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Title: TOP

ID: ABX00051

Revision: V1.4

Date: 2022-11-23 Time: 14:28:40

Sheet 1 of 8

File: TOP.SchDoc

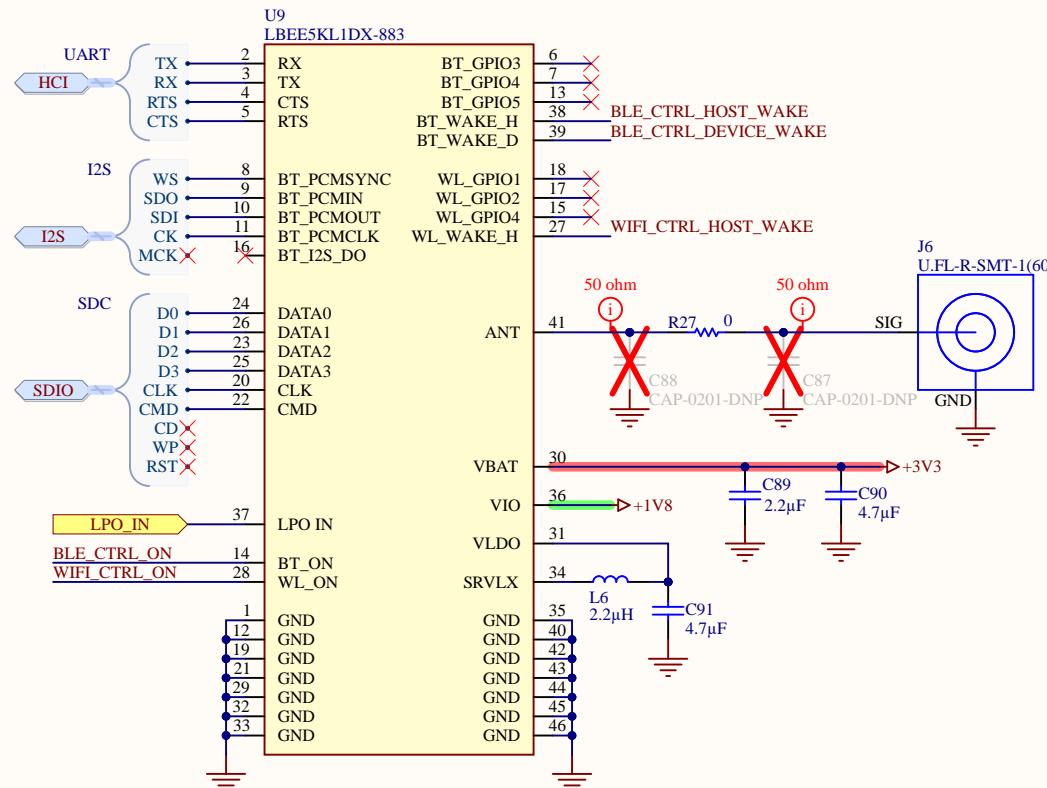
Author: Silvio Navaretti



A



B



C

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Title: **WIFI / BLE**

ID: **ABX0051**

Revision: **V1.4**

Date: **2022-11-23**

Time: **14:28:42**

Sheet **2** of **8**

