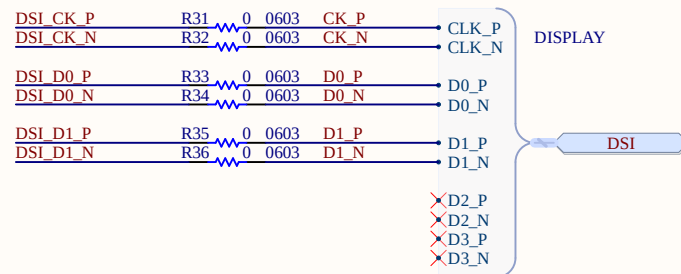
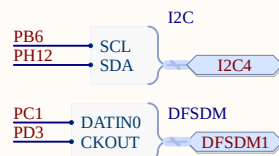
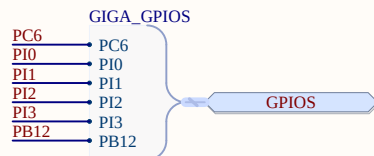
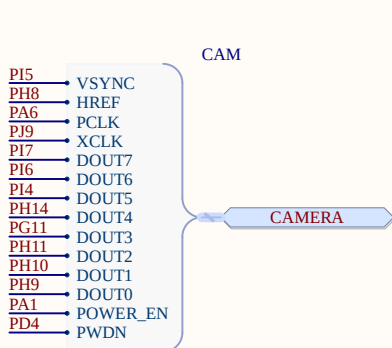
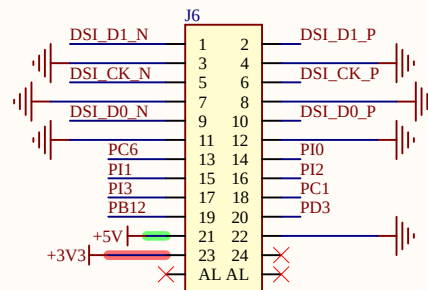
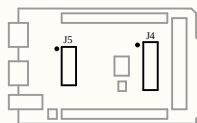
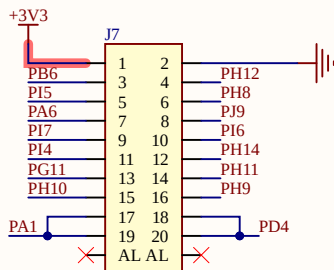


**ON GIGA CAMERA SHARES:
I2C4 WITH JDIGITAL**

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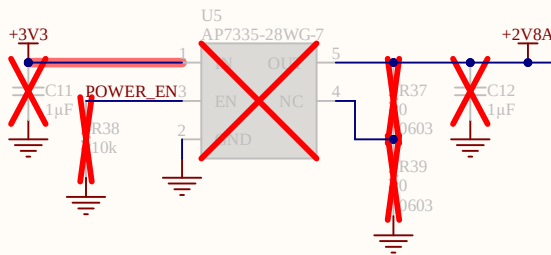
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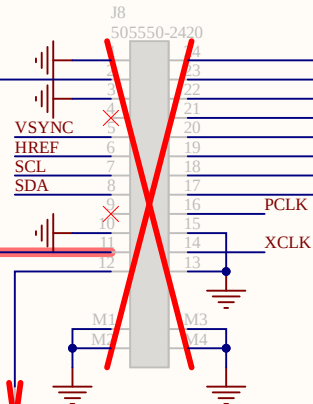
Title: GIGA HEADERS**ID: ASX00039**Revision: **V0.5**Date: **17/10/2024** Time: **13:08:30**Sheet **2** of **8**File: **GIGA.SchDoc**Author: **Silvio Navaretti**RevAuthor: **Silvio Navaretti**



CAMERA 2V8 LDO



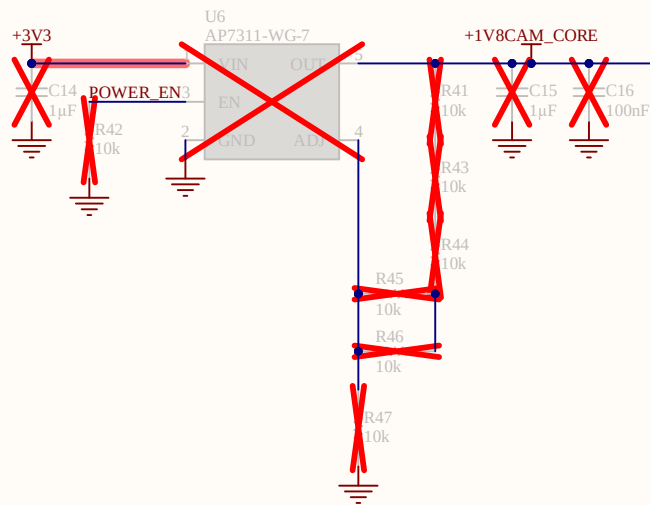
CAMERA Arducam-GC2145



Arducam-GC2145 camera module pinout

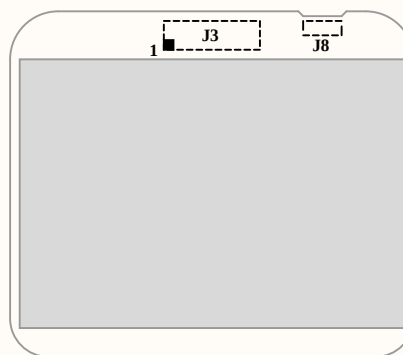
CONNECTOR	PIN	DESCRIPTION
	NO.	定义
	1	AGND
	2	AVDD2.8V
	3	GND
	4	NC
	5	FVLD
	6	LVLD
	7	SCL
	8	SDA
	9	NC
	10	DGND
	11	IOVDD1.8V
	12	DVDD1.8V
	13	DGND
	14	MCLK
	15	DGND
	16	PCLK
	17	D0
	18	D1
	19	D2
	20	D3
	21	D4
	22	D5
	23	D6
	24	D7

