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Title: **TOP**

ID: **ABX00051**

Revision: **V1.3**

Date: **17/02/2022** Time: **14:59:10**

Sheet **1** of **8**

File: **TOP.SchDoc**

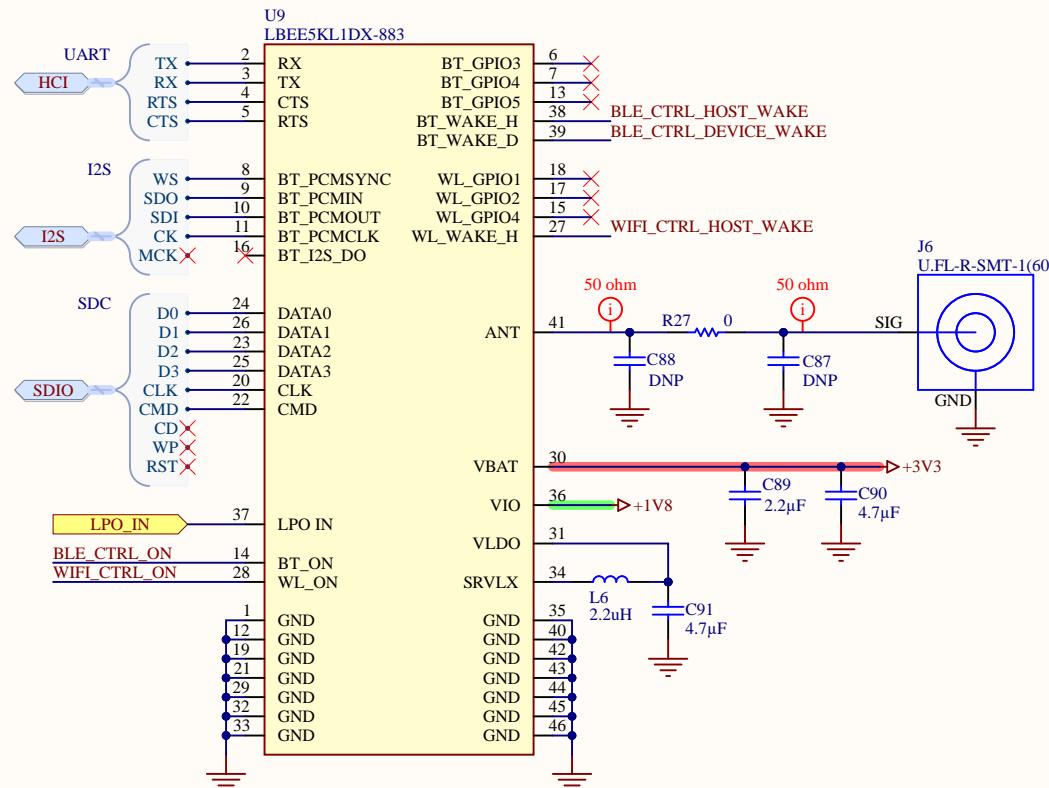
Author: **Silvio Navaretti**



A