File: **Wifi.SchDoc**

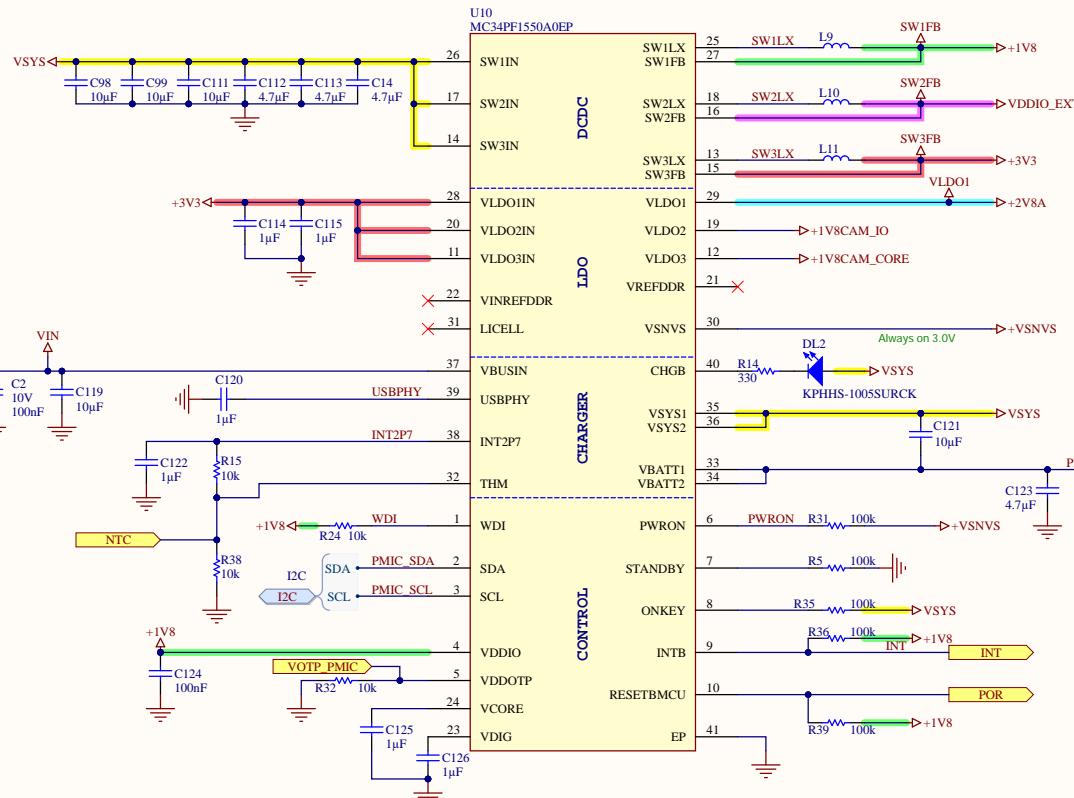
Author: **Arturo Guadalupe**



A

A

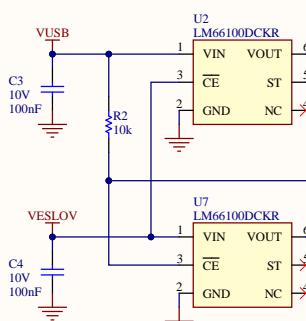
PMIC I₂C 0x08



B

B

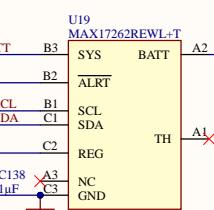
OR-ING WITH IDEAL DIODES



C

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BATTERY FUEL GAUGE I₂C 0x6C



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Title: POWER

ID: ABX00051

