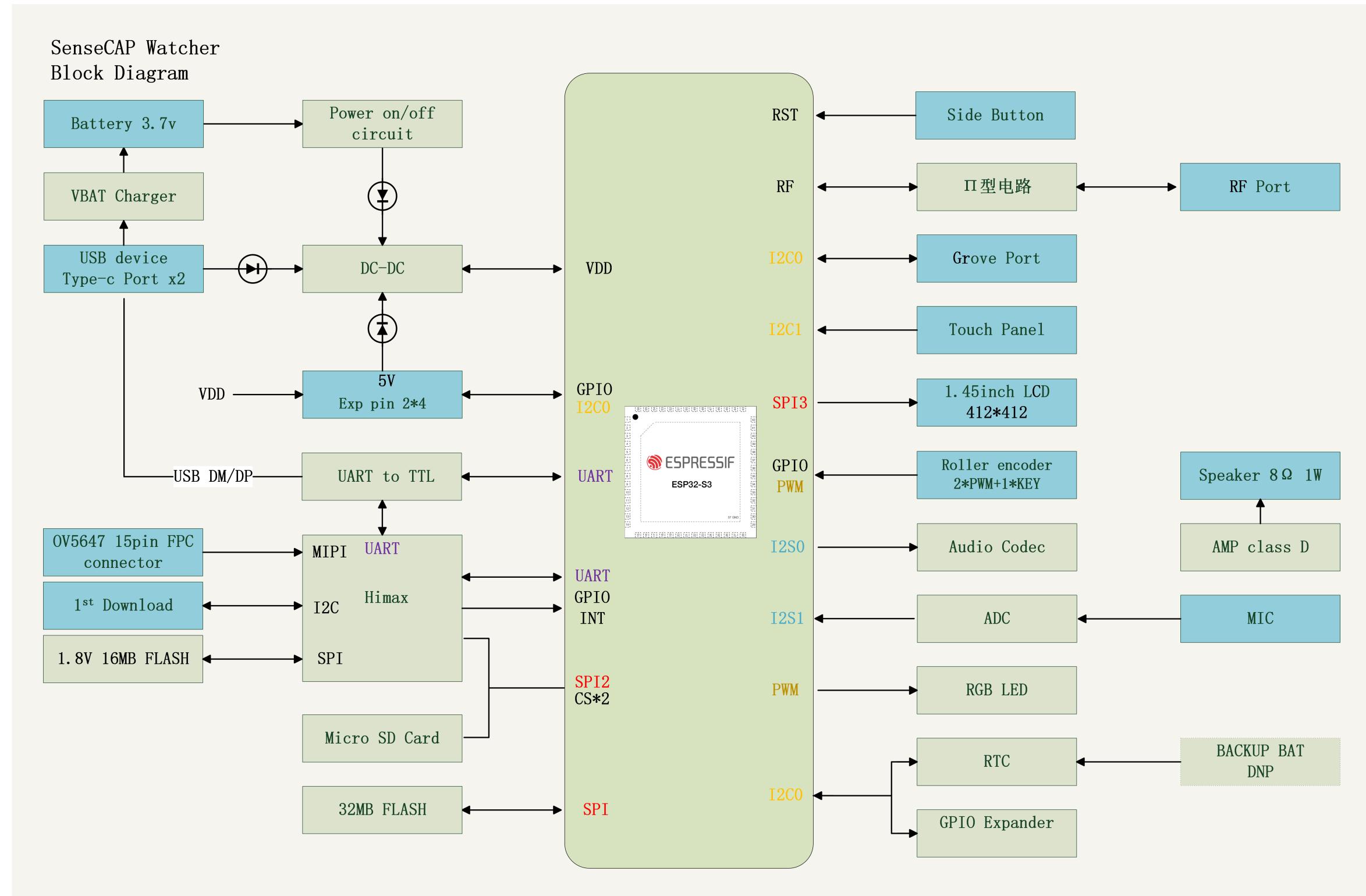


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Sheet: /  
File: SenseCAP Watcher v1.0.kicad\_sch

<b>Title: SenenCAP Watcher</b>		
Size: B	Date: 2024/1/29	Design:
KiCad E.D.A. 8.0.0		Rev: A1 Id: 1/11



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Sheet: /Block Diagram/  
File: Block Diagram.kicad\_sch