B



C

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Title: **WIFI / BLE**

ID: **ABX00051**

Revision: **V1.3**

Date: **17/02/2022**

Time: **14:59:13**

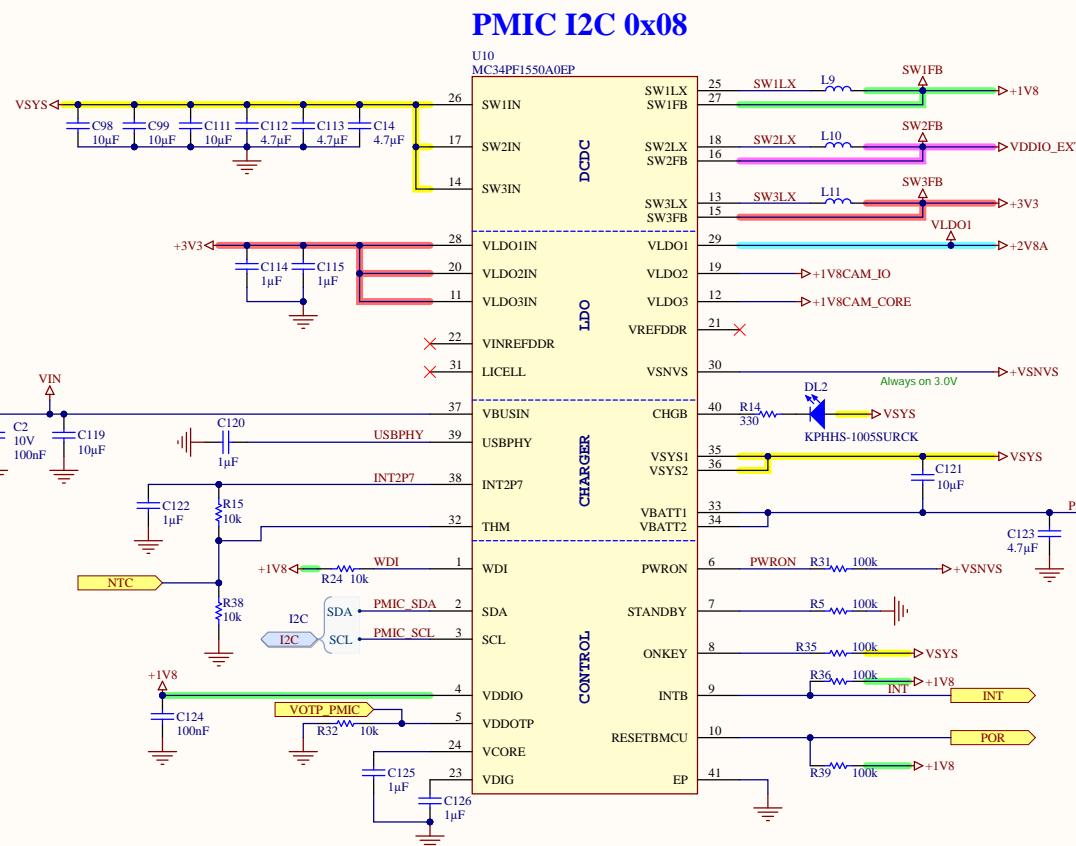
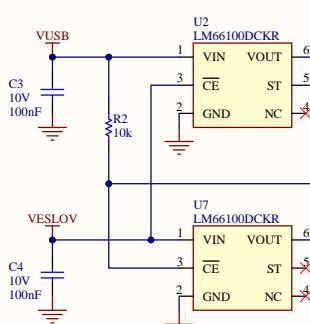
Sheet **2** of **8**

