

IoT DevKit

Variant: [No Variations]

06/12/2022
V1I1

DRAFT

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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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A

B

C

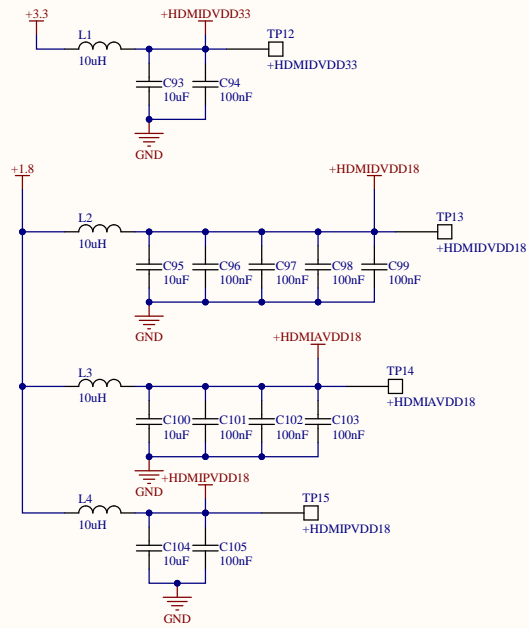
D

A

B

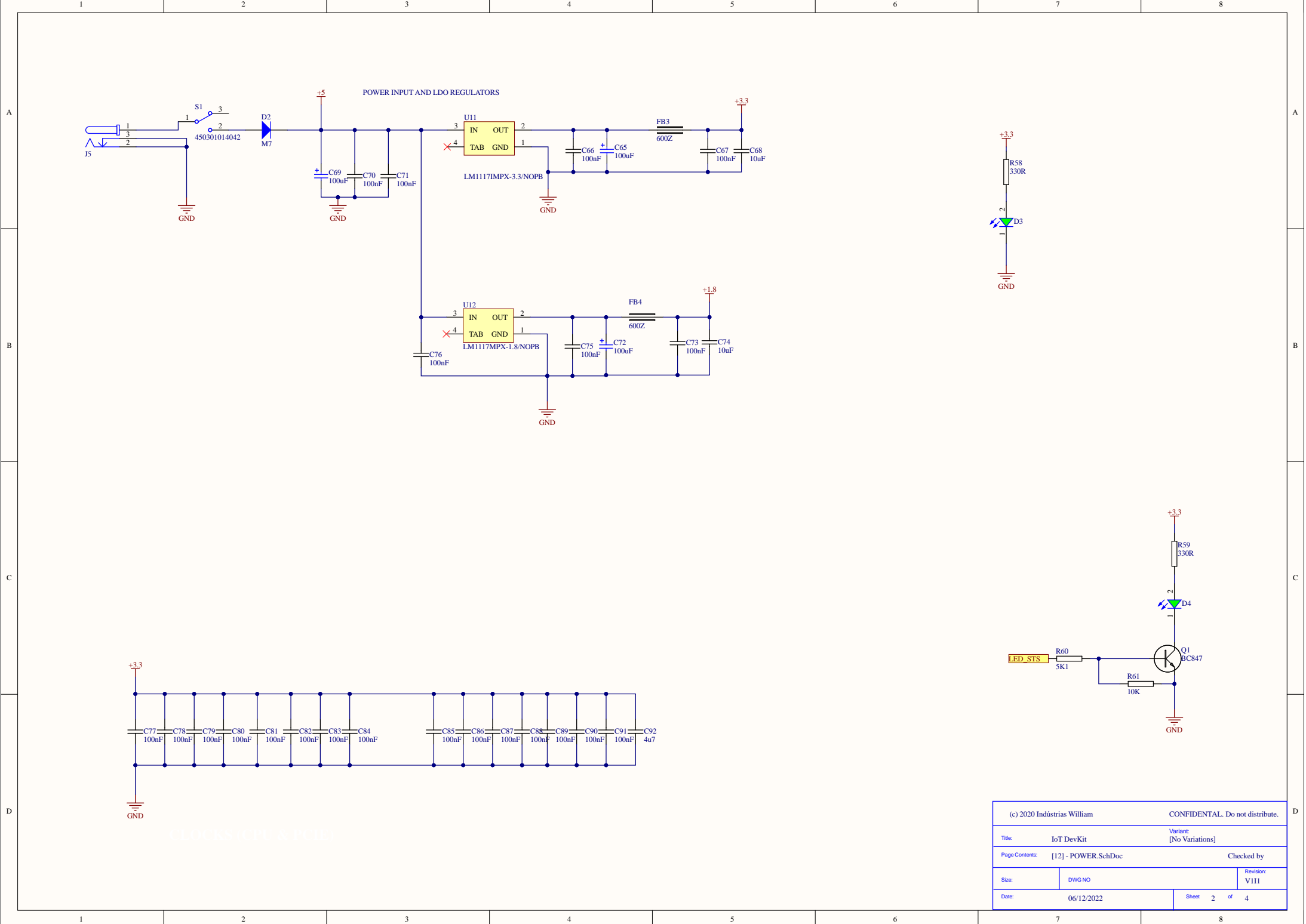
C

D

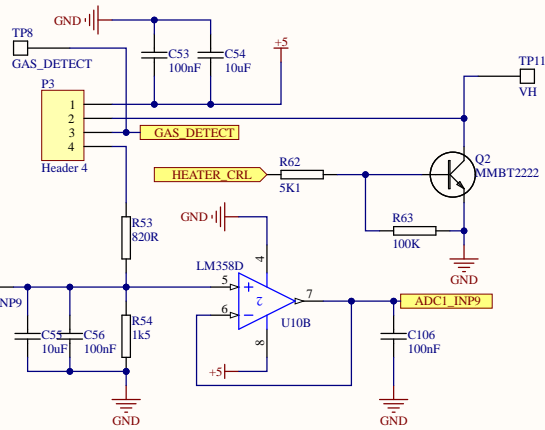