## Title: SenenCAP Watch

Size: B Date: 2024/1

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7

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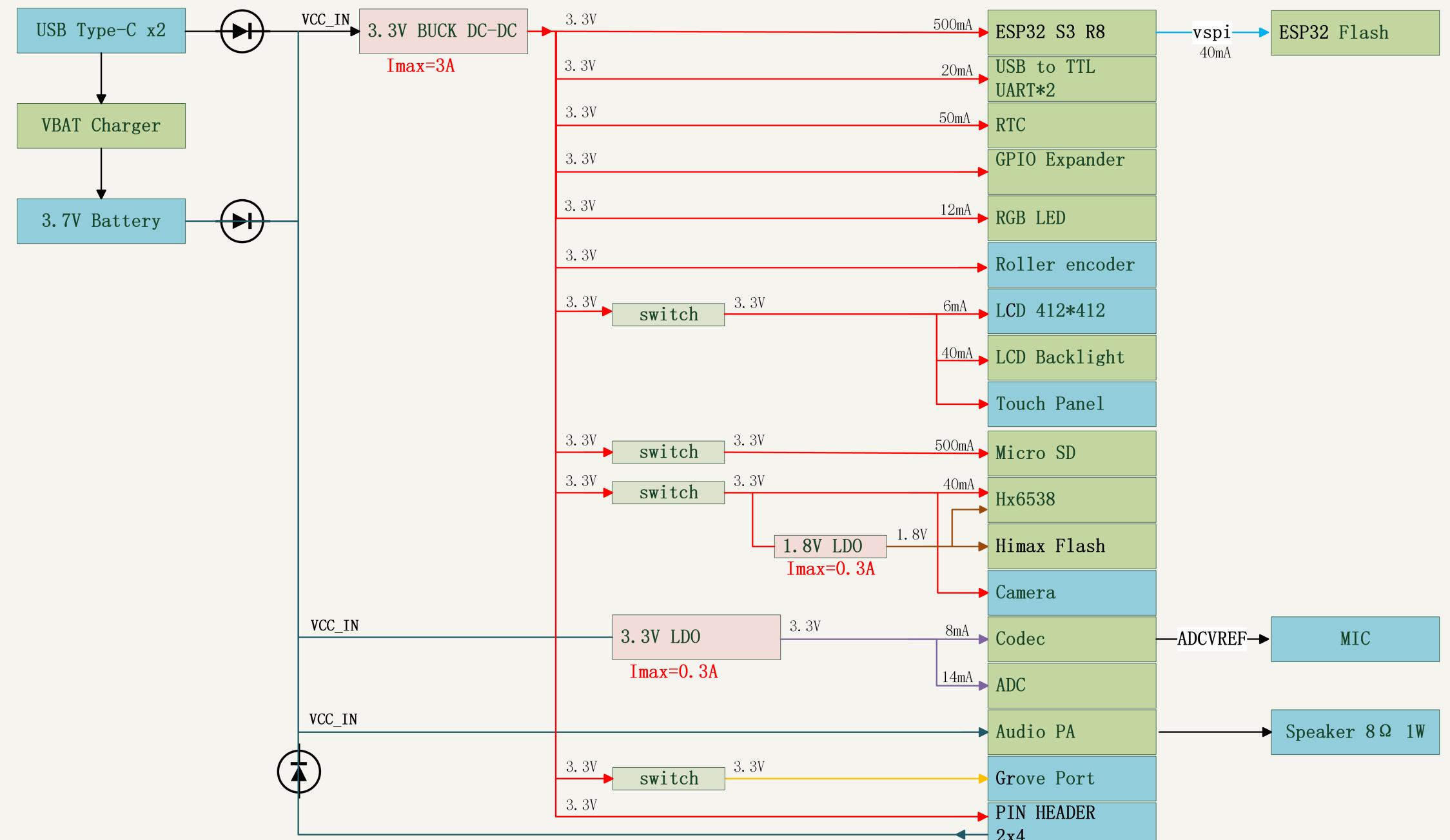
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## SenseCAP Watcher Power Topology



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File: Power Topology.kicad\_sch