File: **Wifi.SchDoc**

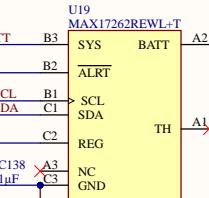
Author: **Arturo Guadalupe**



OR-ING WITH IDEAL DIODES



BATTERY FUEL GAUGE I₂C 0x6C



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Title: POWER

ID: ABX00051

Revision: V1.3

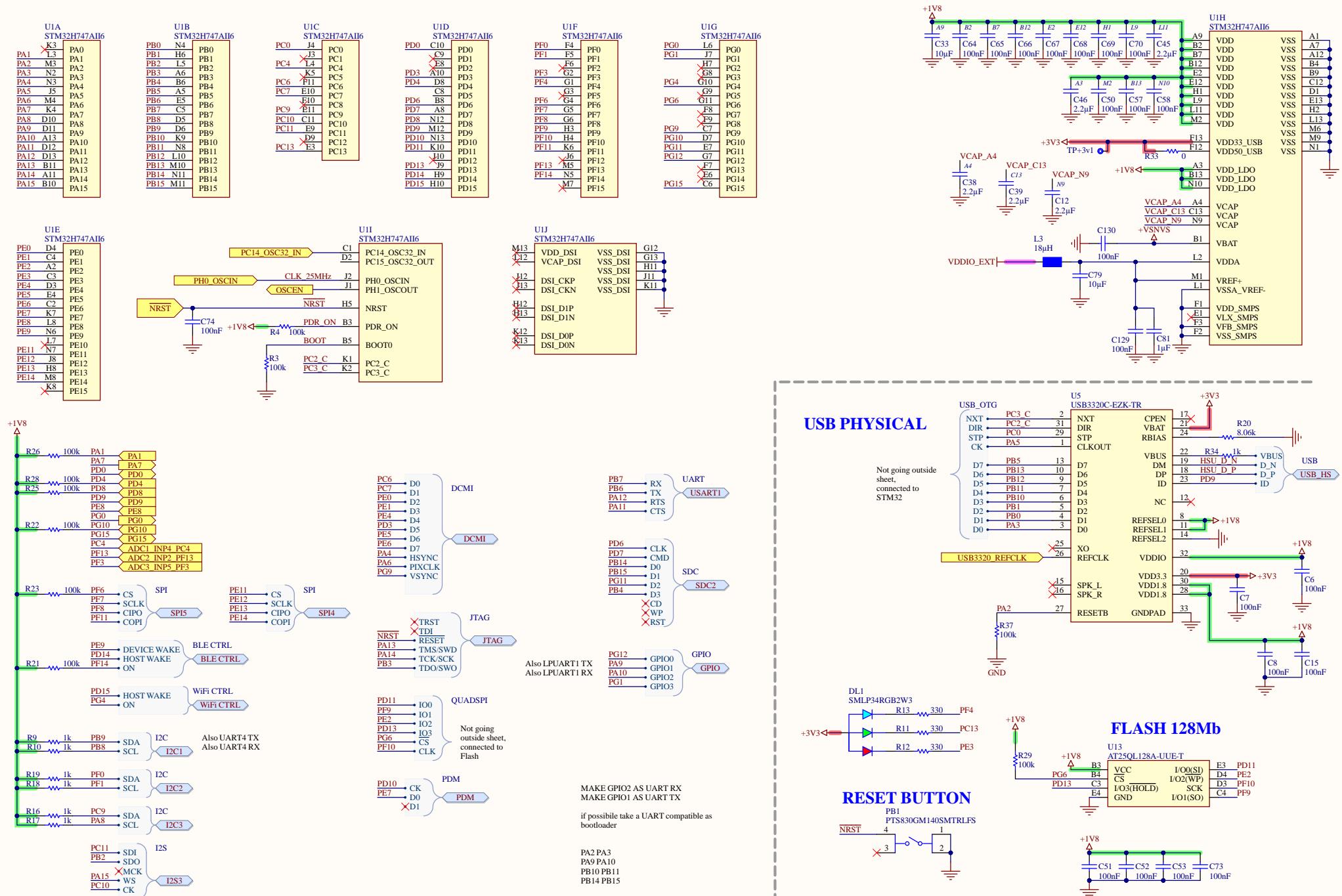
Date: 17/02/2022 Time: 14:59:15 Sheet 3 of 8

File: Power.SchDoc

Author: Arturo Guadalupi

RevAuthor: Silvio Navaretti





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Title: STM32H747

ID: ABX00051	Revision: V1.3
Date: 17/02/2022	Time: 14:59:18
Sheet 4 of 8	
File: STM32H747.SchDoc	Author: Silvio Navaretti



