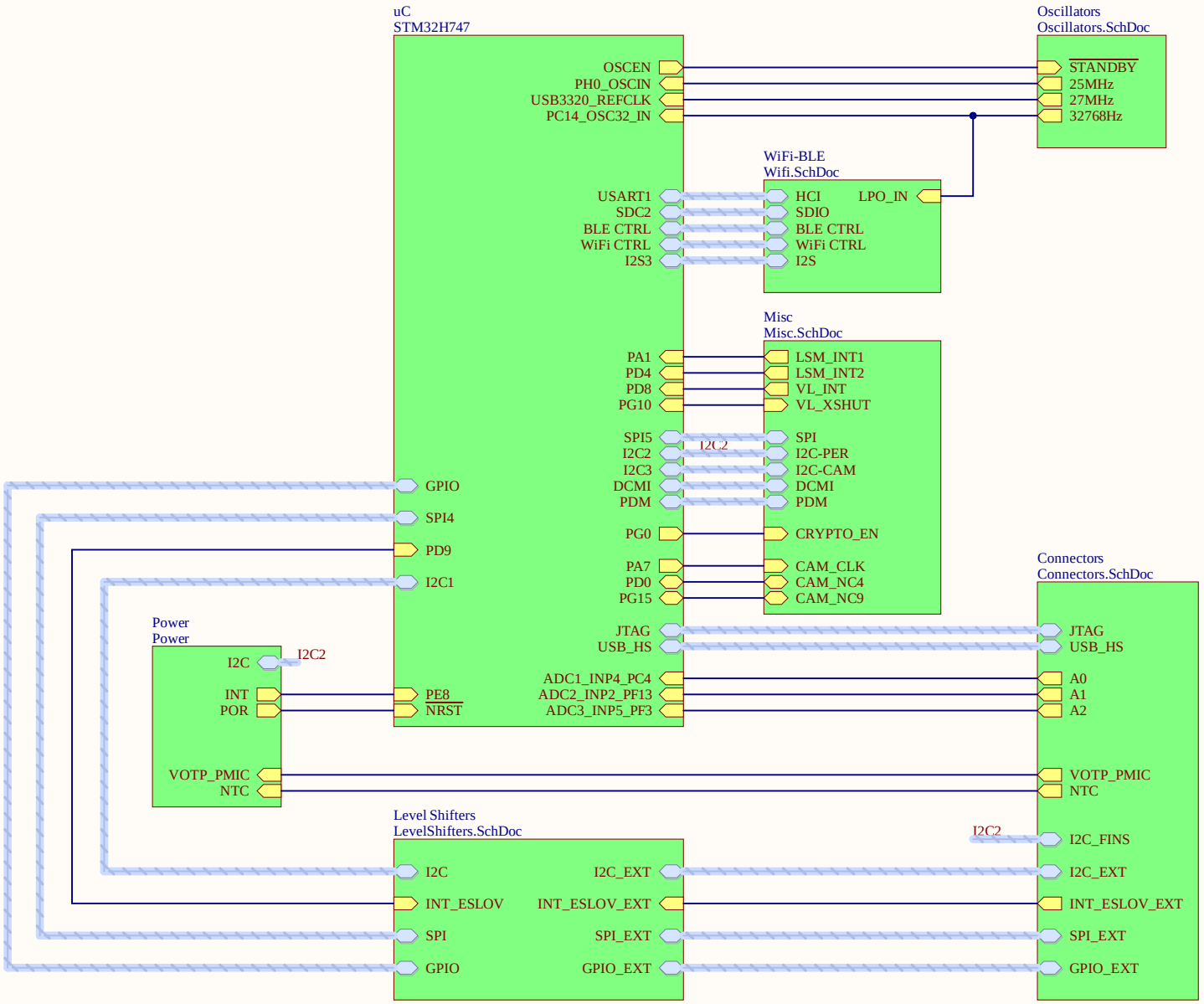

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Title: TOP			
ID: ABX00051		Revision: V1.3	
Date: 18/02/2022	Time: 09:12:49	Sheet 1 of 8	
File: TOP.SchDoc		Author: Silvio Navaretti	RevAuthor: Silvio Navaretti