**Title: SenenCAP Watcher**

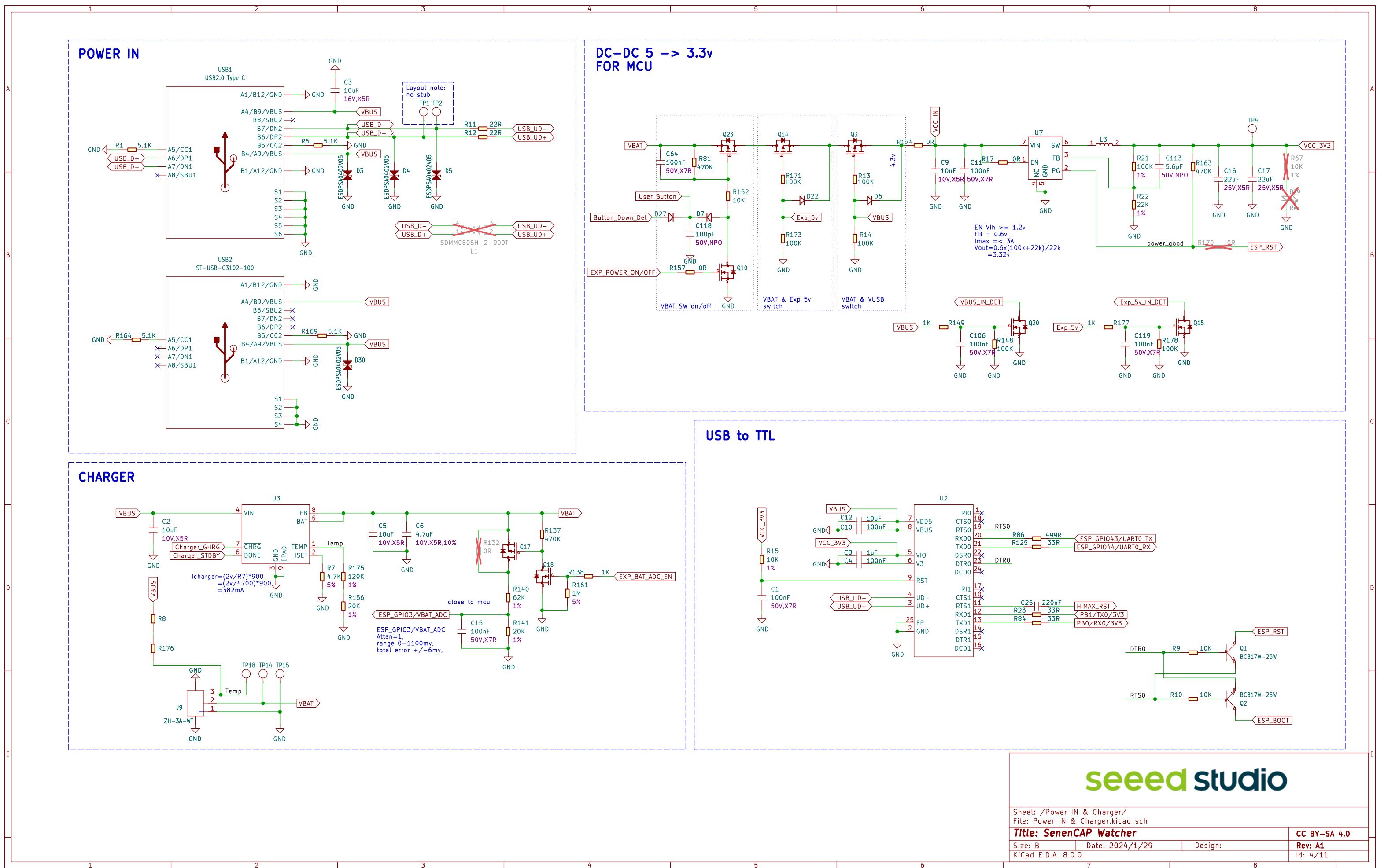
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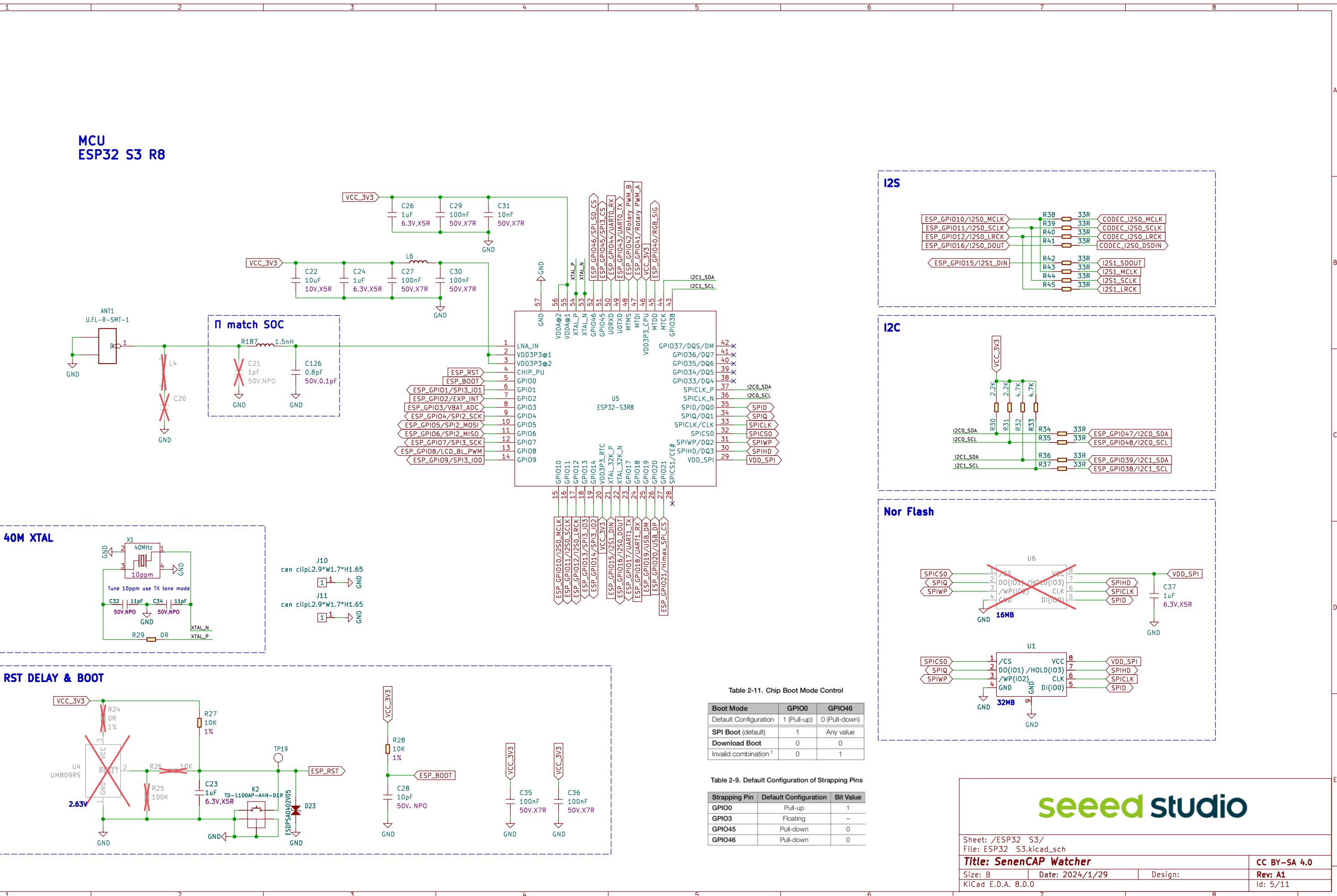
KiCad E.D.A. 8.0.0