CLOCKS (CPU & D01E)

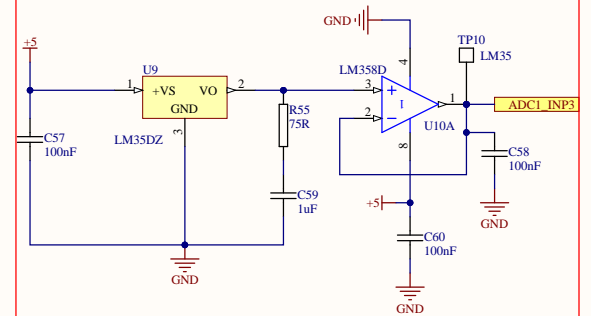
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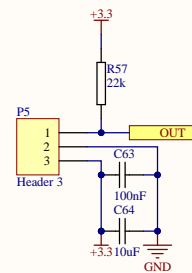
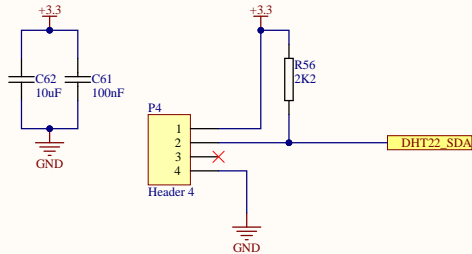
SENSOR GAS



SENSOR TEMPERATURA

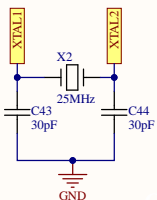
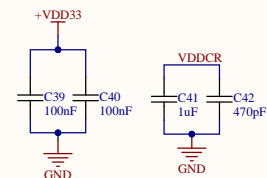
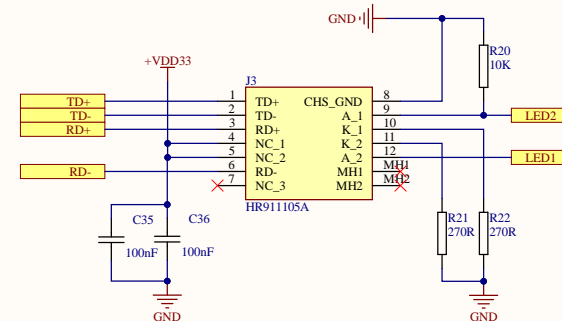