Revision: V1.4

Date: 2022-11-23

Time: 14:28:43

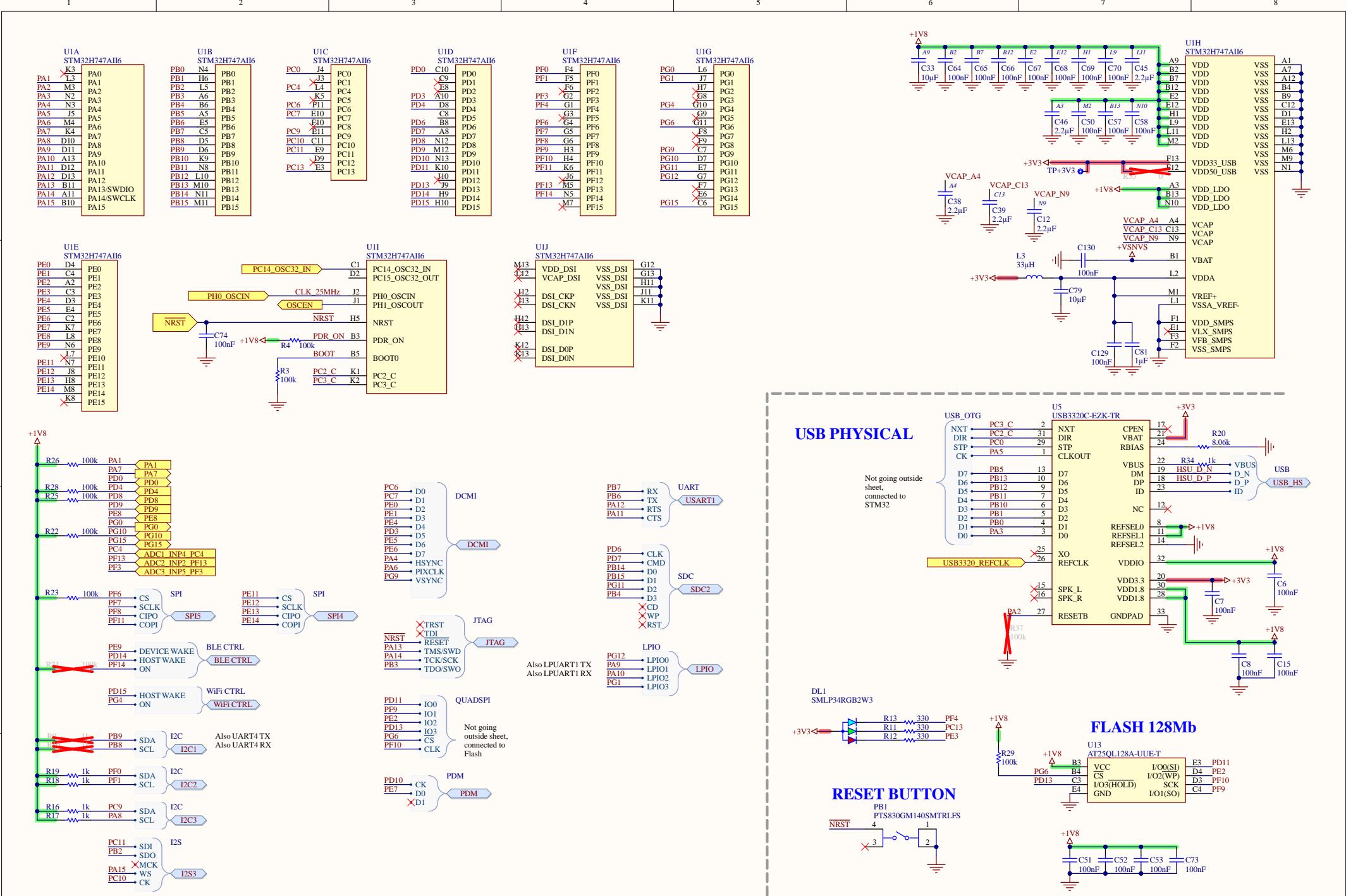
Sheet 3 of 8

File: Power.SchDoc

Author: Arturo Guadalupi

RevAuthor: Silvio Navaretti





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Title: STM32H747

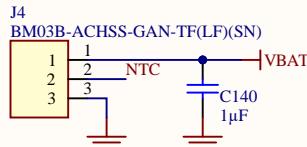
ID: ABX00051	Revision: V1.4
Date: 2022-11-23	Time: 14:28:45
File: STM32H747.SchDoc	Author: Silvio Navaretti

