

[01] - COVER PAGE.SchDoc

[02] - BLOCK DIAGRAM.SchDoc

[14] - DOC REVISION HISTORY.SchDoc

TEMPLATE NOTES

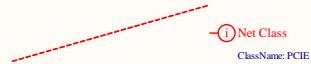
Set Project Parameters

- 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

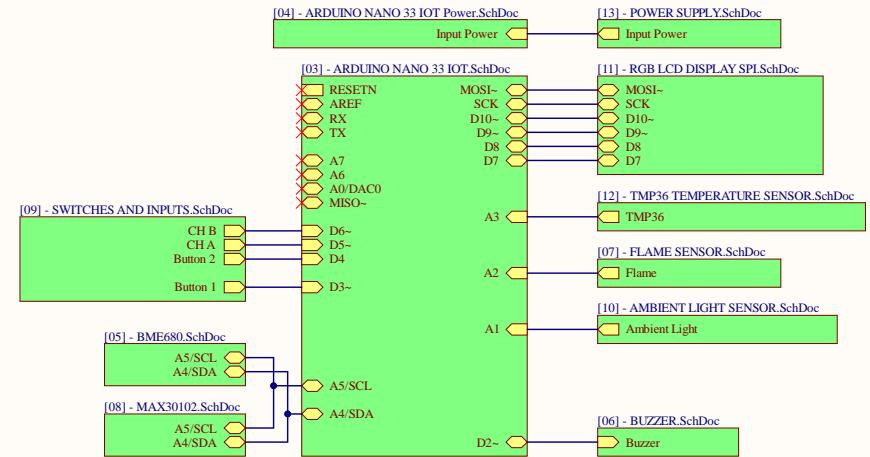
Schematic Status Explanation

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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Title:	Elderly Wearable Device	Variant:	[No Variations]