SENSOR DE UMIDADE E TEMPERATURA



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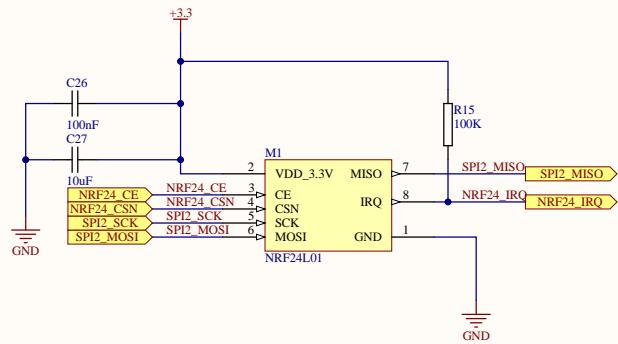
D

A

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A

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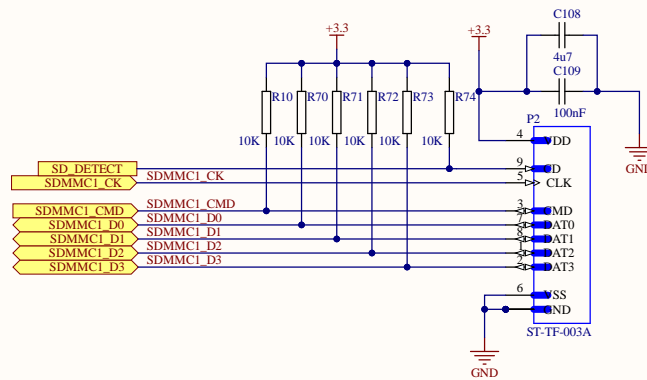
D

A

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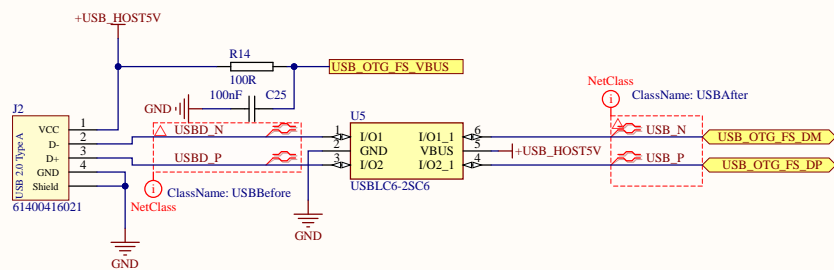
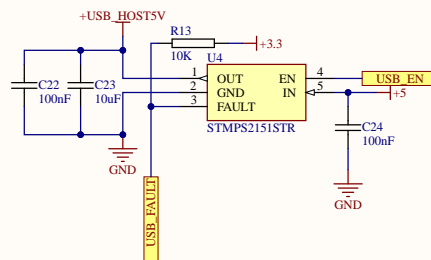
C

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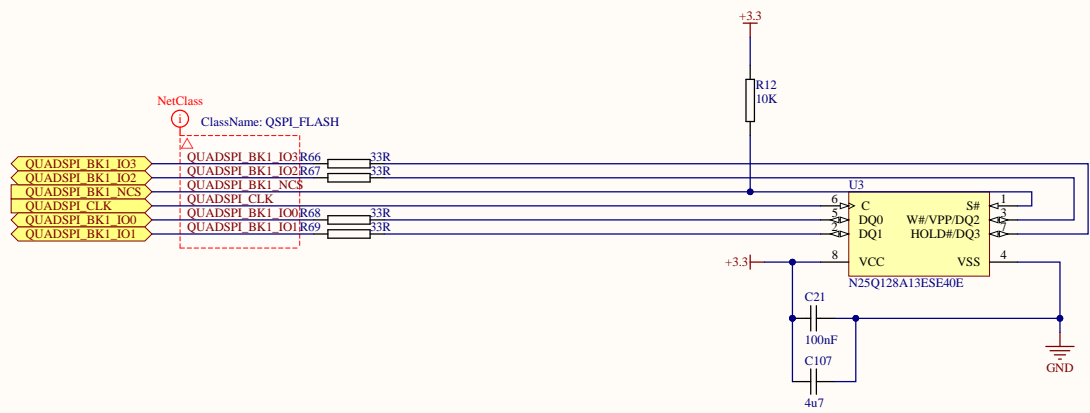
D

