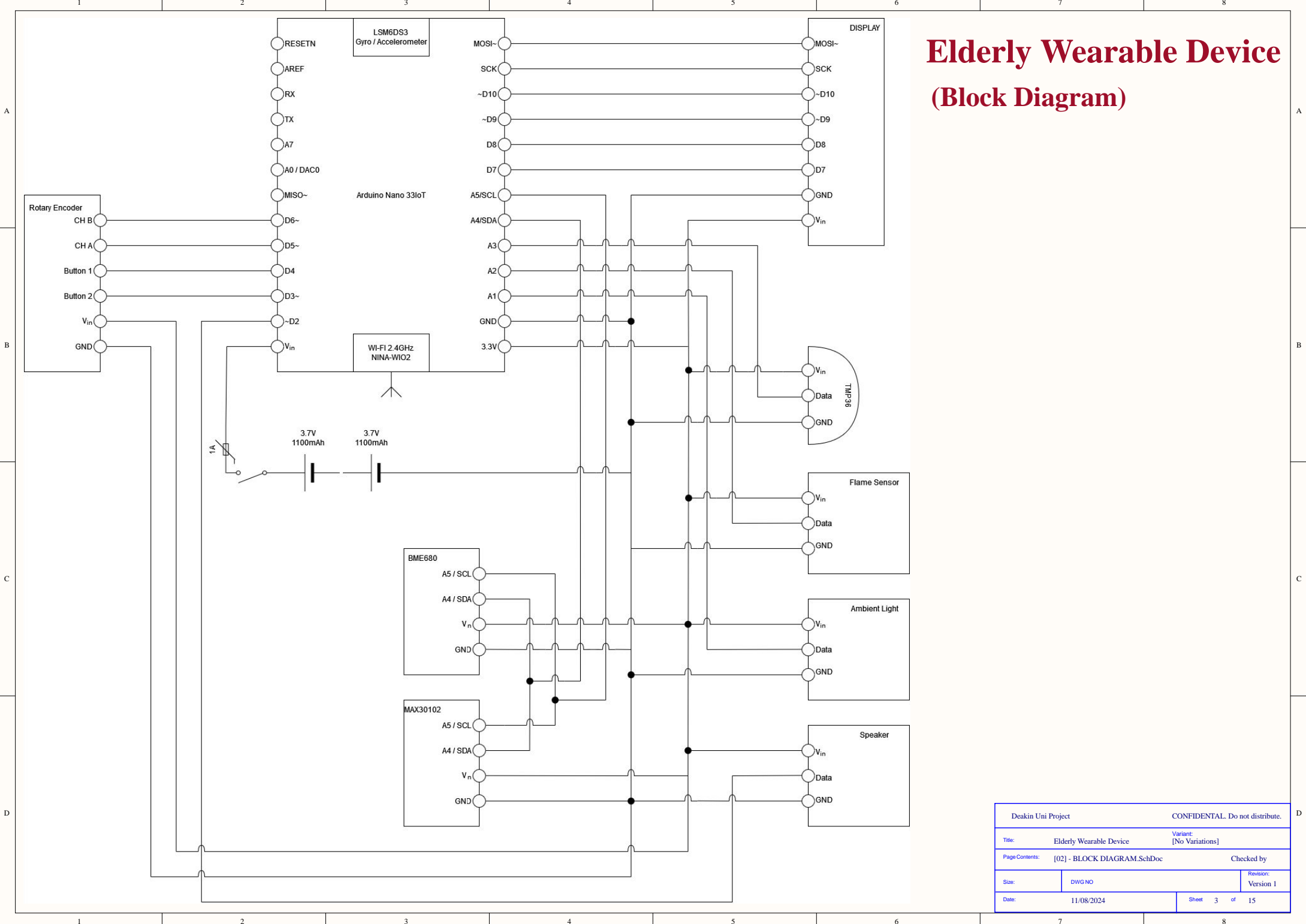
DESIGN NOTE:  
Example text for informational  
design notes.

DESIGN NOTE:  
Example text for critical  
design notes.

DESIGN NOTE:  
Example text for cautionary  
design notes.

LAYOUT NOTE:  
Example text for critical  
layout guidelines.