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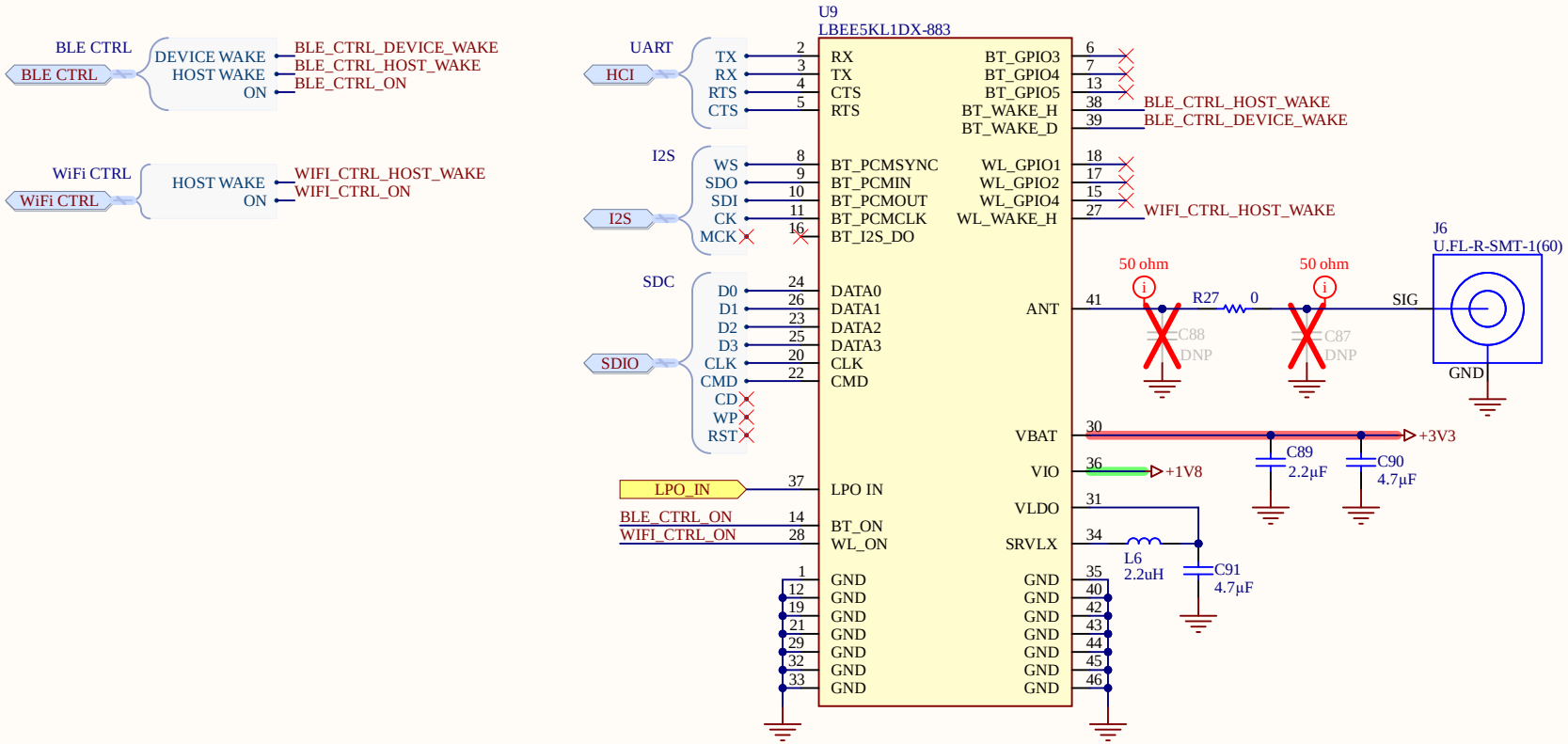
ARDUINO



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Title: **WIFI / BLE**			
ID: ABX00051		Revision: V1.3	
Date: 18/02/2022	Time: 09:12:51	Sheet 2 of 8	
File: Wifi.SchDoc		Author: Arturo Guadalupi	RevAuthor: Silvio Navaretti

