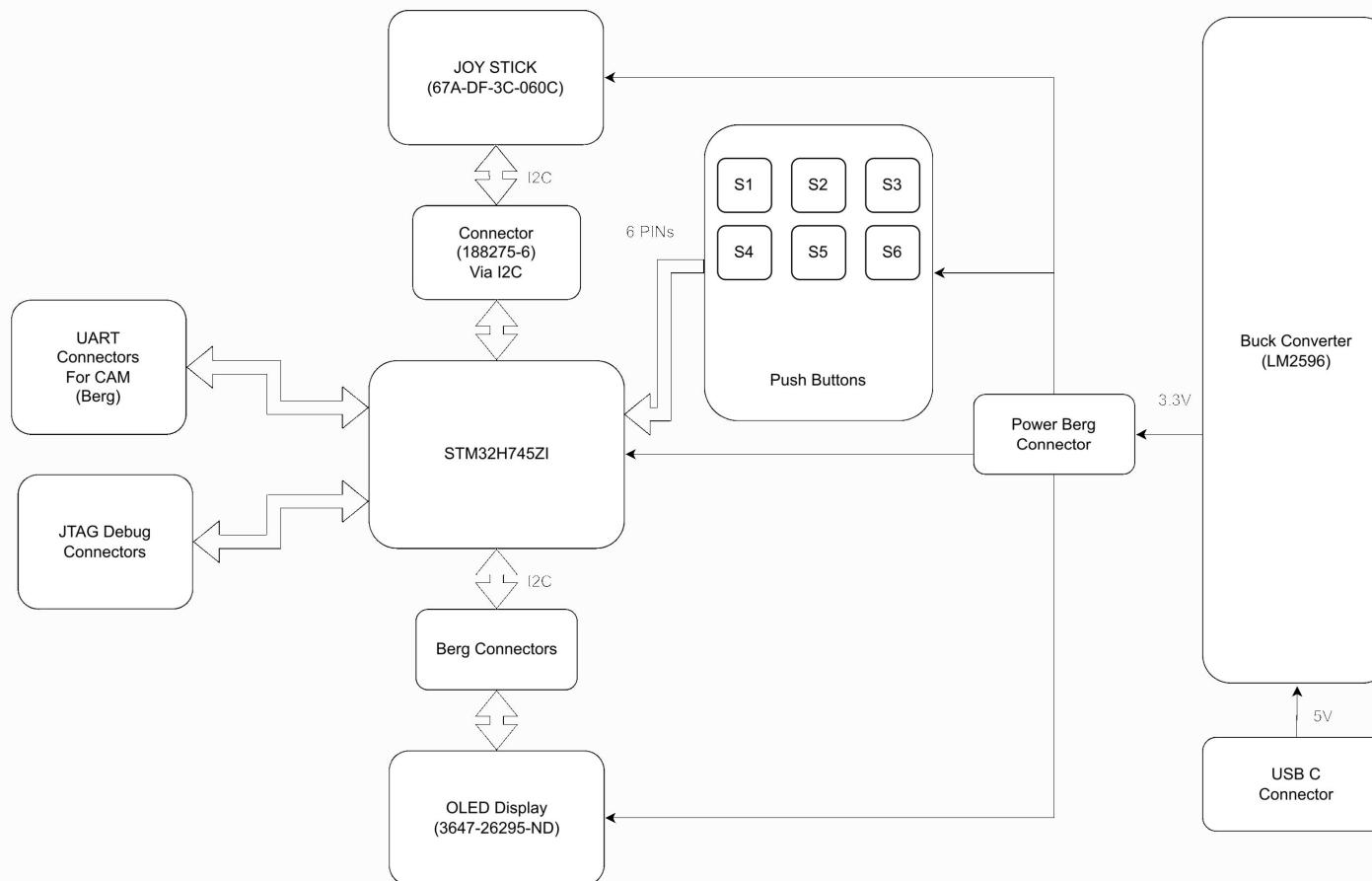


# Camera Controller using STM32H745ZI

SL. No.	Title	Page No.
1	Cover Page	1
2	Block Diagram	2
3	Root Schematic	3
4	Boot	4
5	Power	5
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Title		
Size A4	Number	Revision
Date: 2-19-2026	Sheet of	
File: cover.SchDoc	Drawn By:	