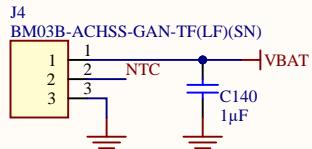
RevAuthor: Silvio Navaretti

1 | 2 | 3 | 4

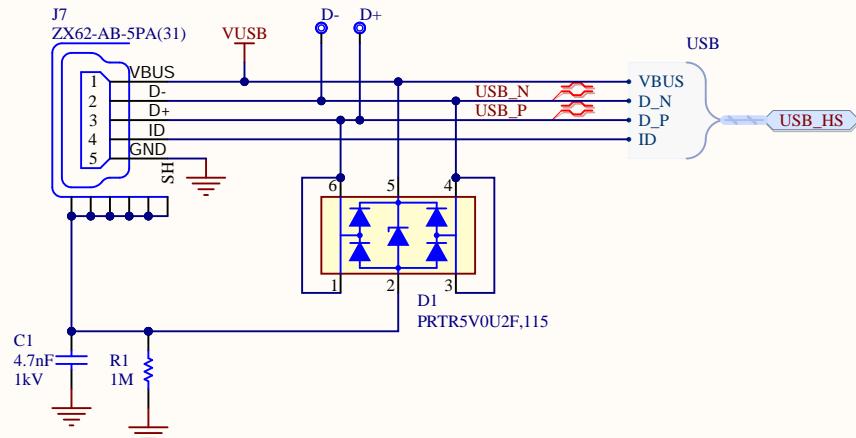
ESLOV CONNECTOR



BATTERY CONNECTOR



USB CONNECTOR

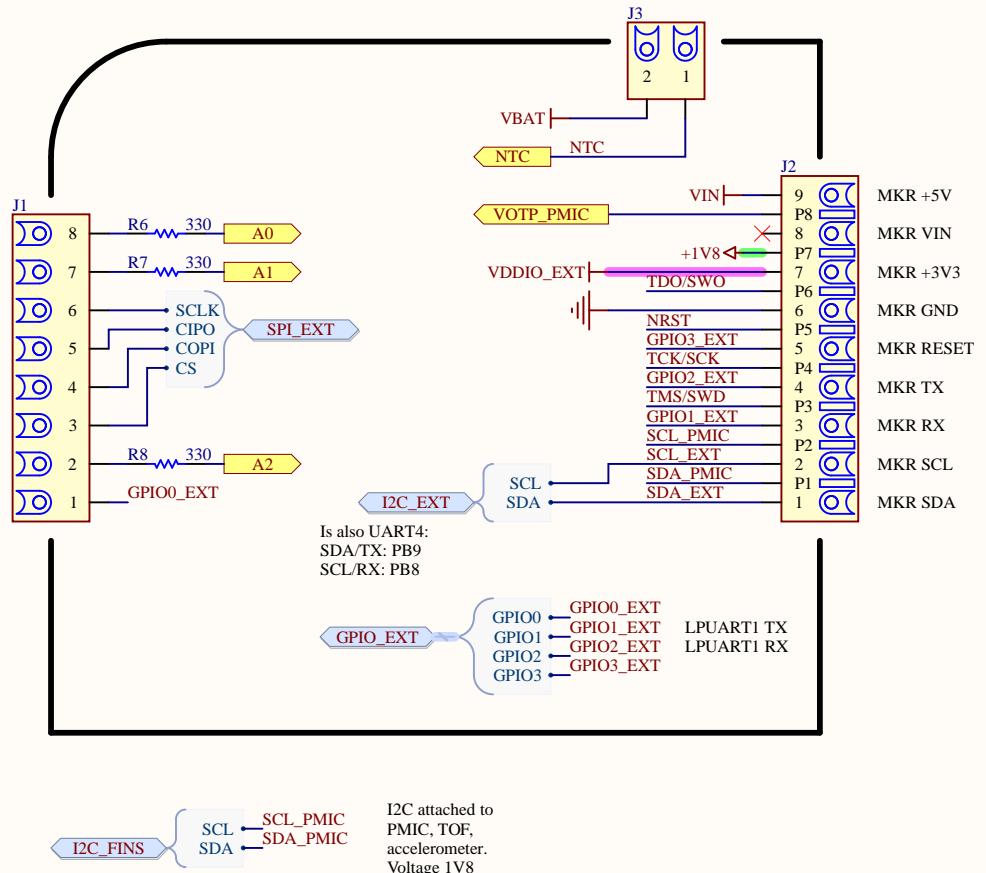


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MKR VIN
MKR +3V3
MKR GND