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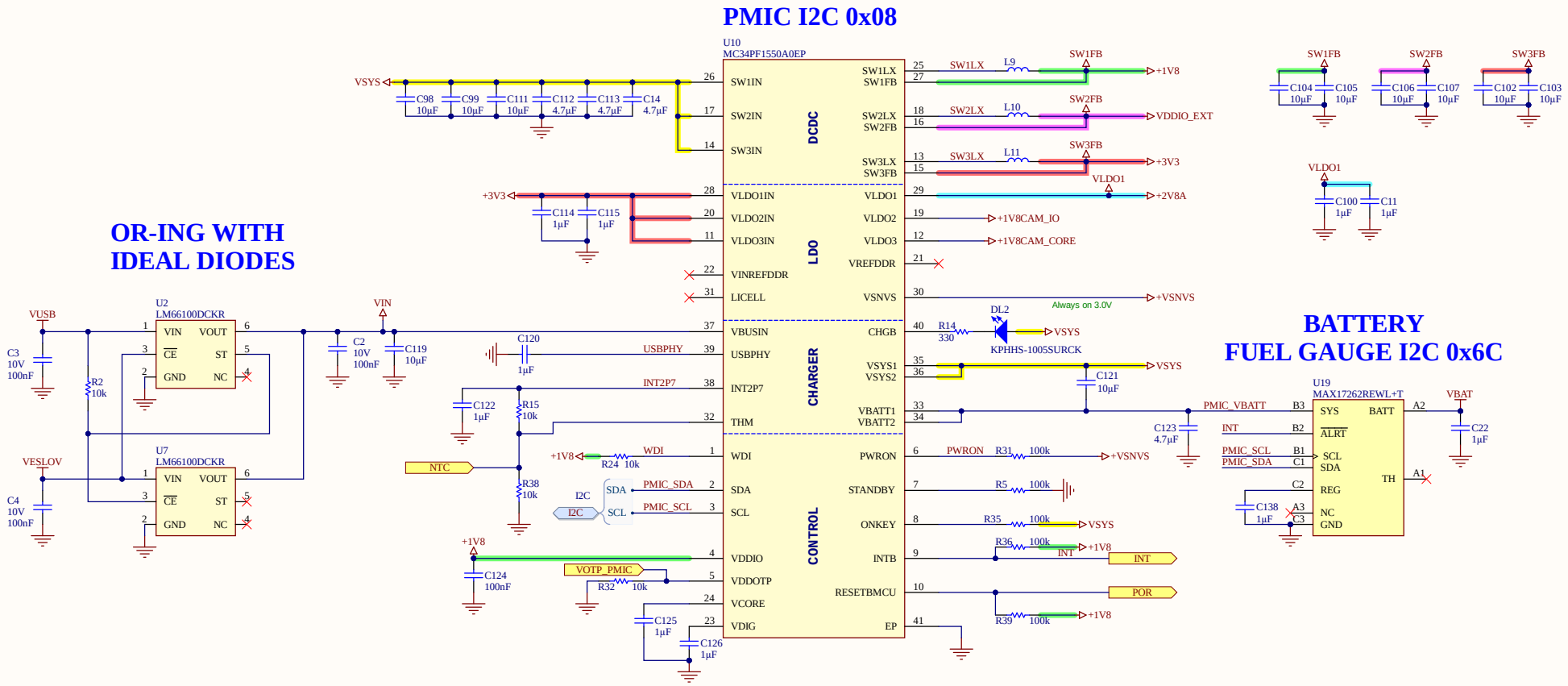