A

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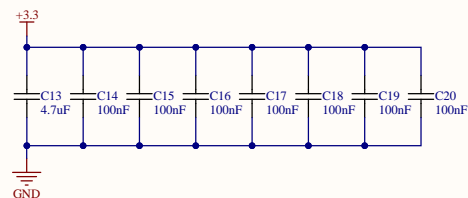
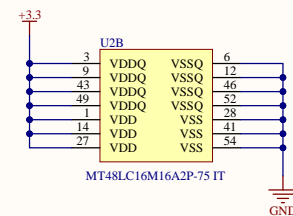
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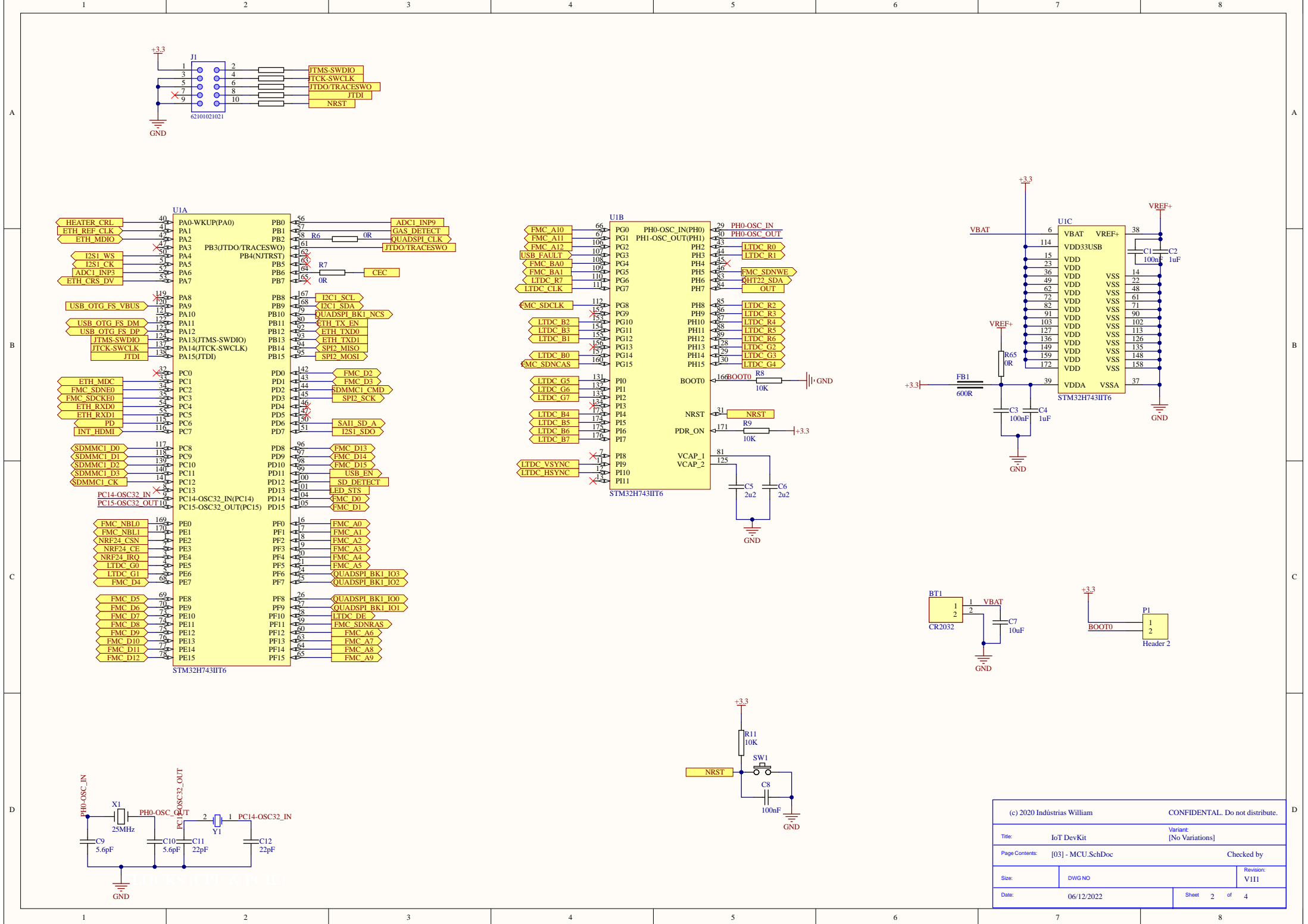
D