MKR RESET
MKR TX
MKR RX
MKR D21
MKR D0



Title: CONNECTORS

ID: ABX00051

Revision: V1.3

Date: 17/02/2022 Time: 14:59:20

Sheet 5 of 8

File: Connectors.SchDoc

Author: Silvio Navaretti



1 | 2 | 3 | 4

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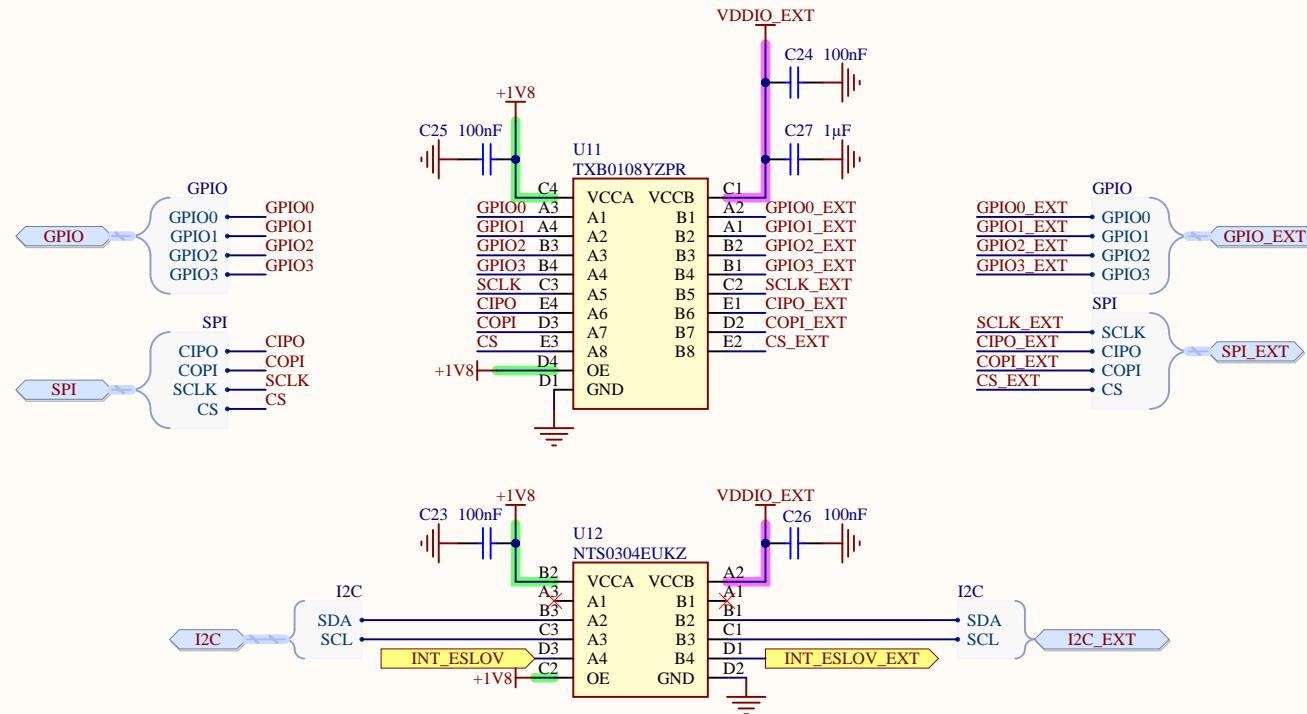
B