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# Elderly Wearable Device

## (Block Diagram)

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# Arduino Nano 33 IoT

A

B

C

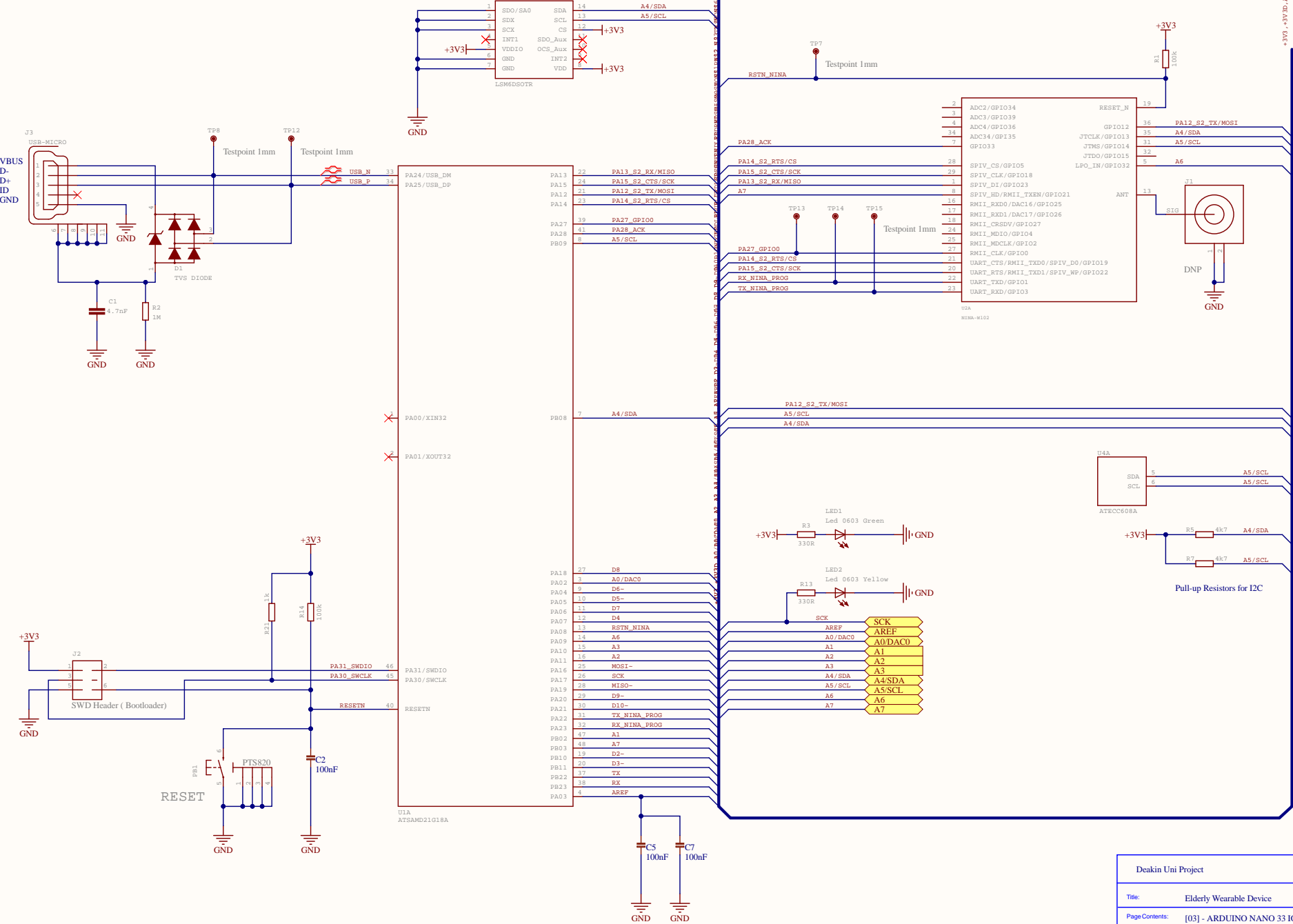
D

A

B

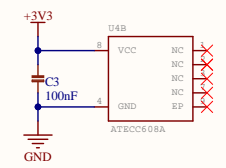
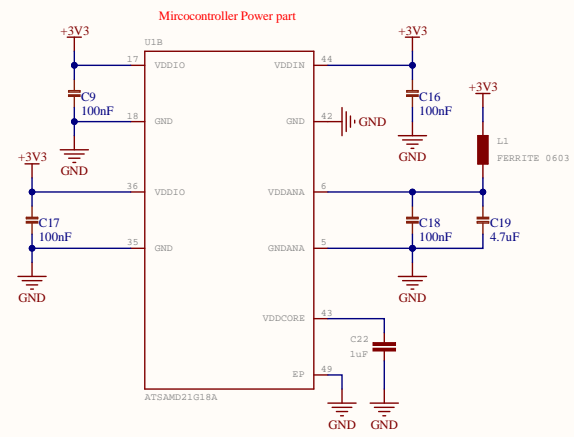
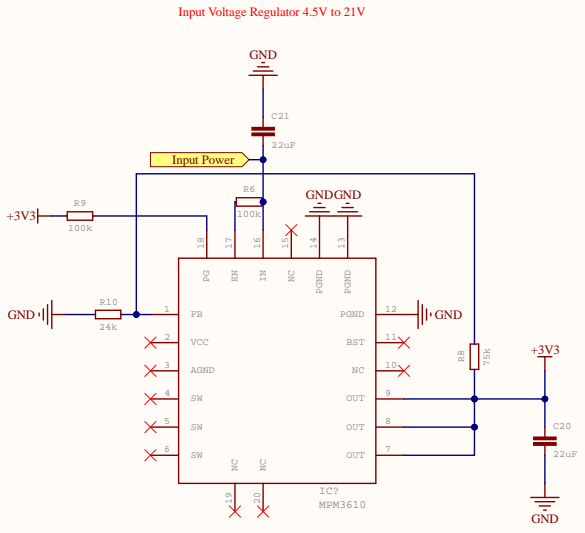
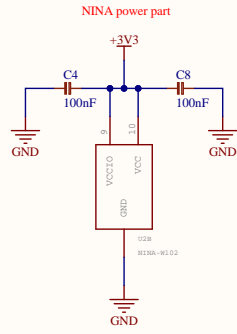
C

D



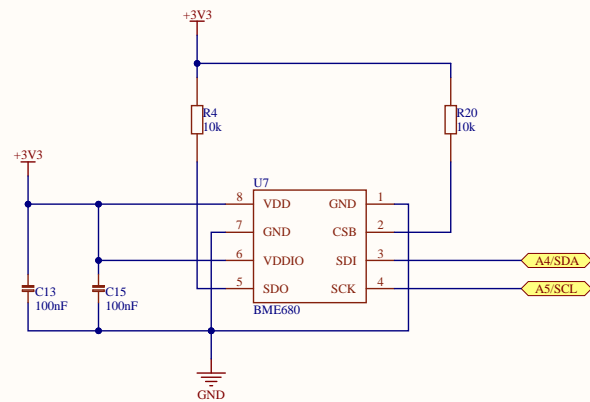
Deakin Uni Project		CONFIDENTIAL. Do not distribute.	
Title:	Elderly Wearable Device		Variant: [No Variations]
Page Contents:	[03] - ARDUINO NANO 33 IOT.SchDoc		Checked by