Page Contents:	EWD Base Board Project.SchDoc		Checked by
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Elderly Wearable Device

Variant: [No Variations]

8/08/2024
Version 1

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DESIGN CONSIDERATIONS

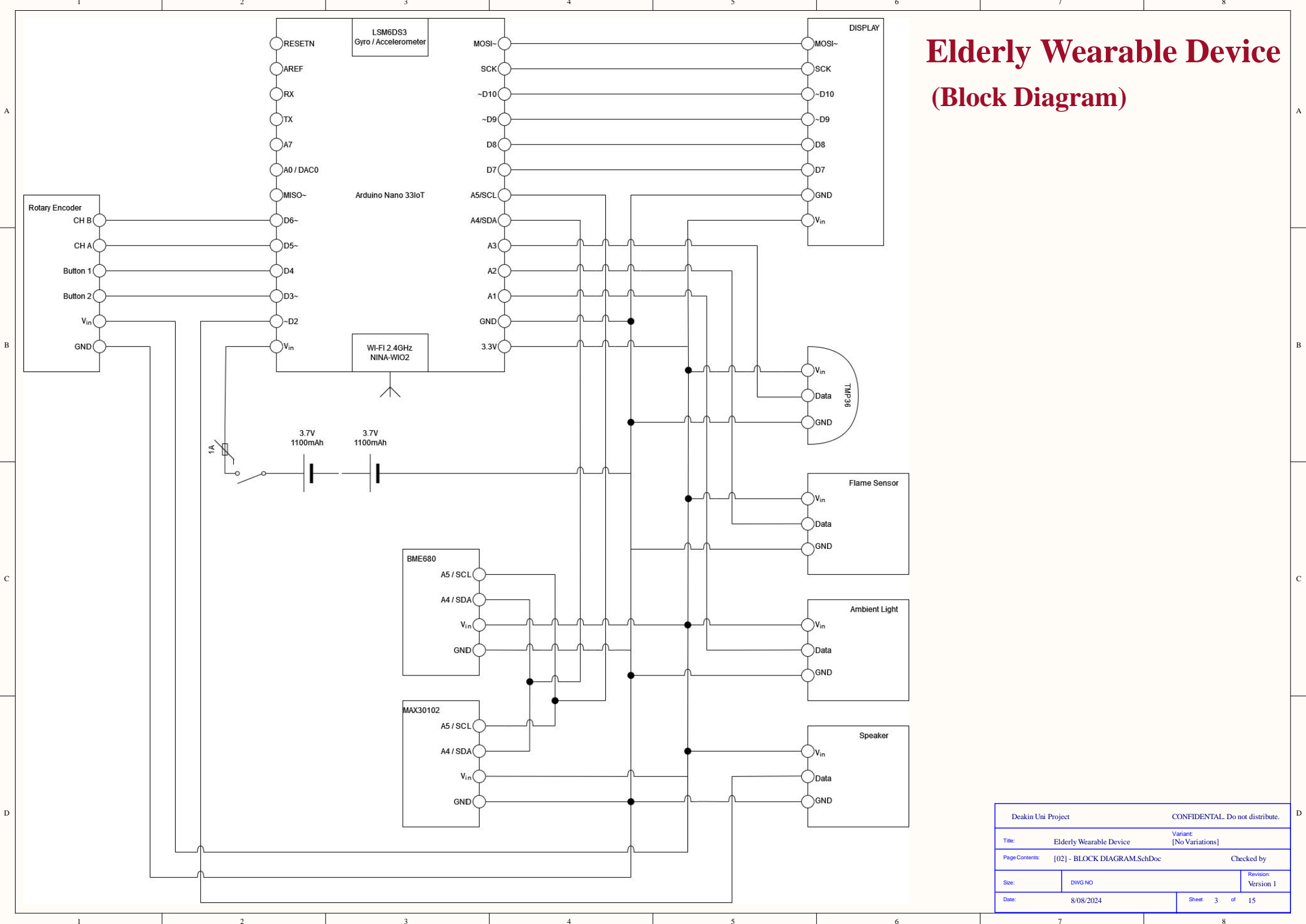
DESIGN NOTE:
Example text for informational
design notes .