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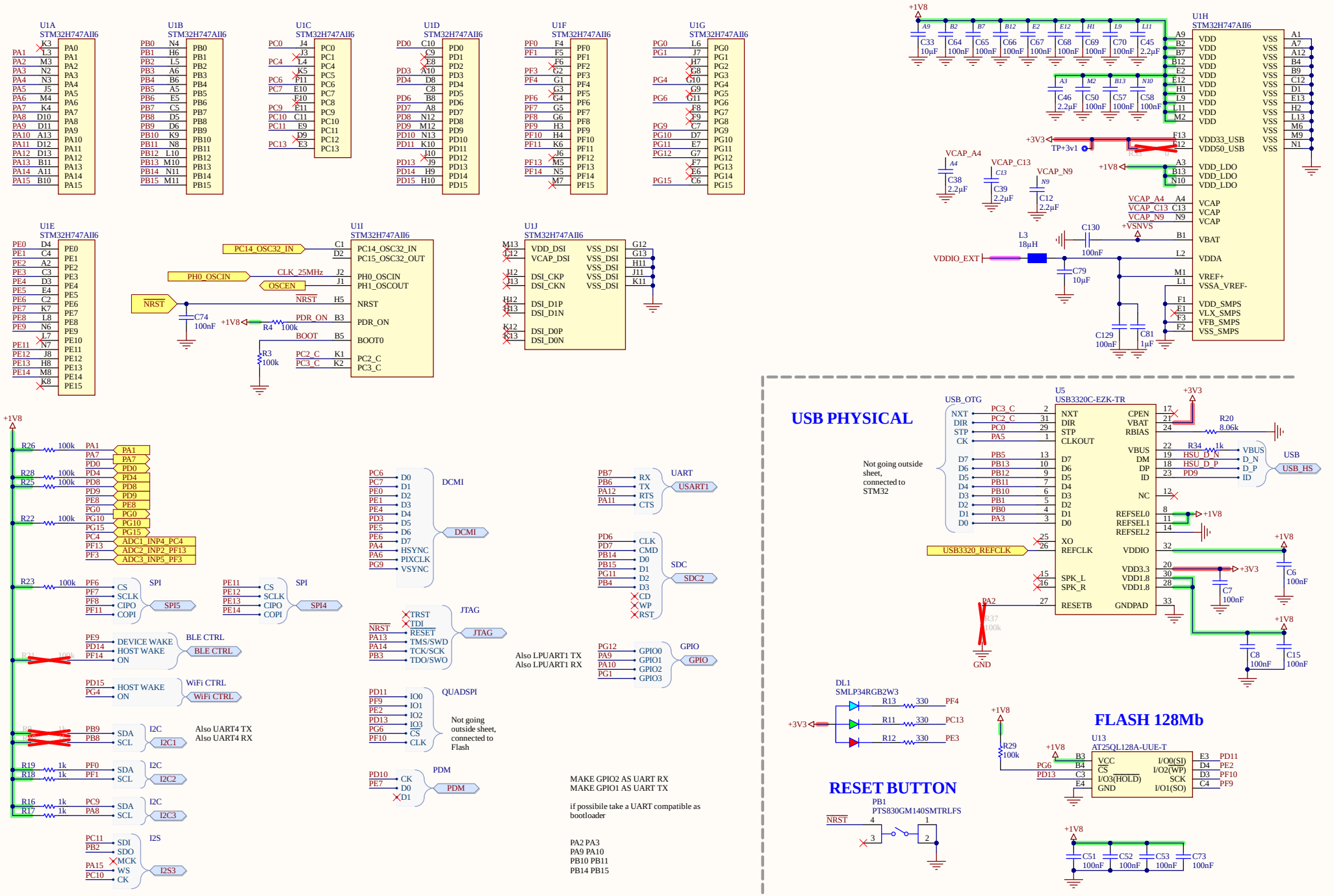
Title: POWER			
ID: ABX00051		Revision: V1.3	
Date: 18/02/2022	Time: 09:12:53	Sheet 3 of 8	
File: Power.SchDoc		Author: Arturo Guadalupi	RevAuthor: Silvio Navaretti



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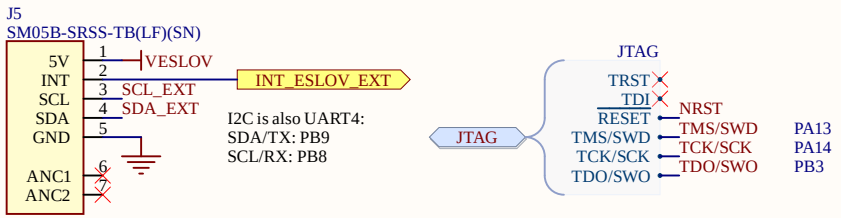
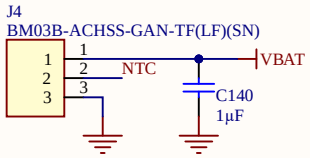
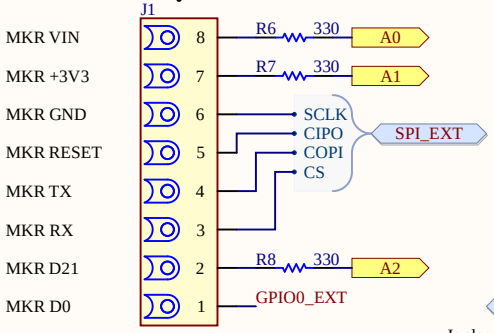
Title: STM32H747			
ID: ABX00051		Revision: V1.3	
Date: 18/02/2022	Time: 09:12:57	Sheet 4 of 8	
File: STM32H747.SchDoc		Author: Silvio Navaretti	RevAuthor: Silvio Navaretti