# Block Diagram of the Entire System



Title		
Size	Number	Revision
A4		
Date: 2-19-2026	Sheet of	
File: block_diagram.SchDoc		Drawn By:

A

A

B

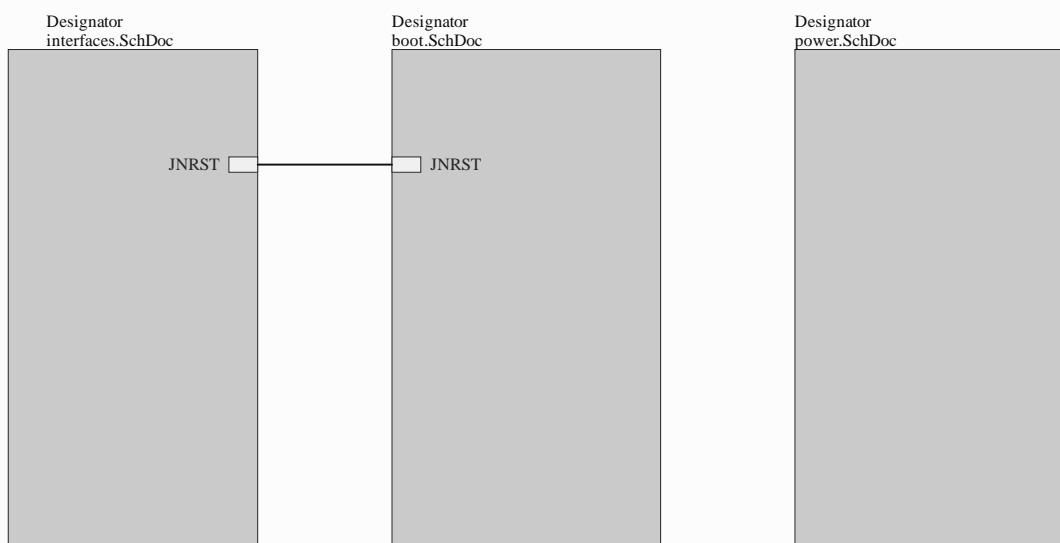
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C

C

D

D



Title		
Size A4	Number	Revision
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A

A

E

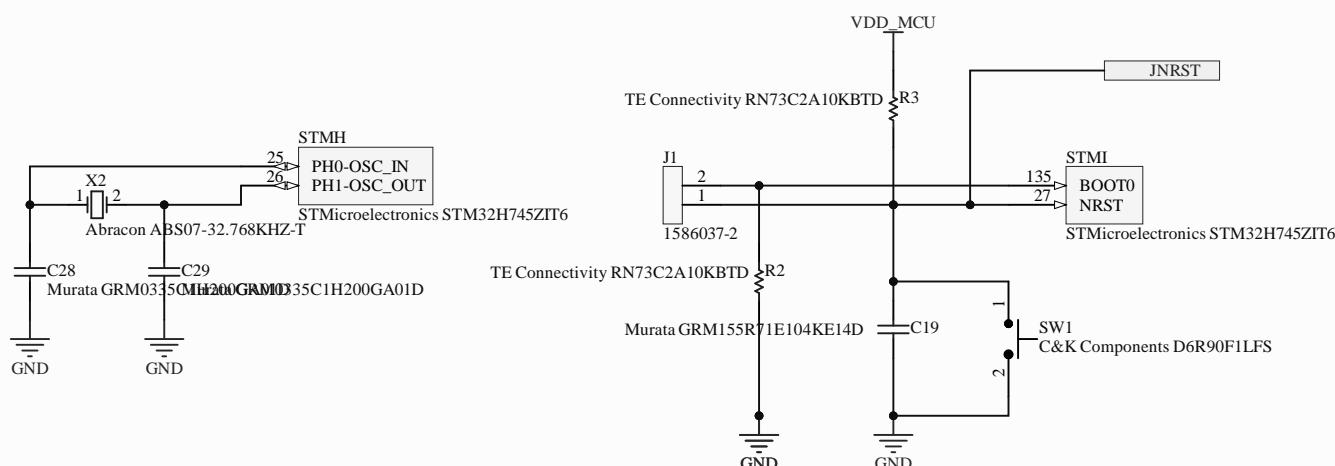
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6