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

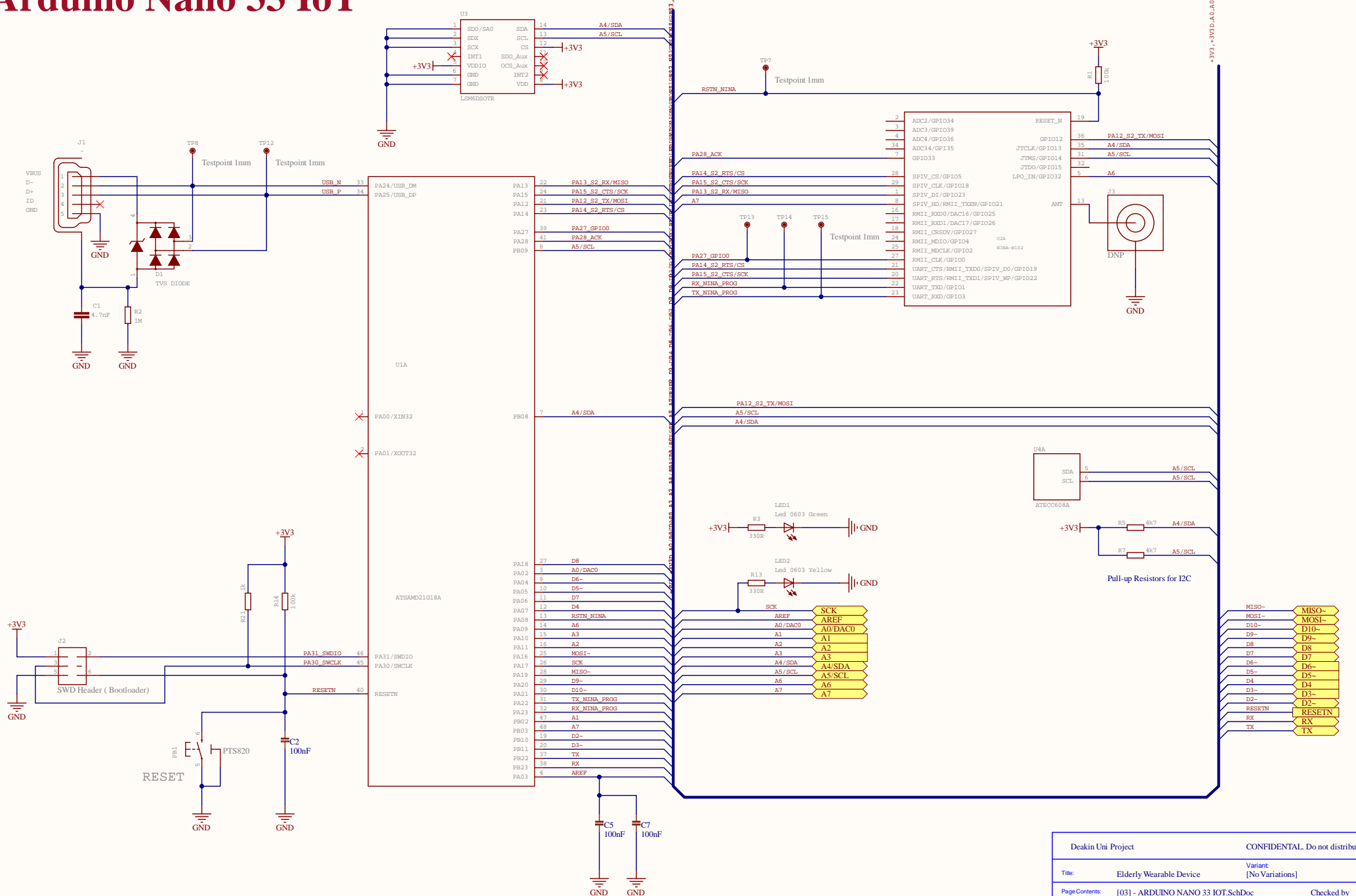
D

A

B

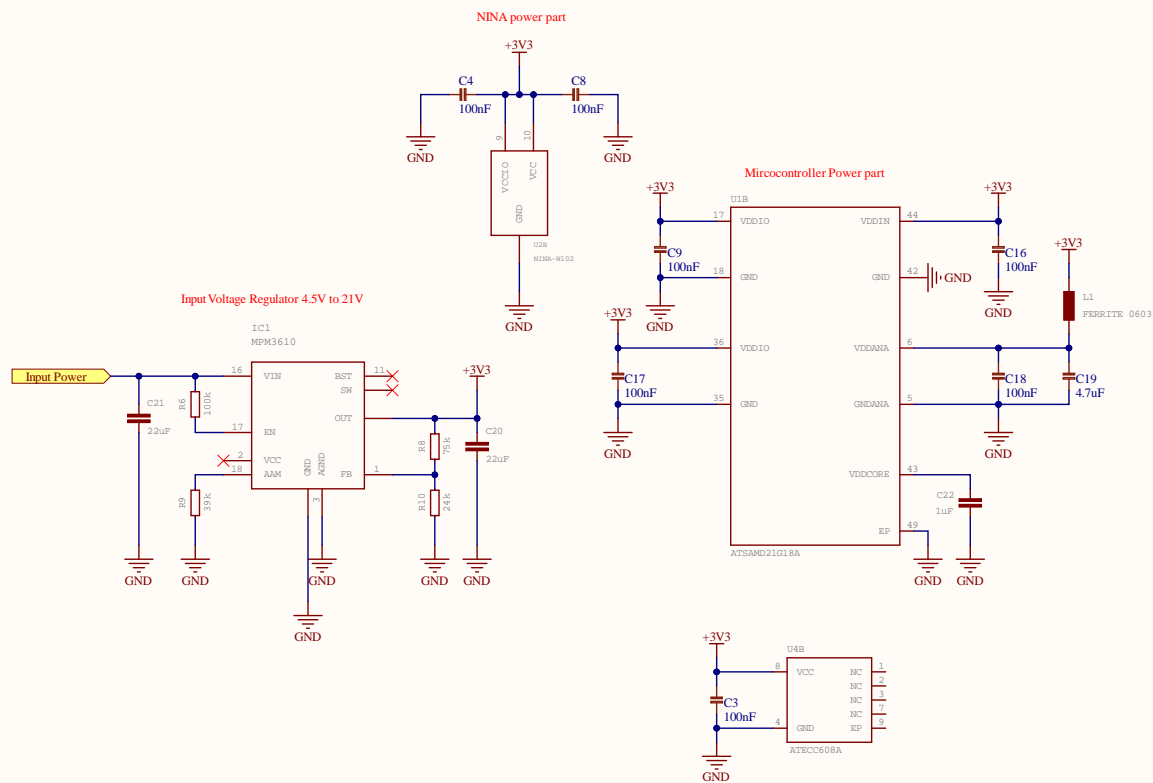
C

D



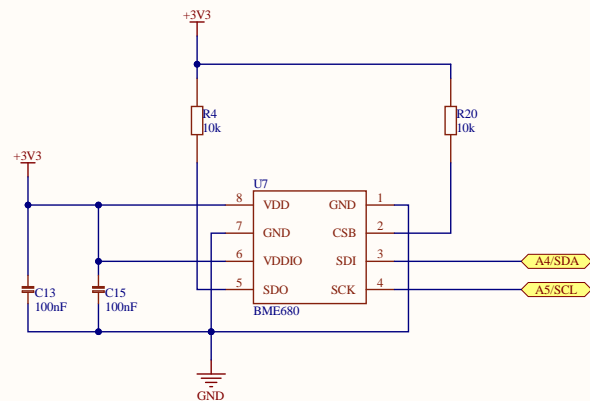
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Title: Elderly Wearable Device		Variant: [No Variations]	
Page Contents: [03] - ARDUINO NANO 33 IOT.SchDoc		Checked by:	
Size:	DWG NO	Revision: Version 1	
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Arduino Nano 33 IoT Power



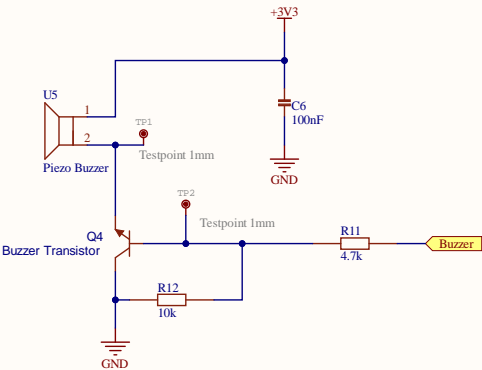
Deakin Uni Project		CONFIDENTIAL. Do not distribute.	
Title: Elderly Wearable Device		Variant: [No Variations]	
Page Contents: [04] - ARDUINO NANO 33 IOT Power.SchDoc		Checked by:	
Size:	DWG NO		Revision: Version 1
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BME680 GAS, TEMP, HUMIDITY, PRESSURE SENSOR I2C



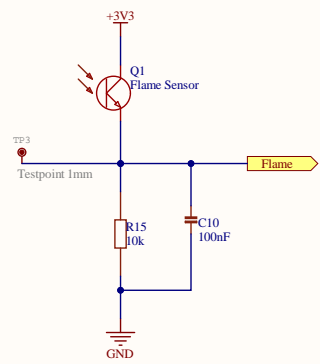
Deakin Uni Project		CONFIDENTIAL. Do not distribute.	
Title: Elderly Wearable Device		Variant: [No Variations]	
Page Contents: [05] - BME680.SchDoc		Checked by	
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BUZZER



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Page Contents: [06] - BUZZER.SchDoc		Checked by	
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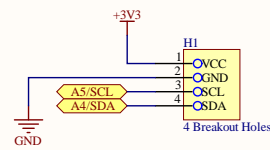
FLAME SENSOR