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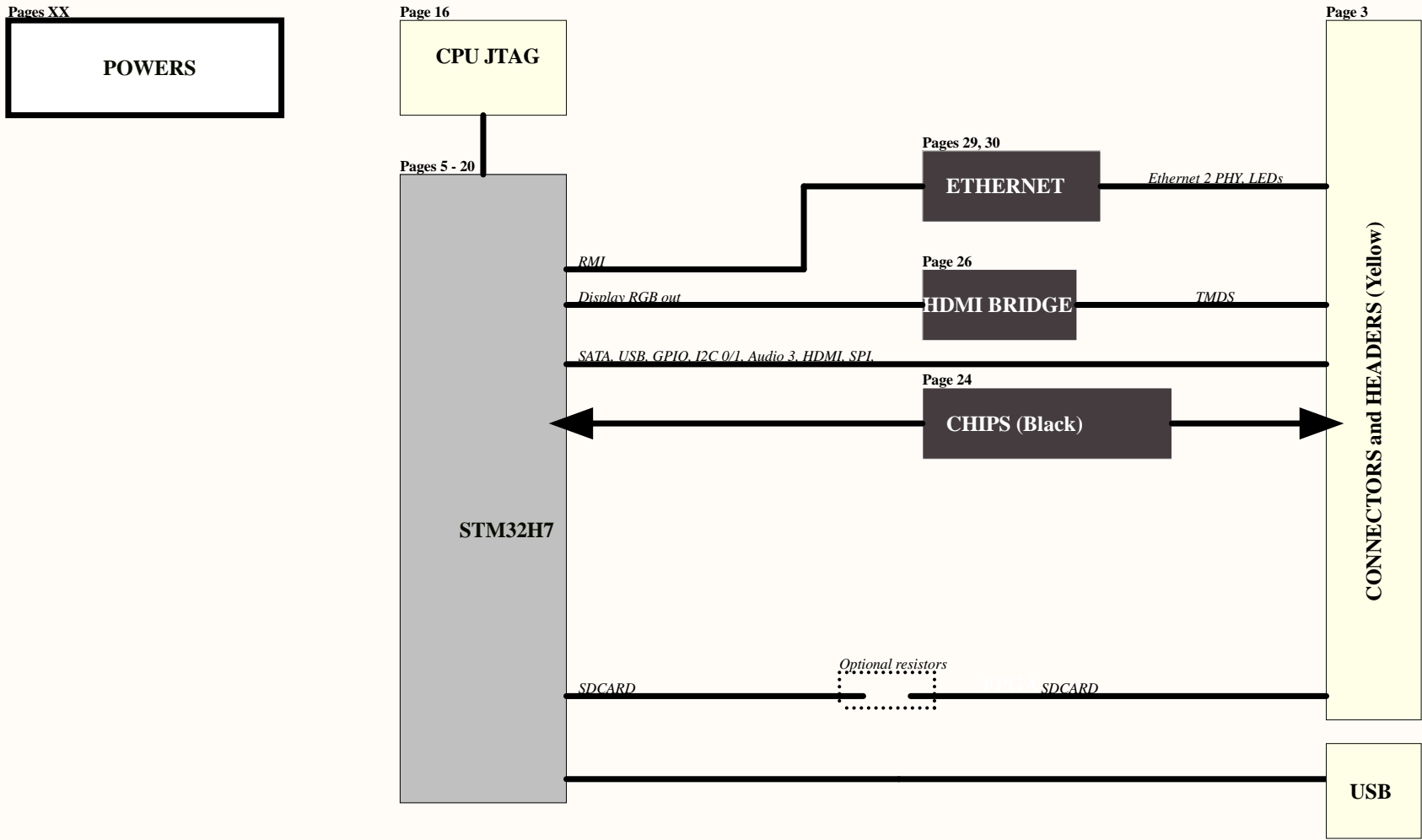
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IoT DevKit