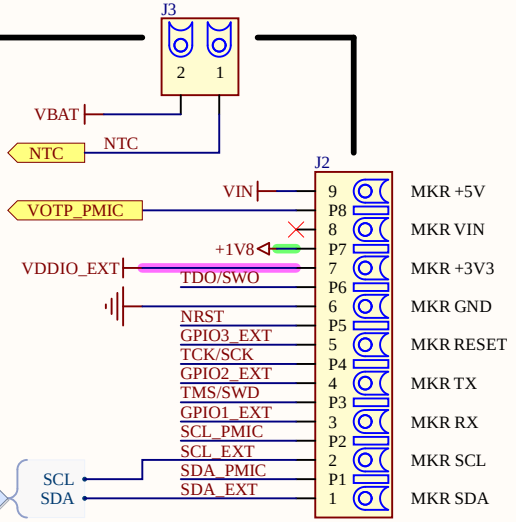
ESLOV CONNECTOR



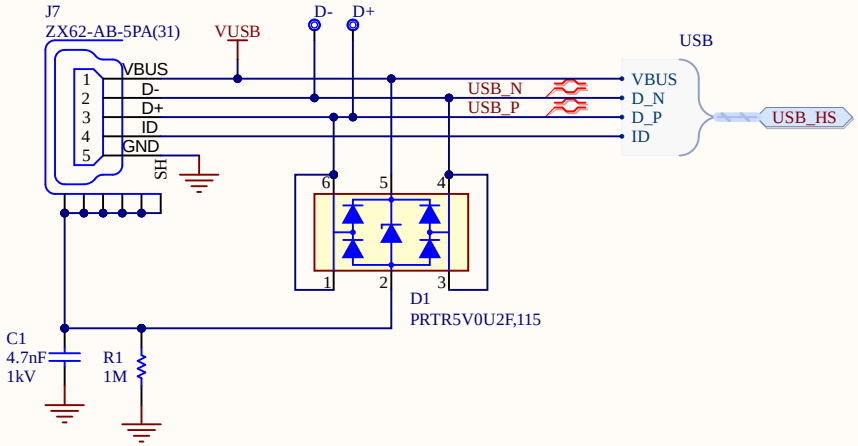
BATTERY CONNECTOR

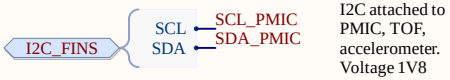






USB CONNECTOR





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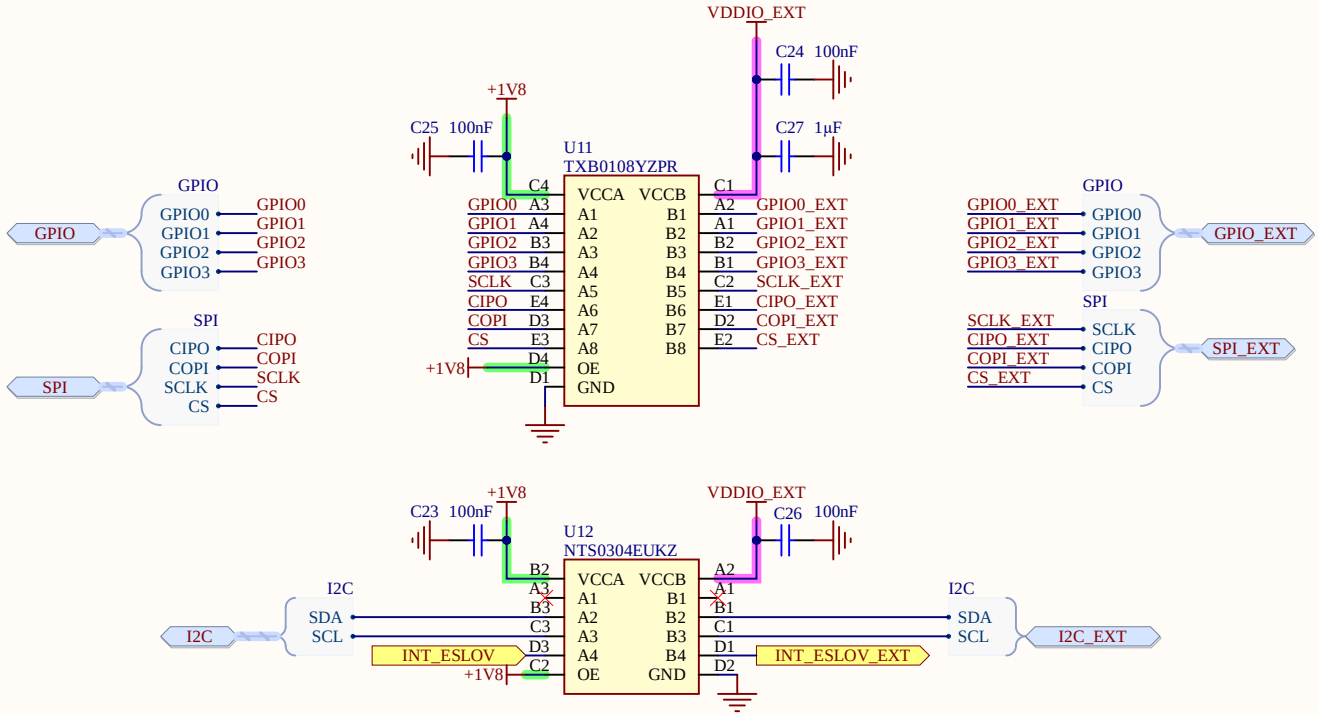
Title: CONNECTORS			
ID: ABX00051	Revision: V1.3		
Date: 18/02/2022	Time: 09:13:01	Sheet 5 of 8	