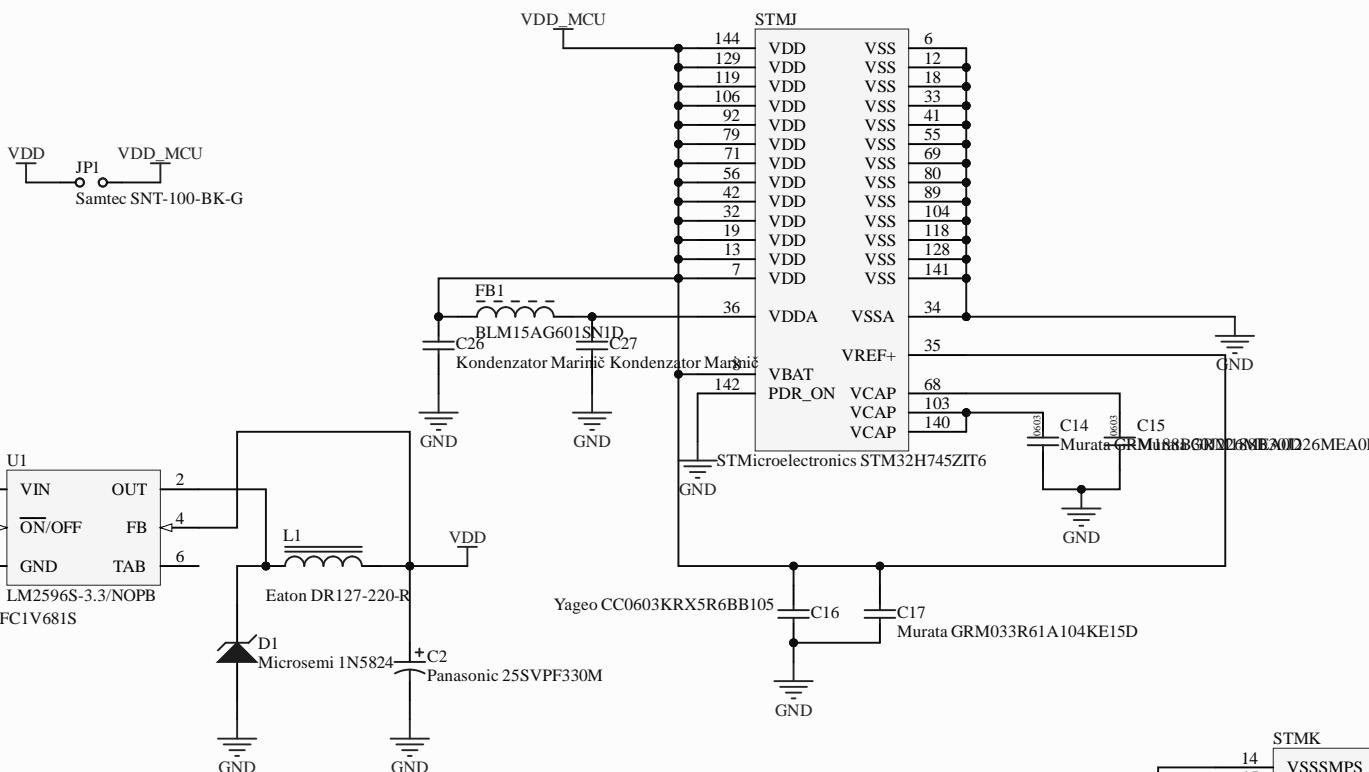
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