 ARDUINO

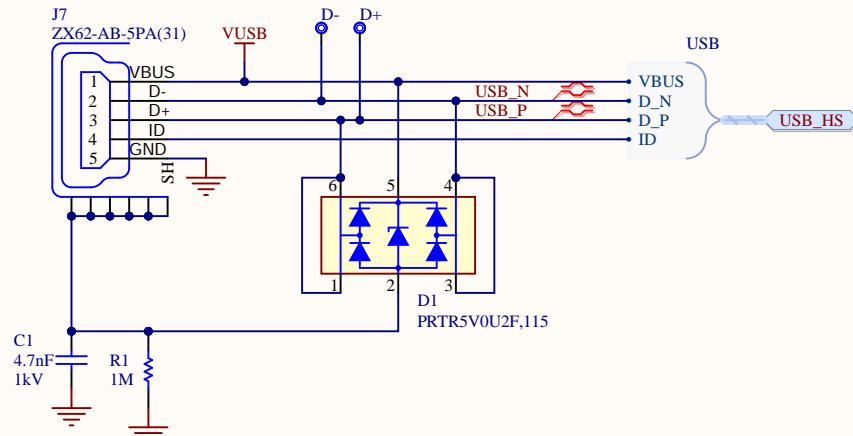
ESLOV CONNECTOR



BATTERY CONNECTOR



USB CONNECTOR

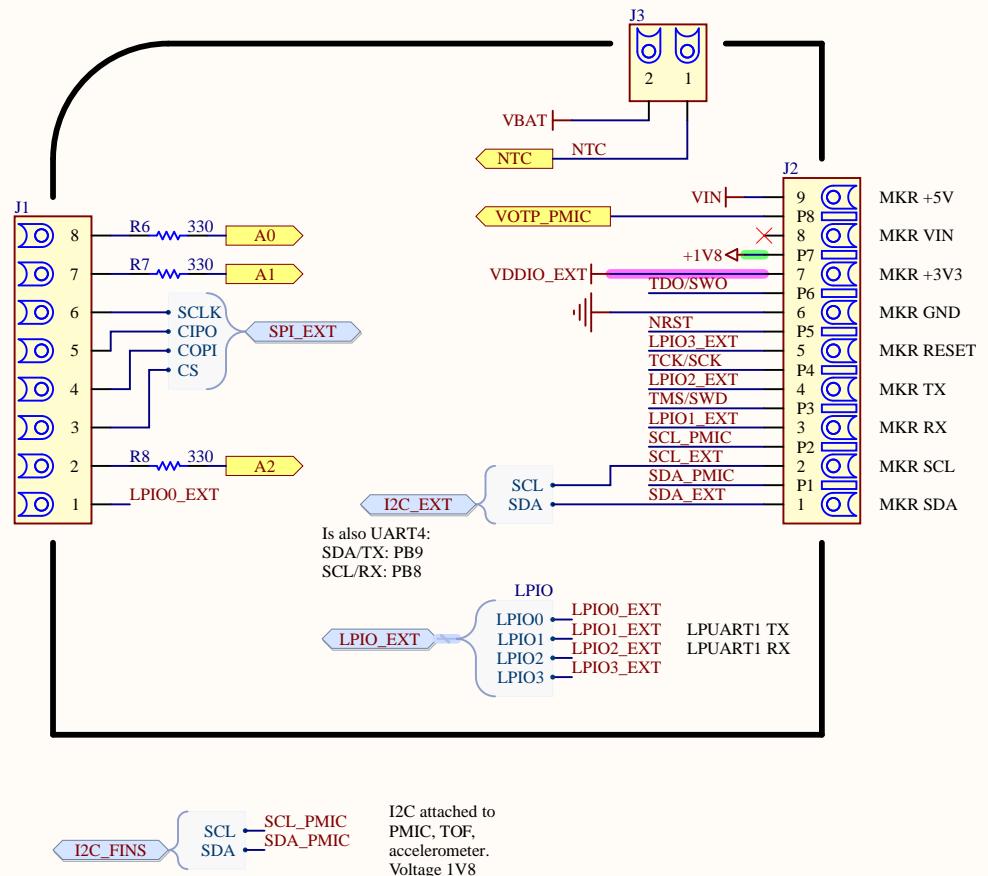


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MKR AREF
MKR A0
MKR A1
MKR A2
MKR A3
MKR A4
MKR A5
MKR A6