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Title: Elderly Wearable Device		Variant: [No Variations]	
Page Contents: [07] - FLAME SENSOR.SchDoc		Checked by	
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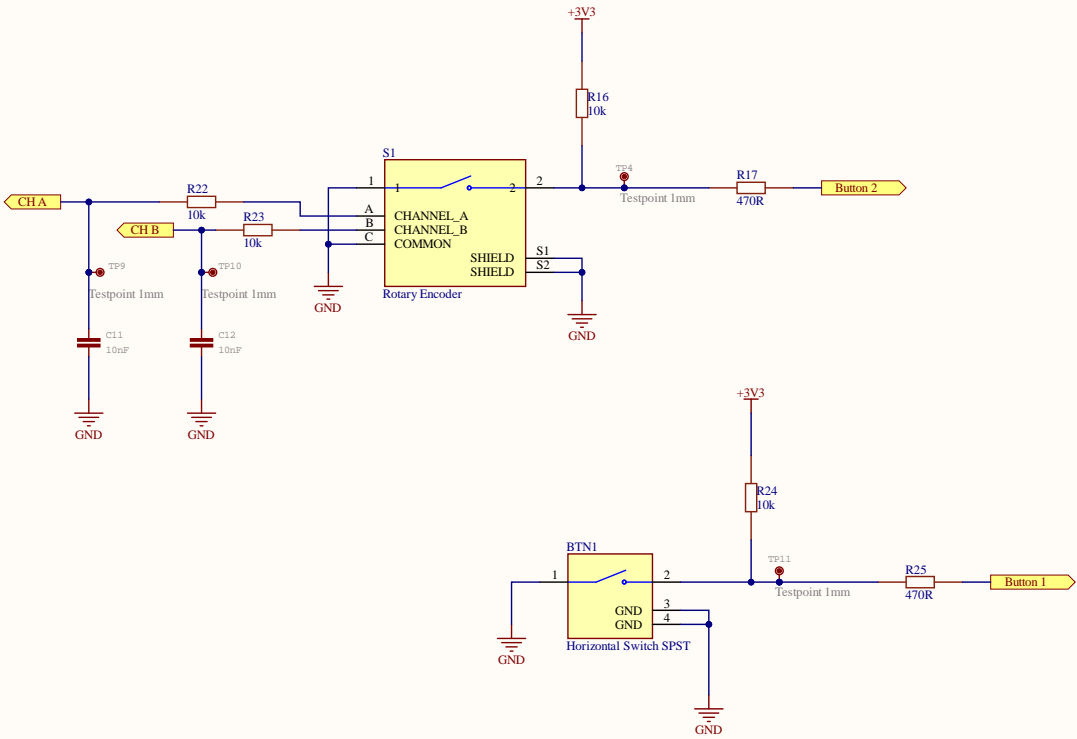
MAX30102 HEART RATE & SPO2 SENSOR

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



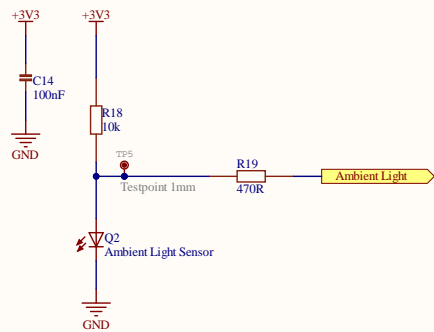
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Title: Elderly Wearable Device		Variant: [No Variations]	
Page Contents: [08] - MAX30102.SchDoc		Checked by:	
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SWITCHES AND INPUTS



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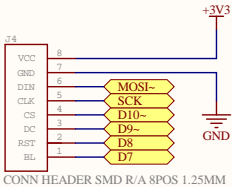
AMBIENT LIGHT SENSOR



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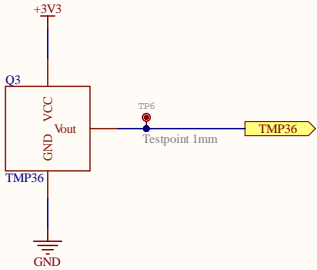
RBG LCD DISPLAY SPI