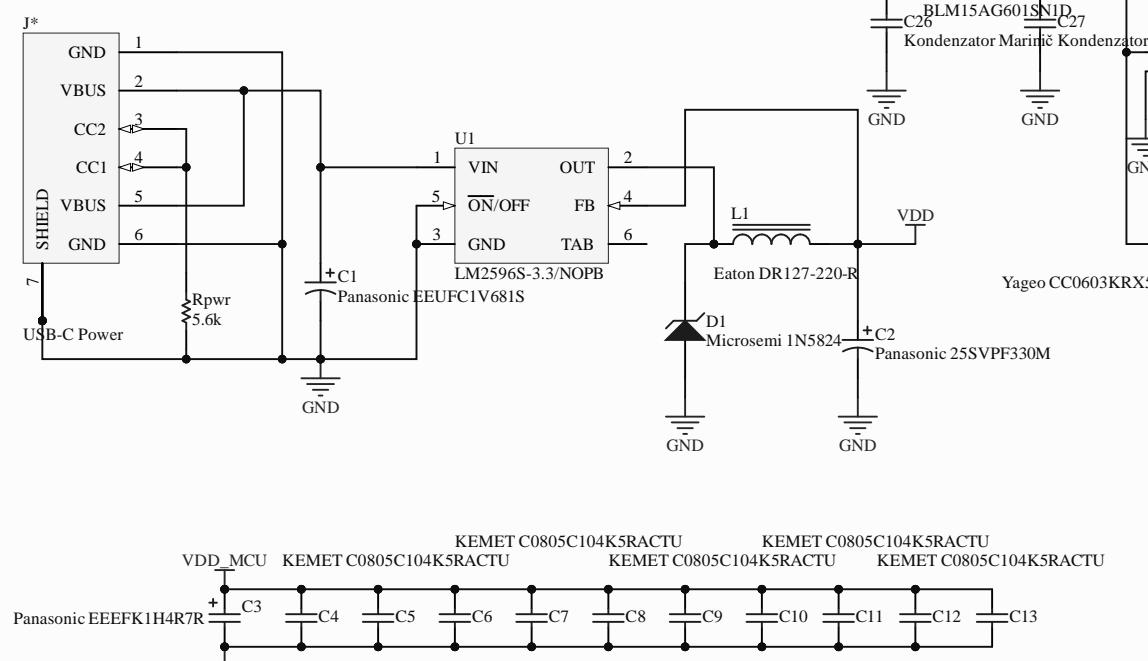