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# Arduino Nano 33 IoT Power



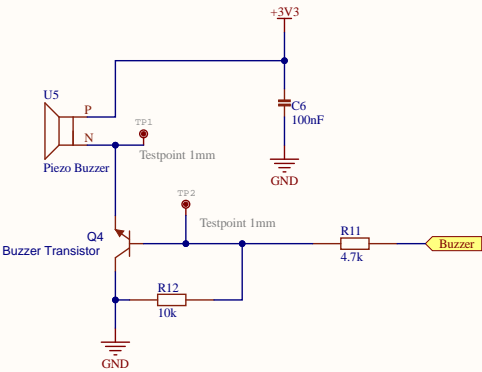
Deakin Uni Project		CONFIDENTIAL. Do not distribute.	
Title:	Elderly Wearable Device		Variant: [No Variations]
Page Contents:	[04] - ARDUINO NANO 33 IOT Power.SchDoc		Checked by
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# BME680 GAS, TEMP, HUMIDITY, PRESSURE SENSOR I2C



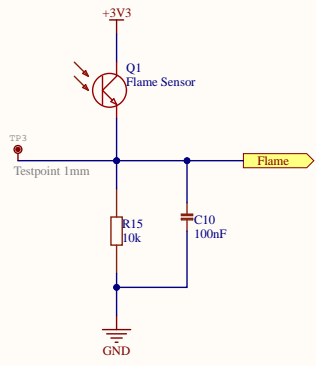
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Title: Elderly Wearable Device		Variant: [No Variations]	
Page Contents: [05] - BME680.SchDoc		Checked by	
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# BUZZER