File: Connectors.SchDoc	Author: Silvio Navaretti	RevAuthor: Silvio Navaretti	



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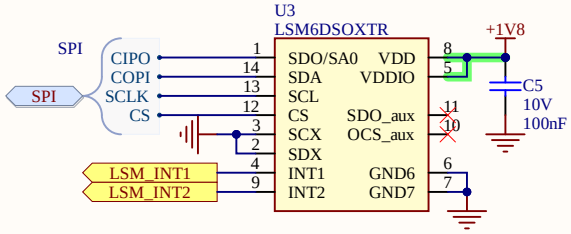
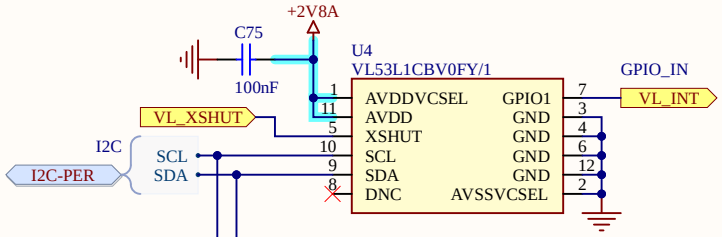
Title: **LEVEL SHIFTERS**			
ID: ABX00051	Revision: V1.3		
Date: 18/02/2022 Time: 09:13:04	Sheet 6 of 8		
File: LevelShifters.SchDoc	Author: Francesca Cenna	RevAuthor: Silvio Navaretti	