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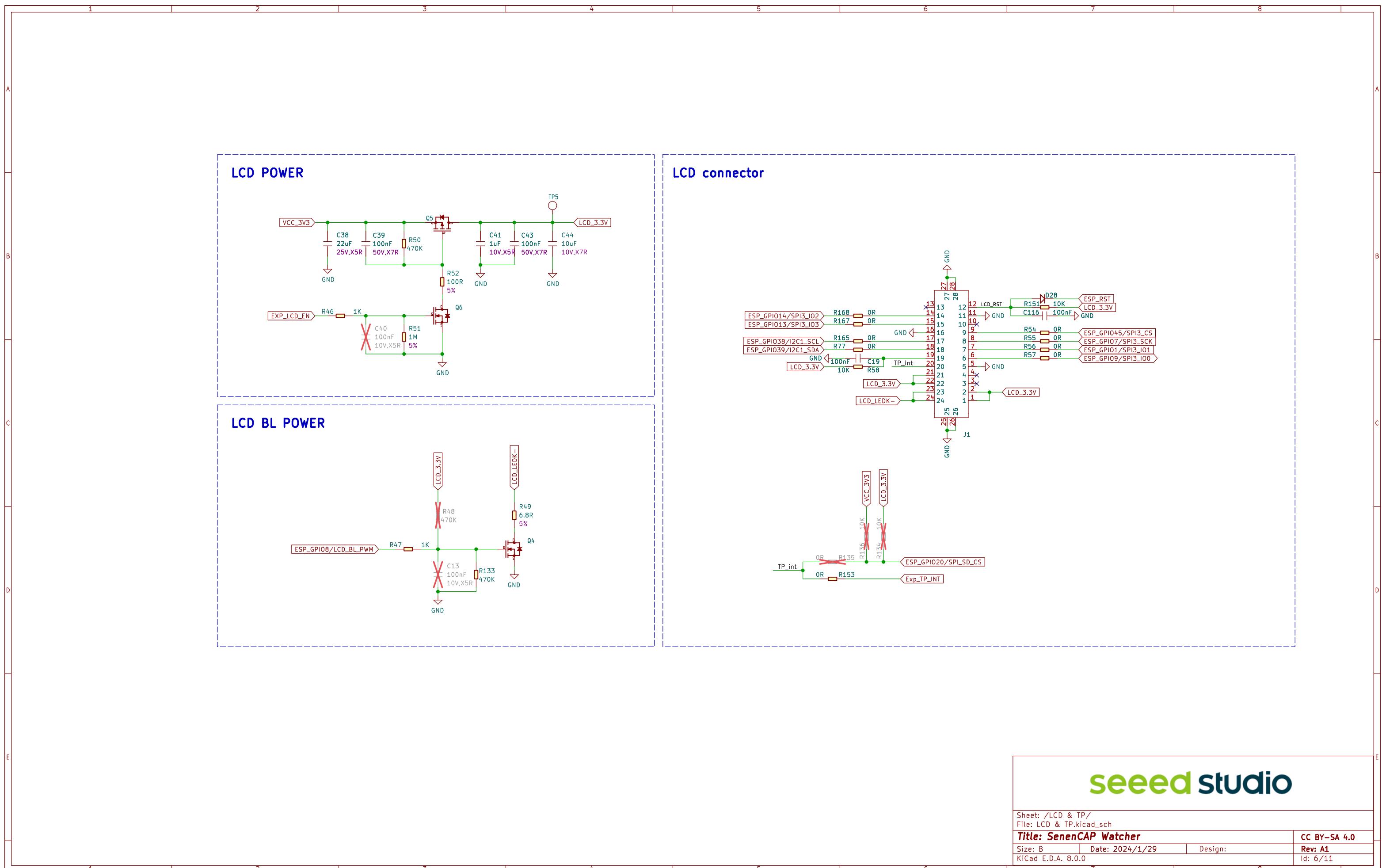
Rev: A1