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# FLAME SENSOR

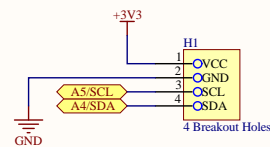


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Title: Elderly Wearable Device		Variant: [No Variations]	
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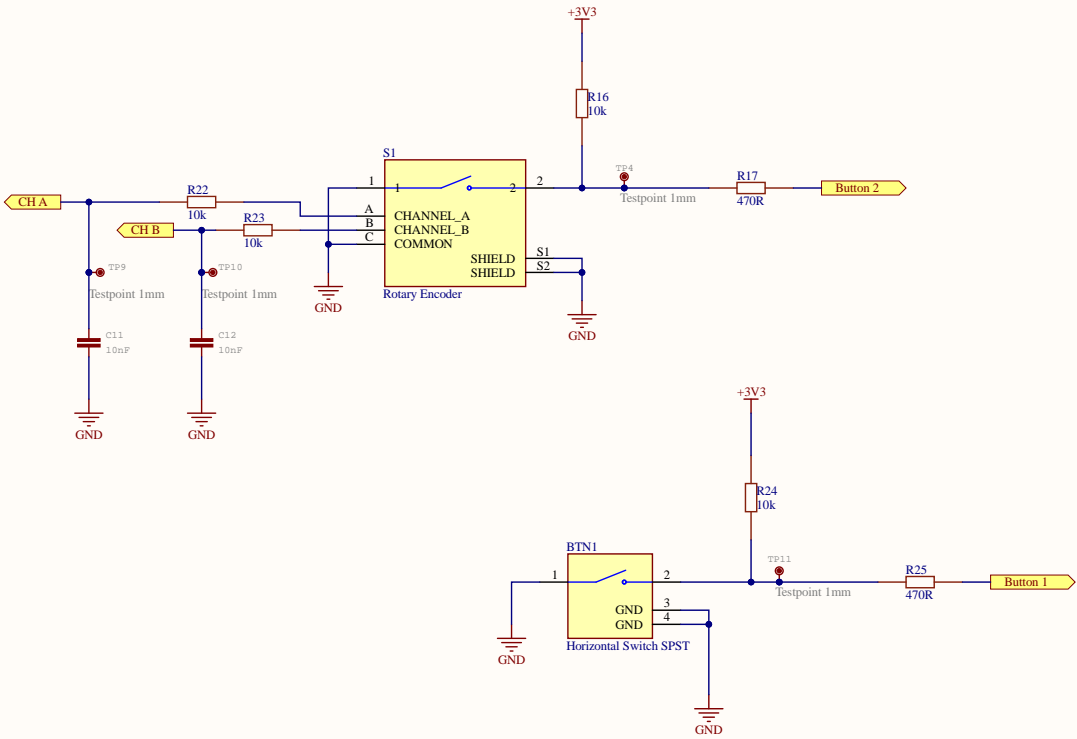
# MAX30102 HEART RATE & SPO2 SENSOR

Note: this sensor will be connected via 4 wire ribbon cable to the PCB



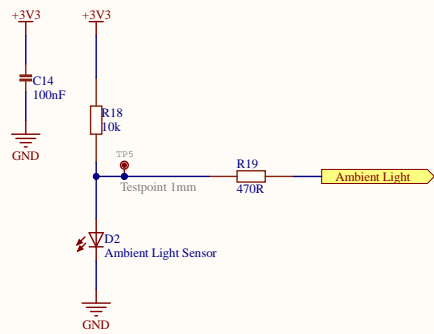
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Title: Elderly Wearable Device		Variant: [No Variations]	
Page Contents: [08] - MAX30102.SchDoc		Checked by:	
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# SWITCHES AND INPUTS



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Page Contents: [09] - SWITCHES AND INPUTS.SchDoc		Checked by	
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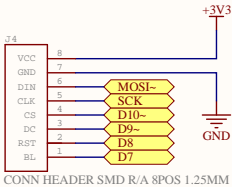
# AMBIENT LIGHT SENSOR



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Title: Elderly Wearable Device		Variant: [No Variations]	
Page Contents: [10] - AMBIENT LIGHT SENSOR.SchDoc		Checked by	
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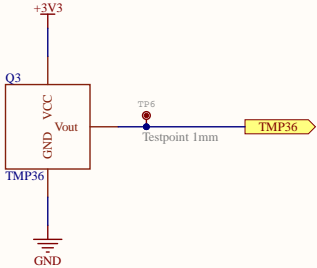
# RBG LCD DISPLAY SPI

Note: the display is an external module, connected to the PCB via a disconnectable cable