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C

D

D



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Title: LEVEL SHIFTERS

ID: ABX00051

Revision: V1.3

Date: 17/02/2022 Time: 14:59:23

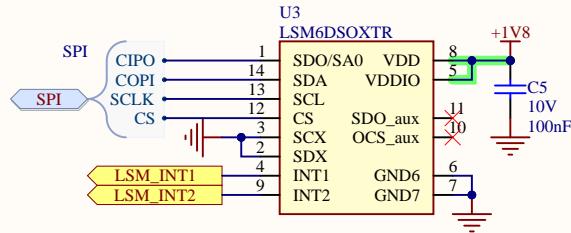
Sheet 6 of 8

File: LevelShifters.SchDoc

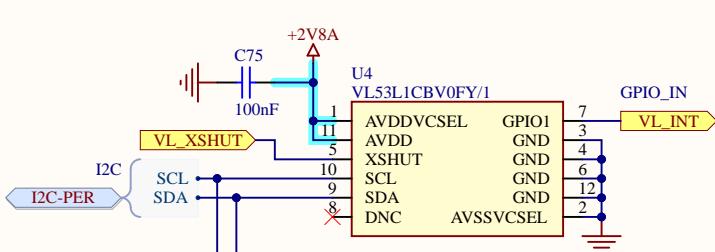
Author: Francesca Cenna



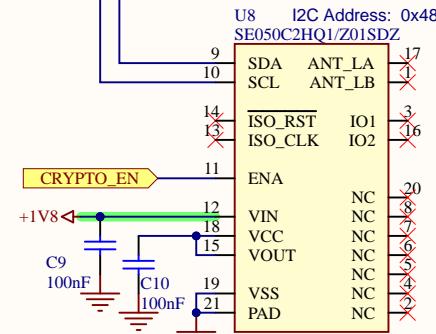
ACCELEROMETER



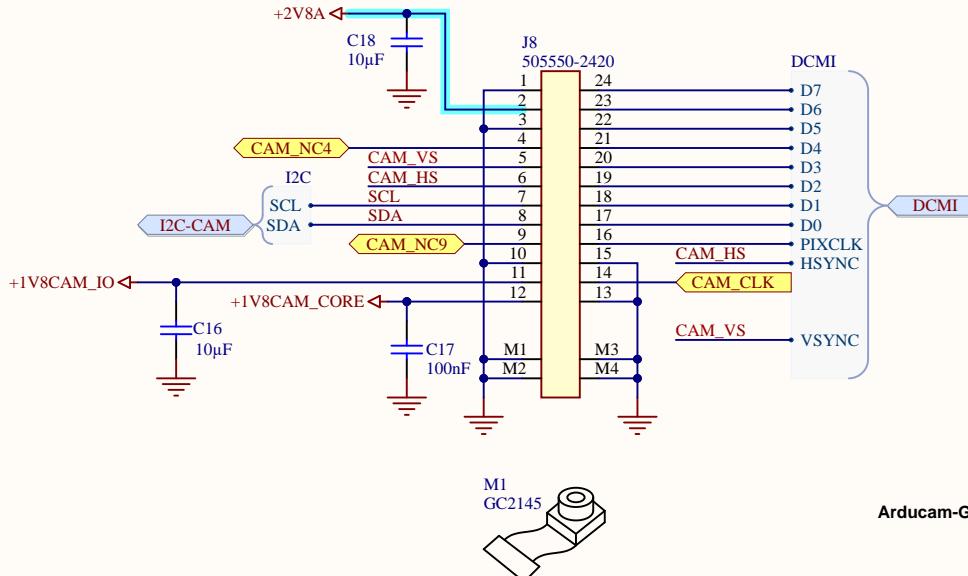
TIME OF FLIGHT I2C 0x52



SECURE ELEMENT I2C 0x48

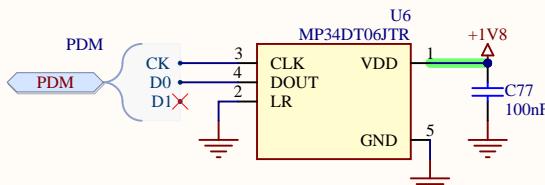


CAMERA



Arducam-GC2145 camera module pinout

MICROPHONE



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Title: MISCELLANEOUS

ID: ABX00051

Revision: V1.3

Date: 17/02/2022 Time: 14:59:25

Sheet 7 of 8

File: Misc.SchDoc Author: Silvio Navaretti RevAuthor: Silvio Navaretti



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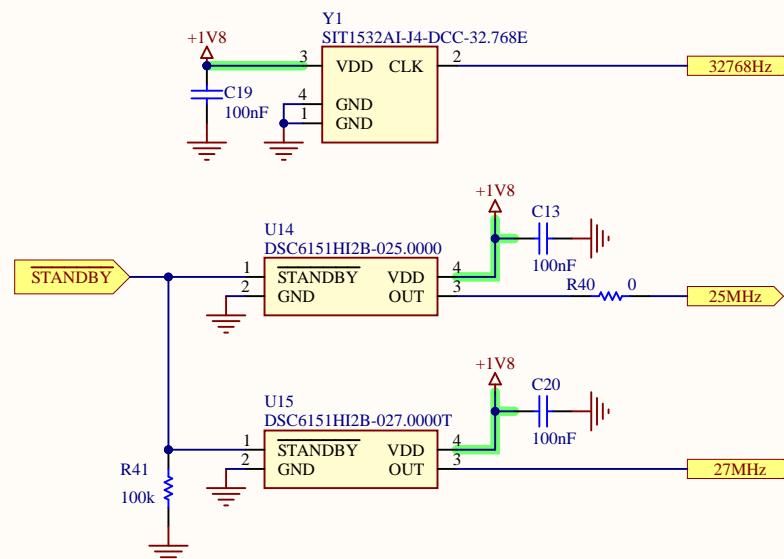
B

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C

D

D



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Title: OSCILLATORS

ID: ABX00051

Revision: V1.3

Date: 17/02/2022 Time: 14:59:28

Sheet 8 of 8

File: Oscillators.SchDoc

Author: Silvio Navaretti