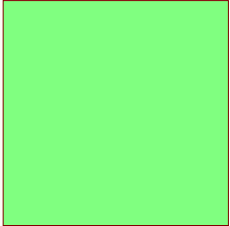
(Block Diagram)



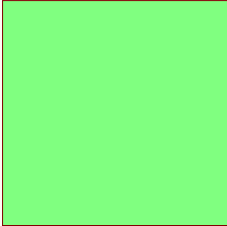
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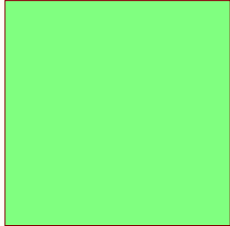
Designator
[01] - COVER PAGE.SchDoc



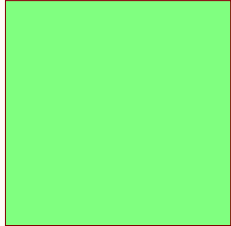
Designator
[02] - BLOCK DIAGRAM.SchDoc



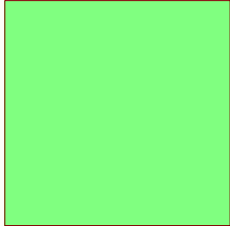
Designator
[14] - DOC REVISION HISTORY.SchDoc



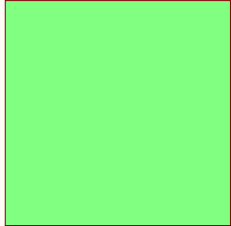
Designator
[03] - MCU.SchDoc



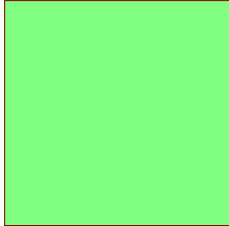
Designator
[04] - SDRAM.SchDoc



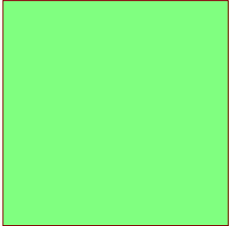
Designator
[05] - NOR_FLASH.SchDoc



Designator
[06] - USB_HOST.SchDoc



Designator
[07] - MICRO SD_CARD.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

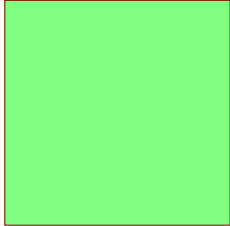
DRAFT - Very early stage of schematic, ignore details.

PRELIMINARY - Close to final schematic.

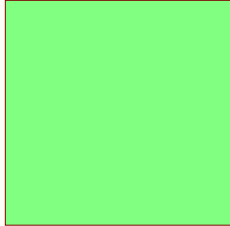
CHECKED - There should not be any mistakes. Tell the engineer if you find one.

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

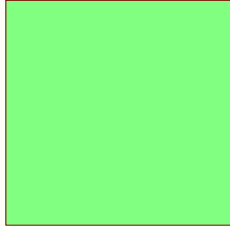
Designator
[08] - WIRELESS.SchDoc



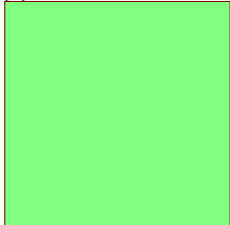
Designator
[09] - ETHERNET.SchDoc



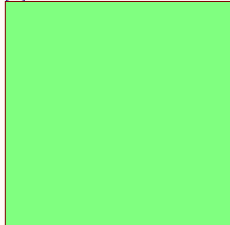
Designator
[10] - HDMI.SchDoc



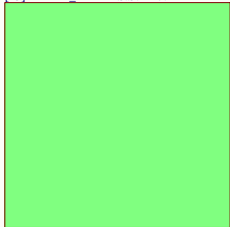
Designator
[11] - SENSORS.SchDoc



Designator
[12] - POWER.SchDoc



Designator
[13] - HDMI_FILTERS.SchDoc



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