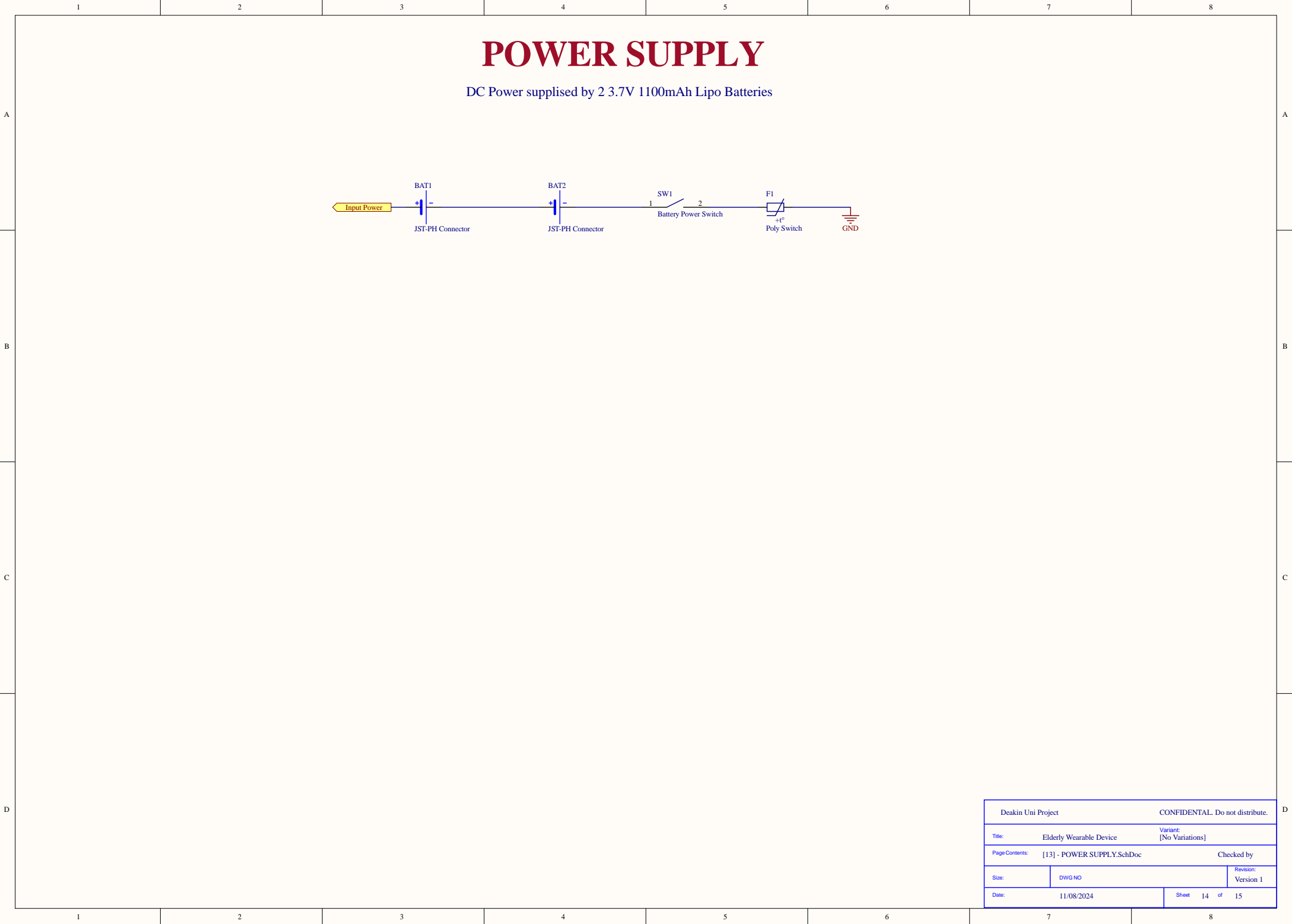


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Title: Elderly Wearable Device		Variant: [No Variations]	
Page Contents: [11] - RGB LCD DISPLAY SPLSchDoc		Checked by	
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# TMP36 TEMPERATURE SENSOR



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A	<div>DOC: REVISION HISTORY</div>							A
B								B
C								C
D							<div><div><div><div><div>Deakin Uni Project</div><div>CONFIDENTAL. Do not distribute.</div></div><div><div>Title: Elderly Wearable Device</div><div>Variant: [No Variations]</div></div><div><div>Page Contents: [14] - DOC REVISION HISTORY.SchDoc</div><div>Checked by</div></div><div><div>Size: DWG NO</div><div>Revision: Version 1</div></div><div><div>Date: 11/08/2024</div><div>Sheet 15 of 15</div></div></div></div></div>	D
1	2	3	4	5	6	7	8	

CLOCKS (CDL & PCL)