CAMERA 1V8 LDO



**TWO CAMERA CONNECTORS:
FLAT CABLE OR 2.54mm HEADER.
THEY CANNOT BE USED AT THE
SAME TIME**

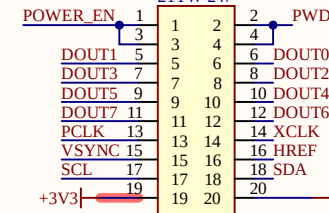
TOP VIEW
J3 is placed on TOP
It is accessible from BOTTOM bein pass through



CAMERA 2.54mm header

GIGA PINS
ON SILK

66
66
64
62
60
58
56
54
SCL1
3V3



GIGA PINS
ON SILK

67
67
65
63
61
59
57
55
SDA1
GND

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Title: **CAMERA**

ID: **ASX00039**

Date: **17/10/2024** Time: **13:08:35**

File: **CAMERA.SchDoc**

Revision: **V0.5**

Sheet **5** of **8**

Author: **Silvio Navaretti**

RevAuthor: **Silvio Navaretti**



1

2

3

4

A

A

B

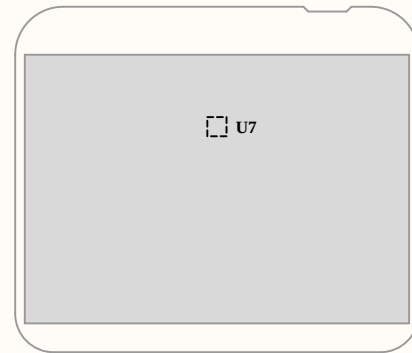
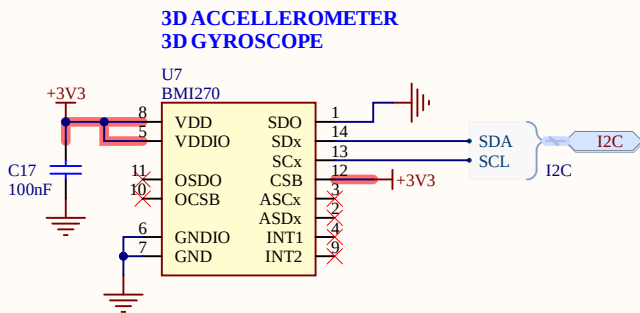
B

C

C

D

D



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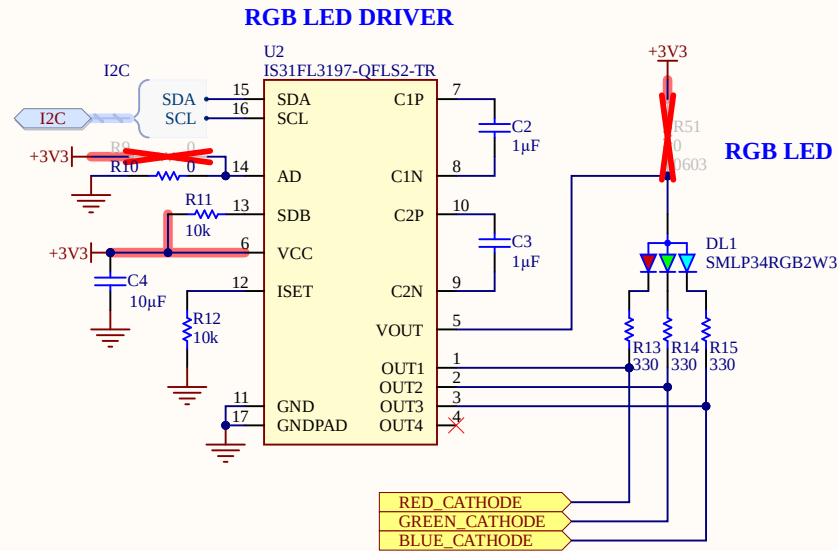
Title: ACCELEROMETER			
ID: ASX00039	Revision: V0.5		
Date: 17/10/2024 Time: 13:08:36	Sheet 6 of 8		
File: ACCELEROMETER.SchDoc	Author: Silvio Navaretti	RevAuthor: Silvio Navaretti	

1

2

3

4



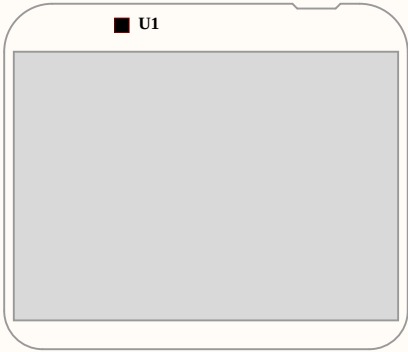
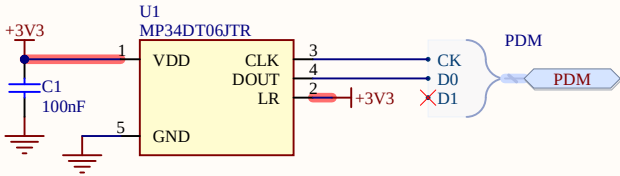
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Title: RGB		 	
ID: ASX00039	Version: V0.5		
Date: 17/10/2024	Time: 13:08:38	Sheet 7 of 8	
File: RGB_LED.SchDoc	Author: Silvio Navaretti	RevAuthor: Silvio Navaretti	

MICROPHONE



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Title: MICROPHONE			
ID: ASX00039	Version: V0.5		
Date: 17/10/2024 Time: 13:08:39	Sheet 8 of 8		
File: MICROPHONE.SchDoc	Author: Silvio Navaretti		