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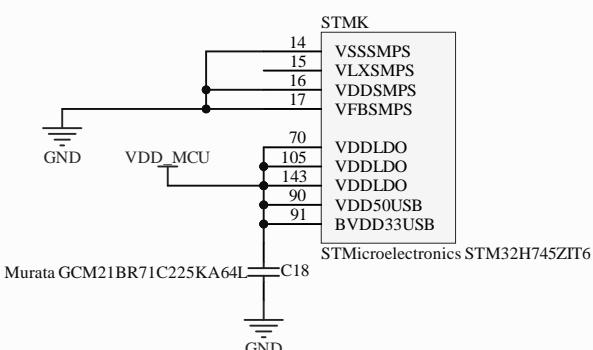
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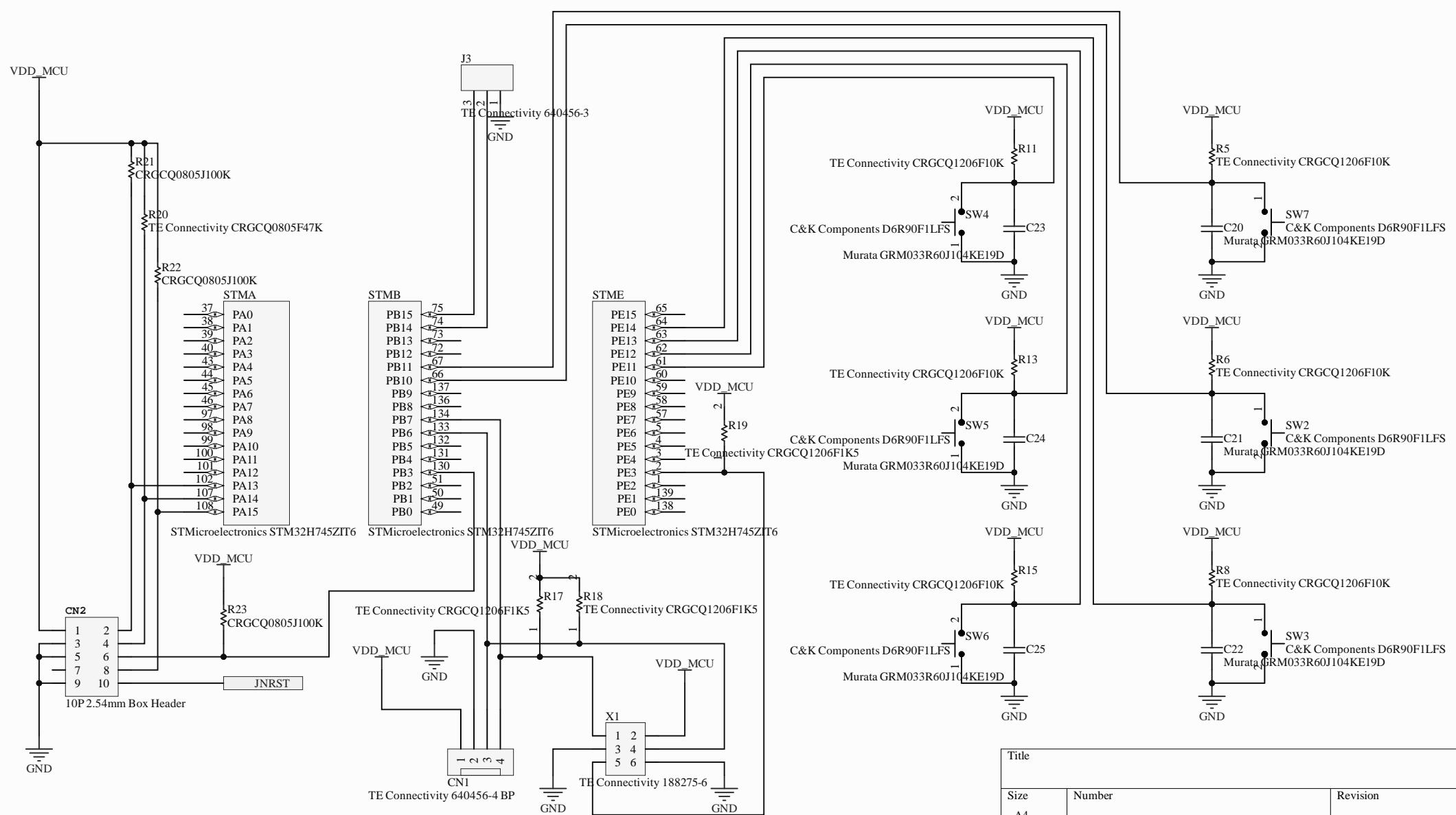
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D