Id: 3/11





1 2 3 4 5 6 7 8



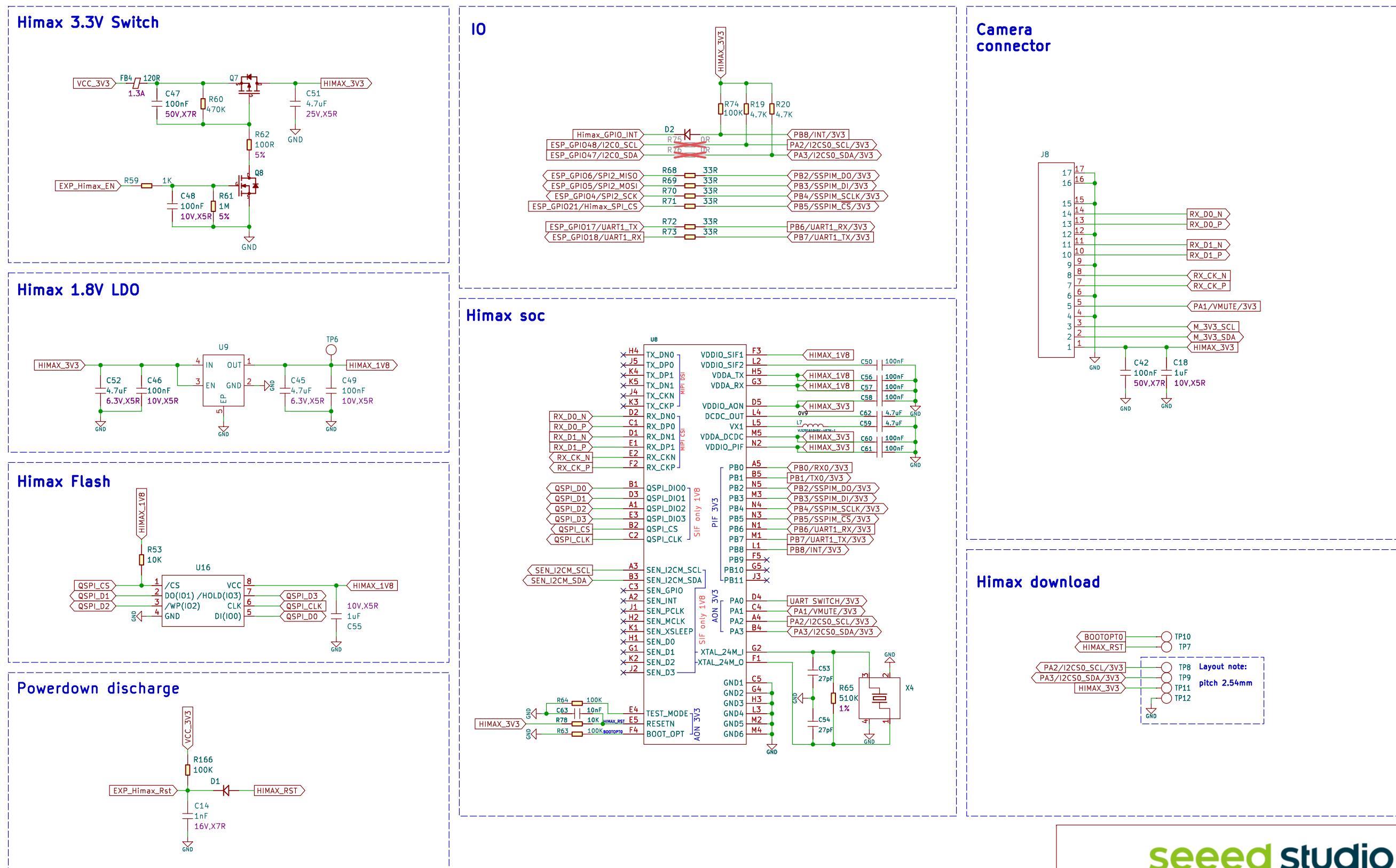
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Sheet: /LCD & TP/  
File: LCD & TP.kicad\_sch

Title: SenenCAP Watcher

Size: B	Date: 2024/1/29	Design:	CC BY-SA 4.0
KiCad E.D.A. 8.0.0			Rev: A1
			Id: 6/11

1 2 3 4 5 6 7 8



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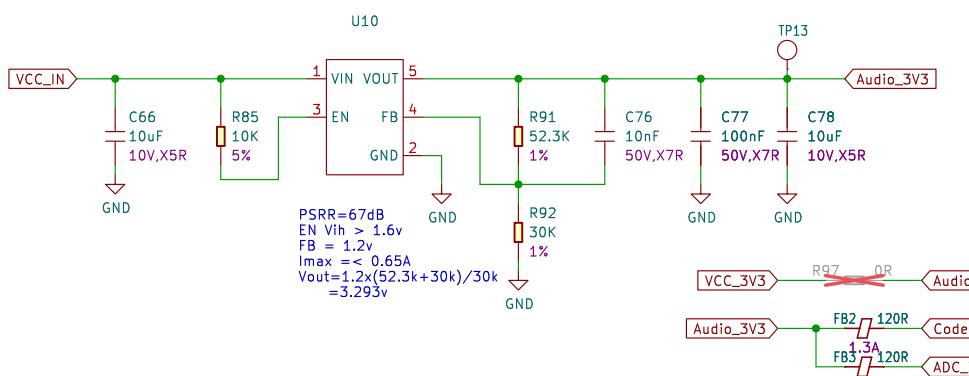
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Title: SenenCAP Watcher