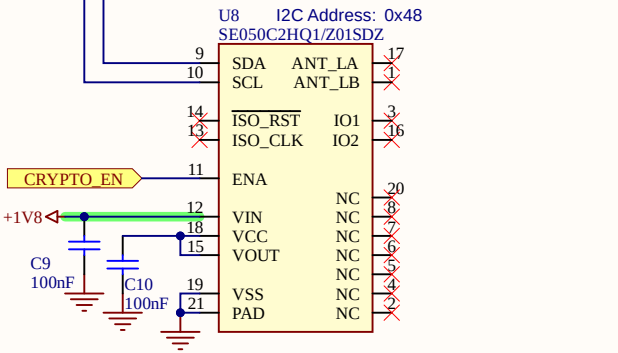
ACCELEROMETER



TIME OF FLIGHT I2C 0x52

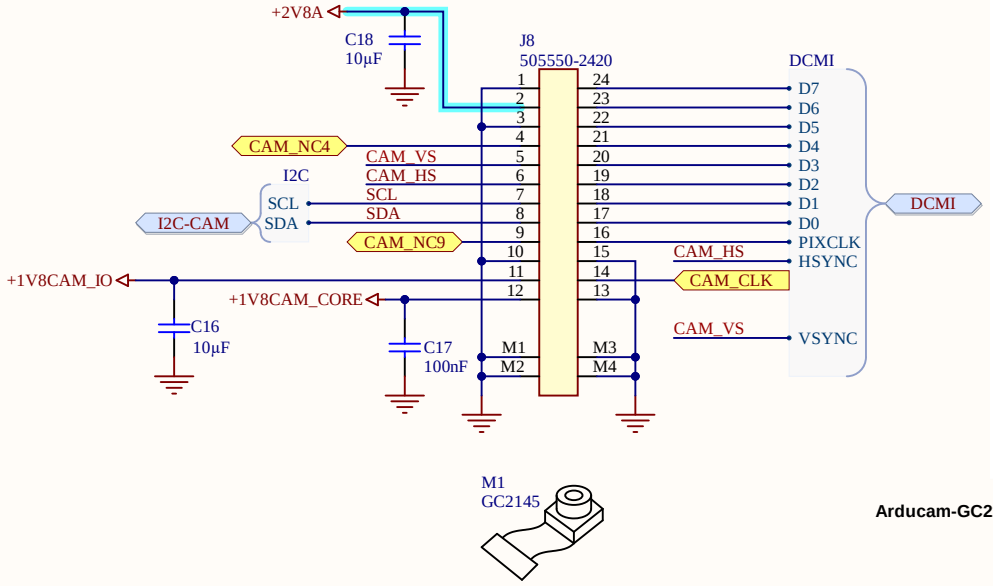


SECURE ELEMENT I2C 0x48



CAMERA

Arducam-GC2145

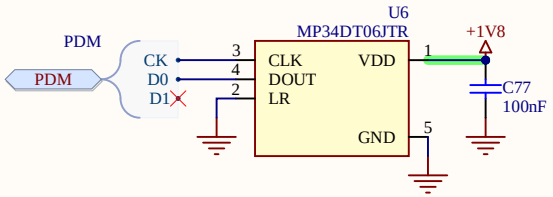


CONNECTOR PIN DESCRIPTION

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

Arducam-GC2145 camera module pinout

MICROPHONE



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Title: MISCELLANEOUS			
ID: ABX00051	Revision: V1.3		
Date: 18/02/2022	Time: 09:13:07	Sheet 7 of 8	
File: Misc.SchDoc	Author: Silvio Navaretti	RevAuthor: Silvio Navaretti	

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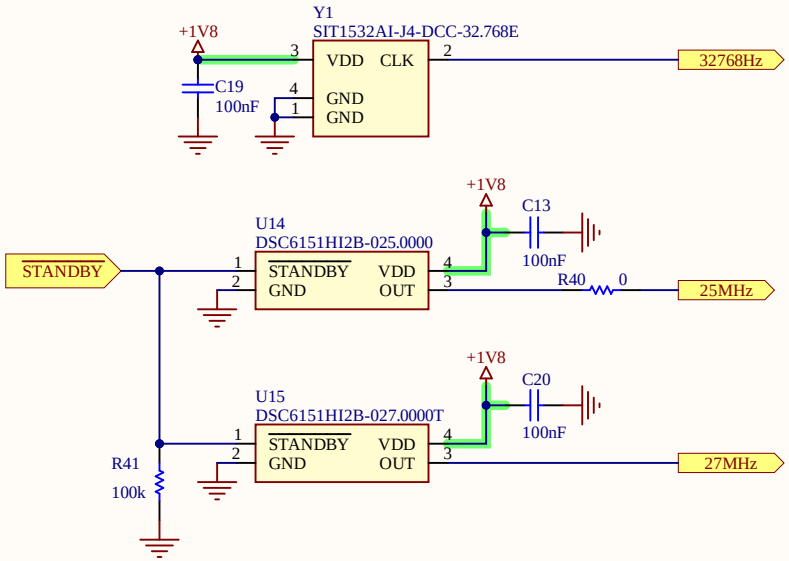

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Title: **OSCILLATORS**			
ID: ABX00051	Revision: V1.3		
Date: 18/02/2022 Time: 09:13:09	Sheet 8 of 8		
File: Oscillators.SchDoc	Author: Silvio Navaretti	RevAuthor: Silvio Navaretti	