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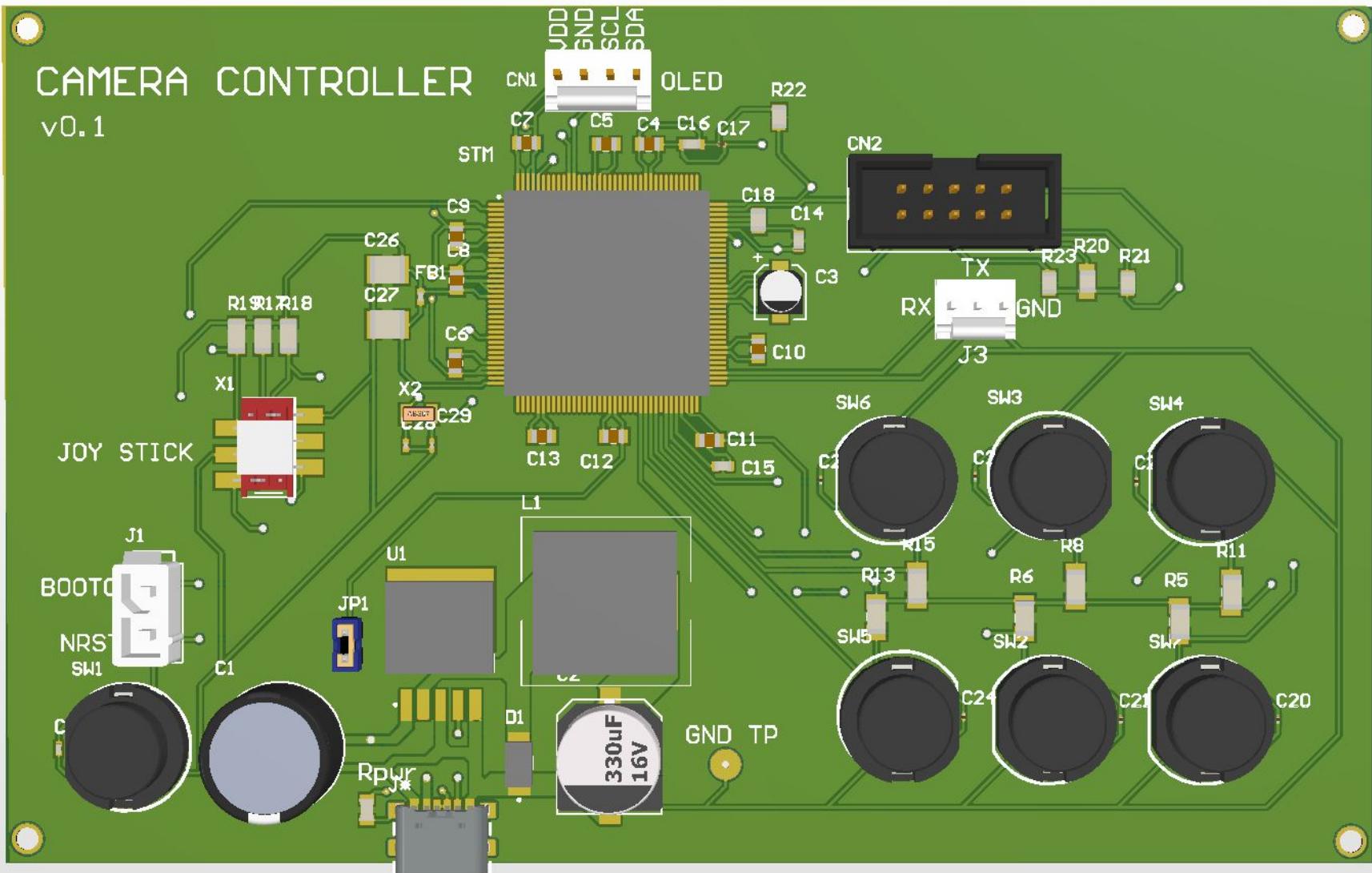
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Date:	2-19-2026	Sheet of
File:	interfaces.SchDoc	Drawn By:

# Revision History

Version Number	Change Description	Author	Date
0.1v	Initial Release	Daniel V Mathew	18/02/2026

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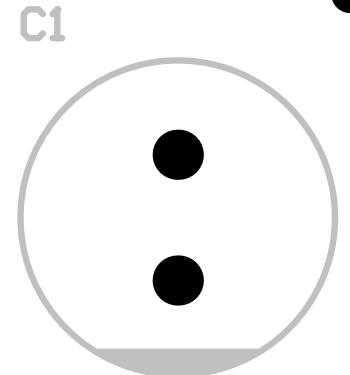
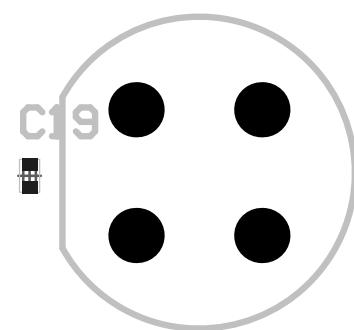
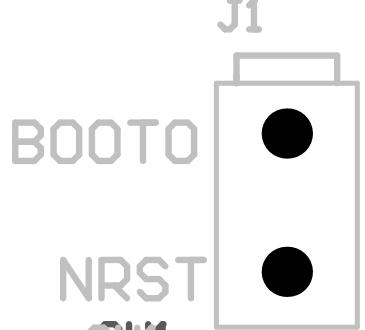
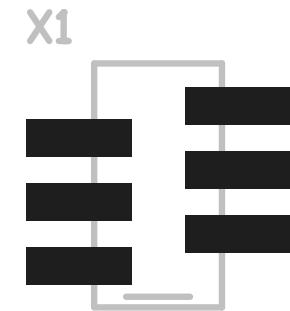


# CAMERA CONTROLLER

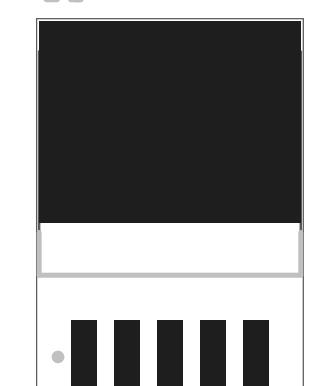
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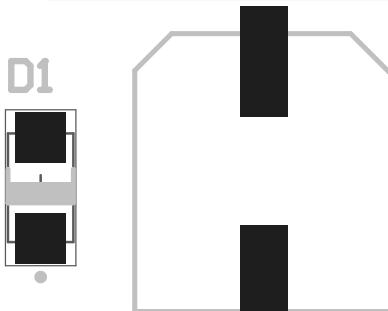
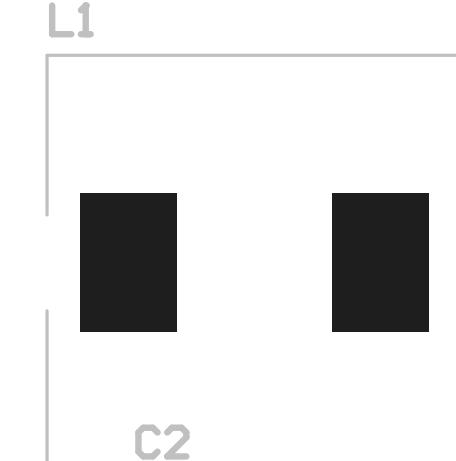
JOY STICK