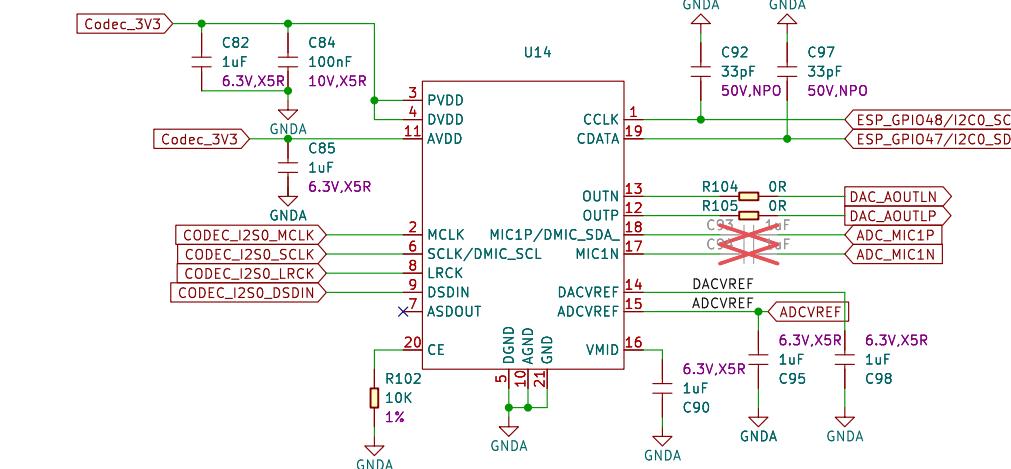
Size: B Date: 2024/1/29 Design:

Rev: A1 KiCad E.D.A. 8.0.0 Id: 7/11

## AUDIO 3.3v

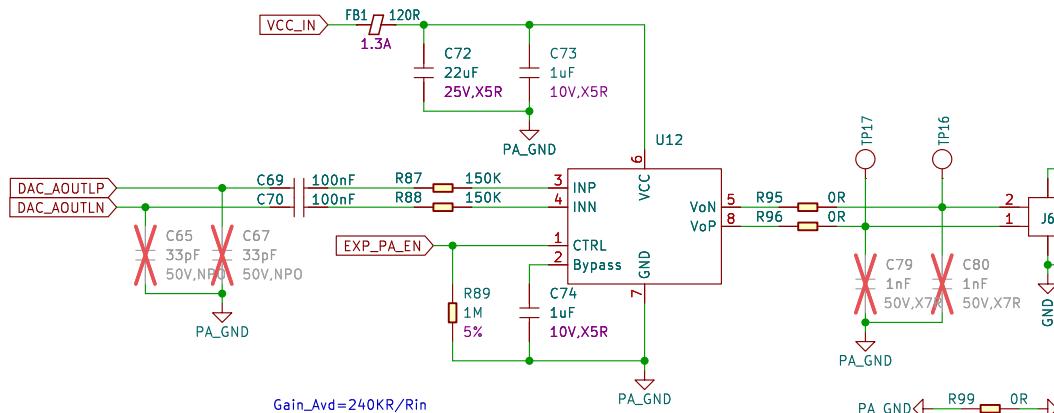


## CODEC

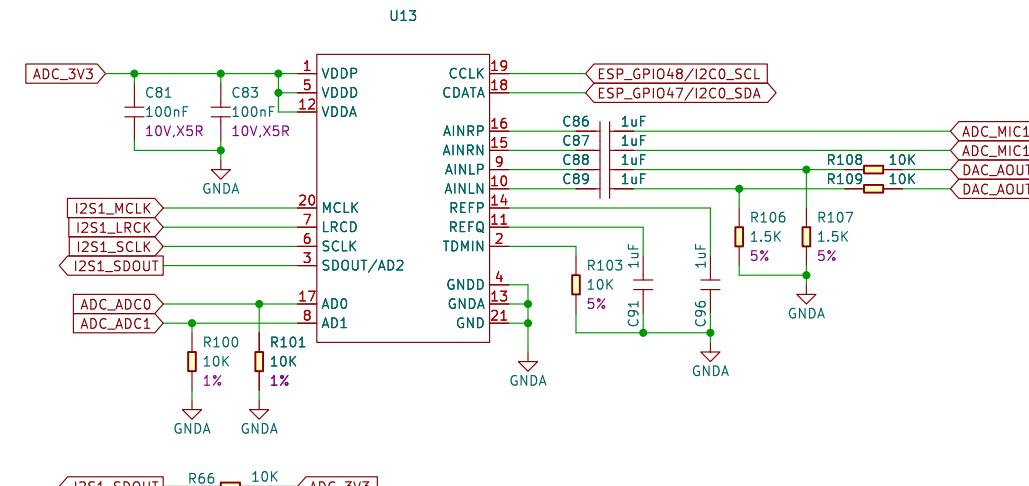


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## PA & Speaker

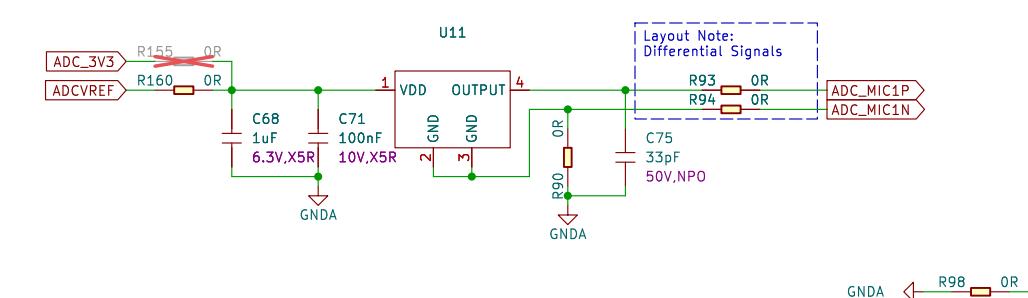


## ADC



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## AMICx1



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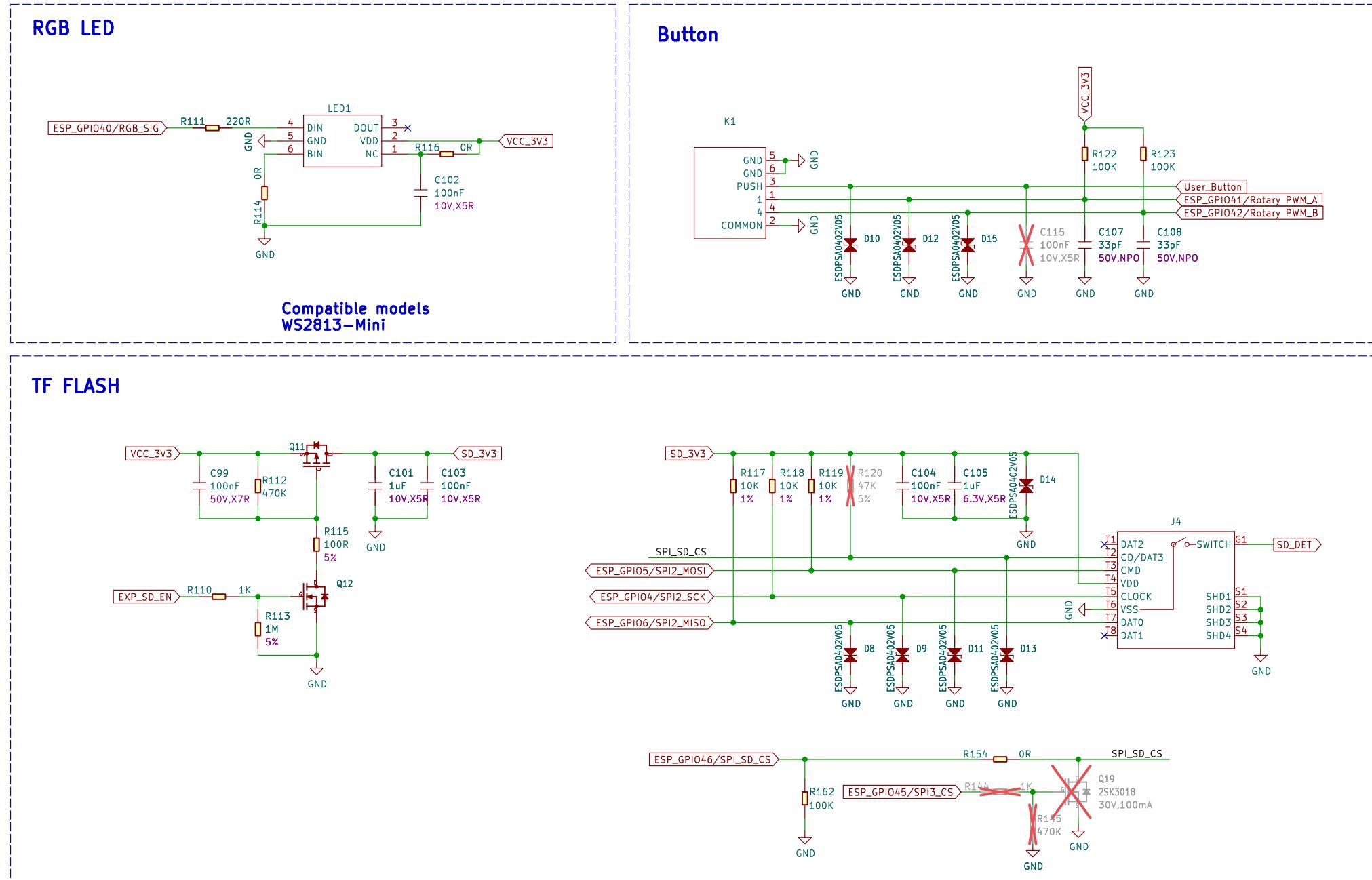
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Title: SenenCAP Watcher

Size: B Date: 2024/1/29 Design:

KiCad E.D.A. 8.0.0 Rev: A1

Id: 8/11



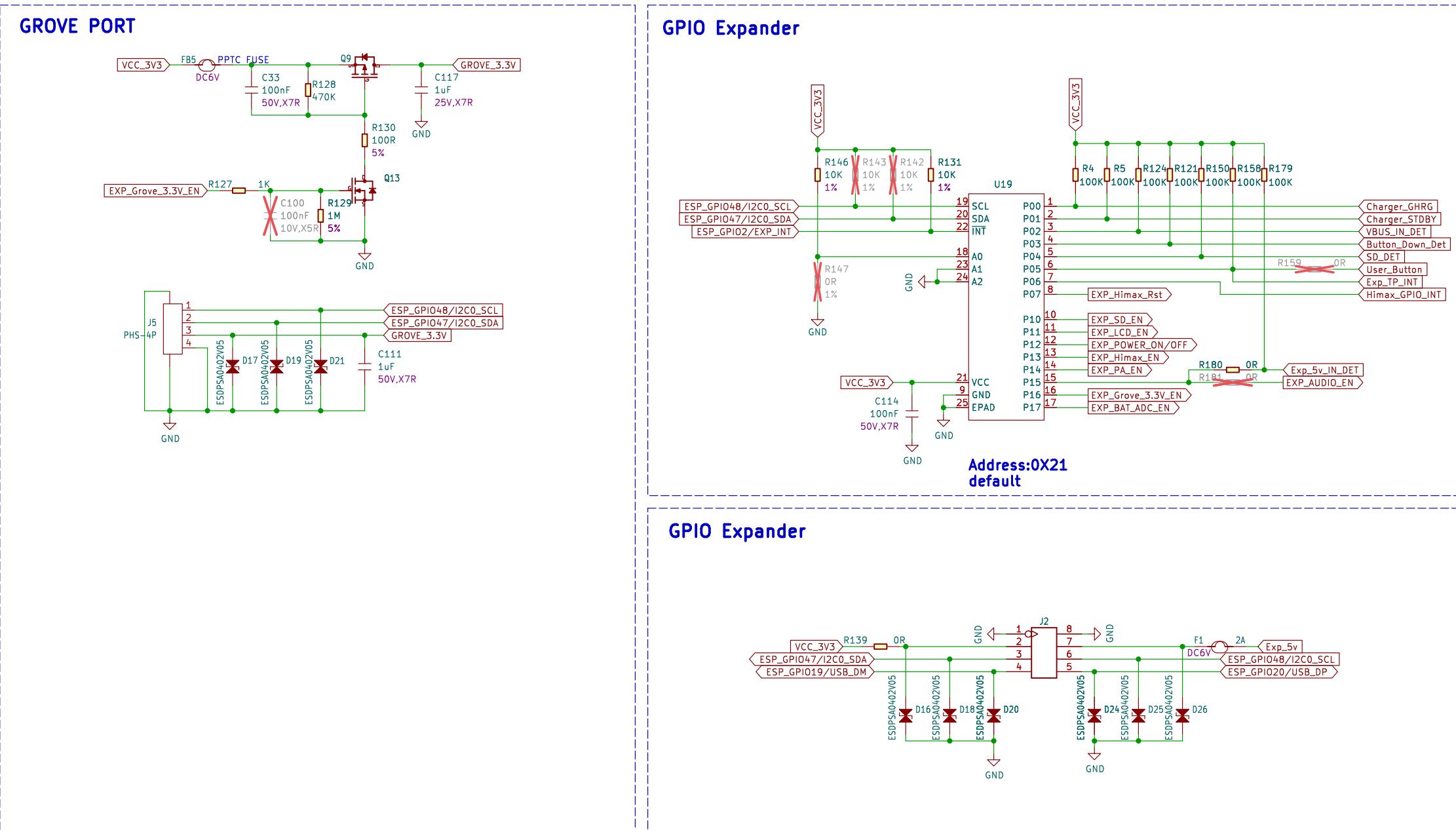
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Sheet: /Button & TF FLASH/  
File: Button & TF FLASH.kicad\_sch

Title: SenenCAP Watcher

Size: B Date: 2024/1/29 Design:

Rev: A1 KiCad E.D.A. 8.0.0 Id: 9/11



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Sheet: /Port & IO Exp & RTC/  
File: Port & IO Exp & RTC.kicad\_sch

Title: SenenCAP Watcher

Size: B Date: 2024/1/29 Design:

Rev: A1 KiCad E.D.A. 8.0.0 Id: 10/11

**Revision History**

DATE	REVISION	DESCRIPTION
2024/03/05	v0.1	1.Initial
2024/03/22	v0.2	1.Change MEMS MIC for better gain;
2024/04/19	v0.3	1.Change lcd to 1.45inch; 2.Add Battery NTC function for temp protection; 3.Change Esp32 flash capacity to 32MB; 4.Add connector for Speaker; 5.Add rst button for Esp32;
2024/05/21	v0.4	1.Add Exp_5v input detect; 2.Add backup Micro Battery for RTC; 3.Tune crystal load matching capacitance;



Sheet: /change list/  
File: change list.kicad\_sch

**Title: SenenCAP Watcher**

Size: A4	Date:	Design:	CC BY-SA 4.0
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			Id: 11/11