Title: CONNECTORS

ID: ABX00051

Revision: V1.4

Date: 2022-11-23 Time: 14:28:47

Sheet 5 of 8

File: Connectors.SchDoc

Author: Silvio Navaretti



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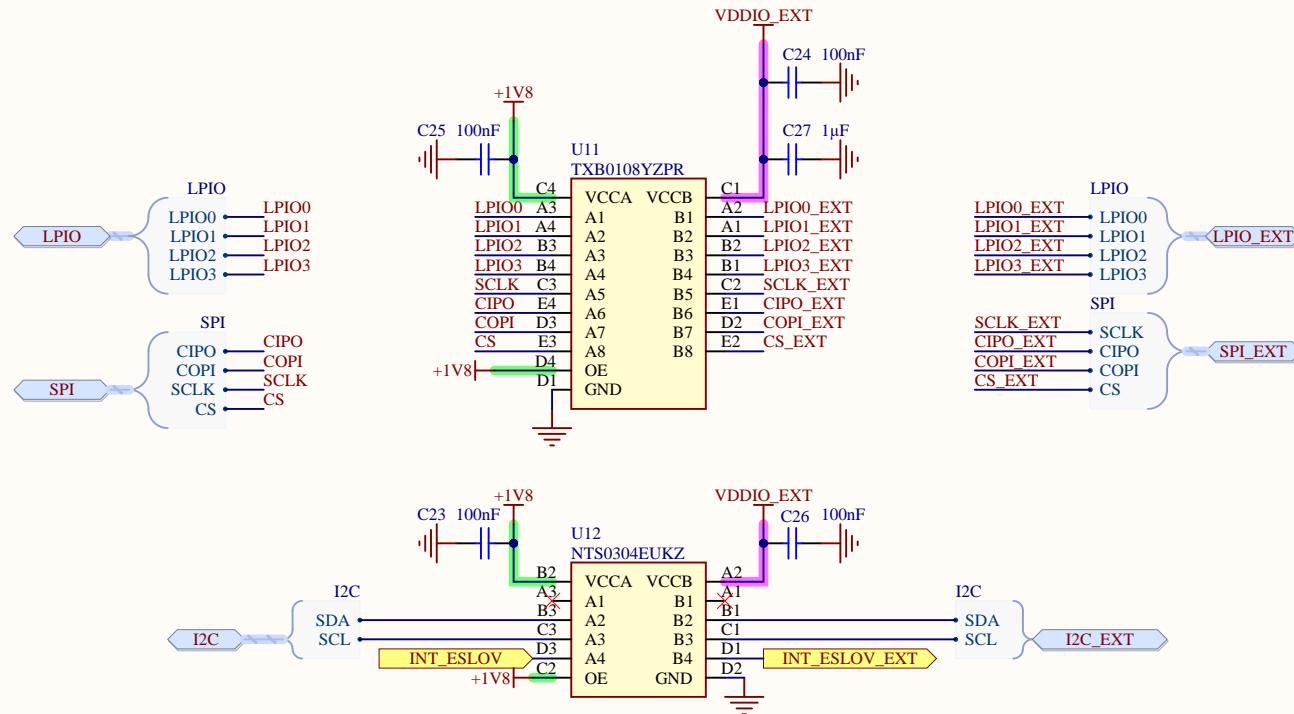
B