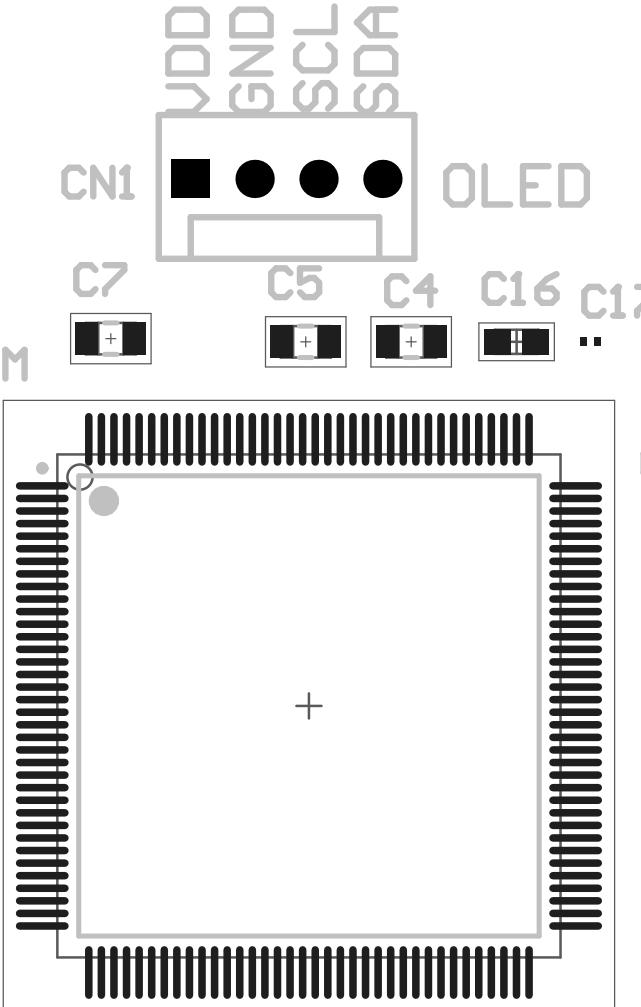
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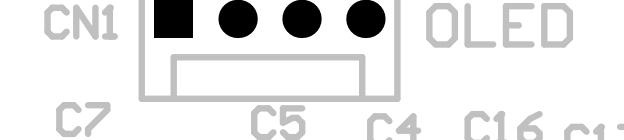
Rpyr\*



GND TP



CN1 VDD GND SCL SDA



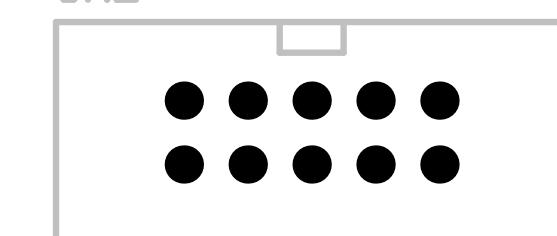
OLED



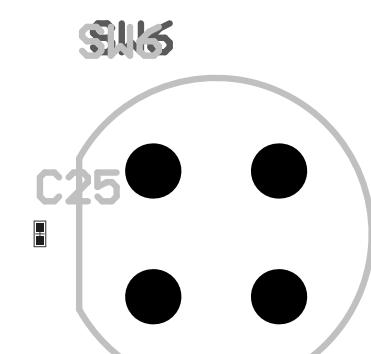
R22

C18 C14 C3 C10

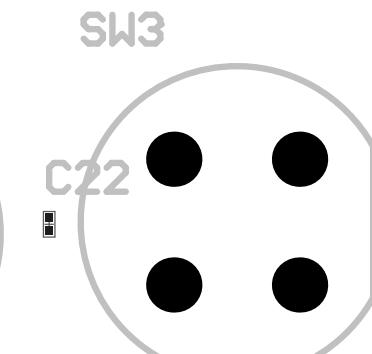
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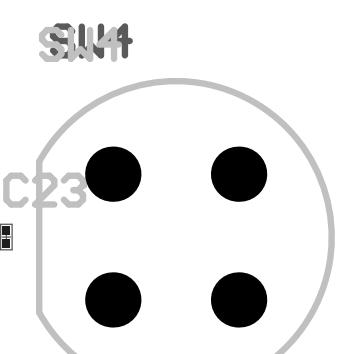
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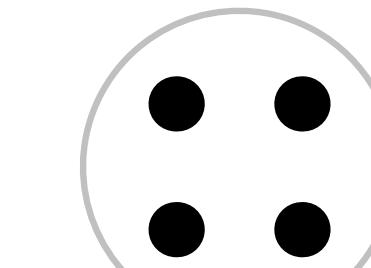
SW5 SW6



SW7 SW8



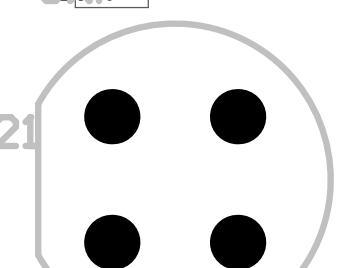
SW9 SW10



SMS



SMS



SMS