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

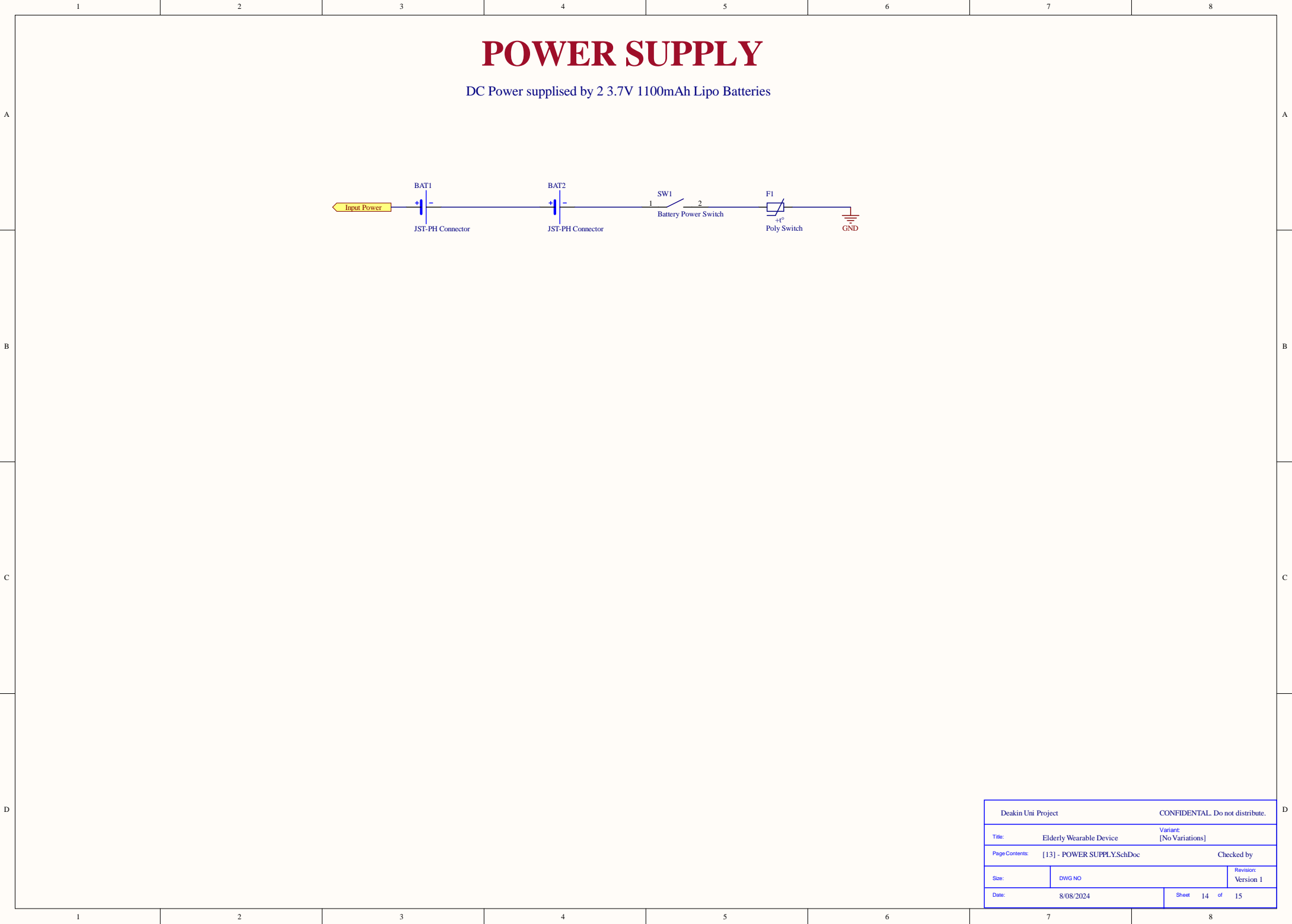


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TMP36 TEMPERATURE SENSOR



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<div>DOC: REVISION HISTORY</div>								
A								A
B								B
C								C
D								D
1	2	3	4	5	6	7	8	

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CLOCKS (CDL & PCL)

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