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D

D



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Title: LEVEL SHIFTERS

ID: ABX00051

Revision: V1.4

Date: 2022-11-23 Time: 14:28:49

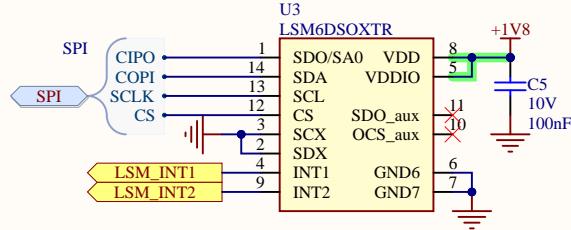
Sheet 6 of 8

File: LevelShifters.SchDoc

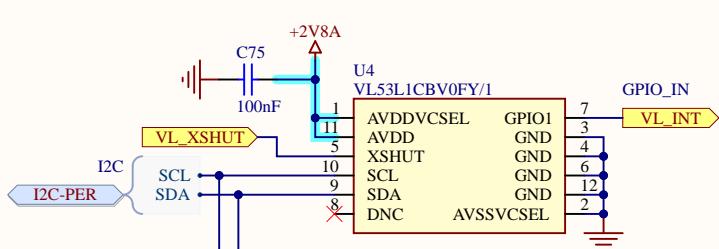
Author: Francesca Cenna



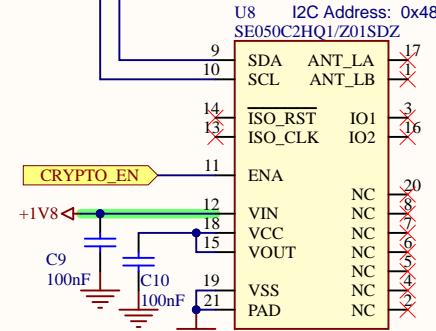
ACCELEROMETER



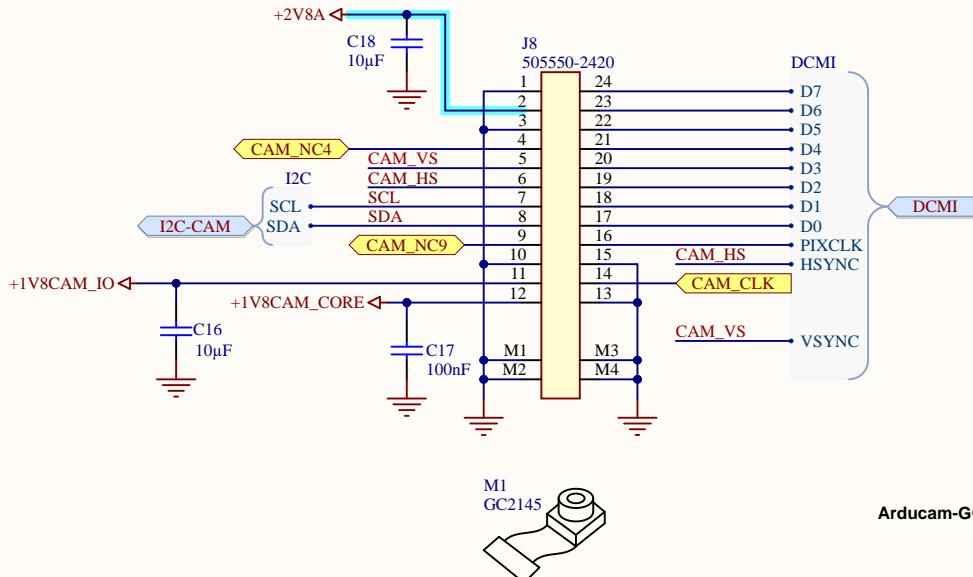
TIME OF FLIGHT I2C 0x52



SECURE ELEMENT I2C 0x48



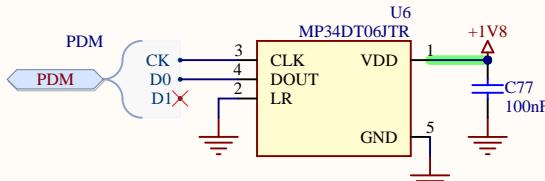
CAMERA



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: V1.4

Date: 2022-11-23

Time: 14:28:52

Sheet 7 of 8

File: Misc.SchDoc

Author: Silvio Navaretti



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A

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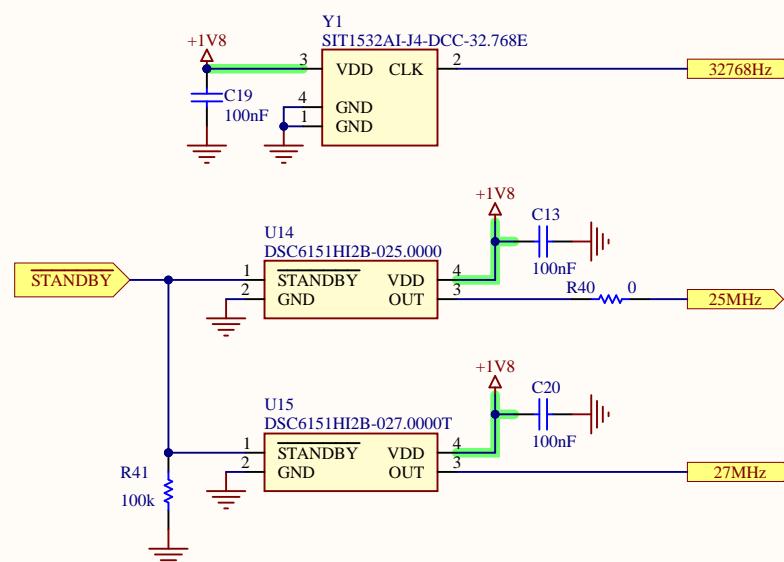
B

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Title: OSCILLATORS

ID: ABX00051

Revision: V1.4

Date: 2022-11-23 Time: 14:28:56

Sheet 8 of 8

File: Oscillators.SchDoc

Author: Silvio Navaretti



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