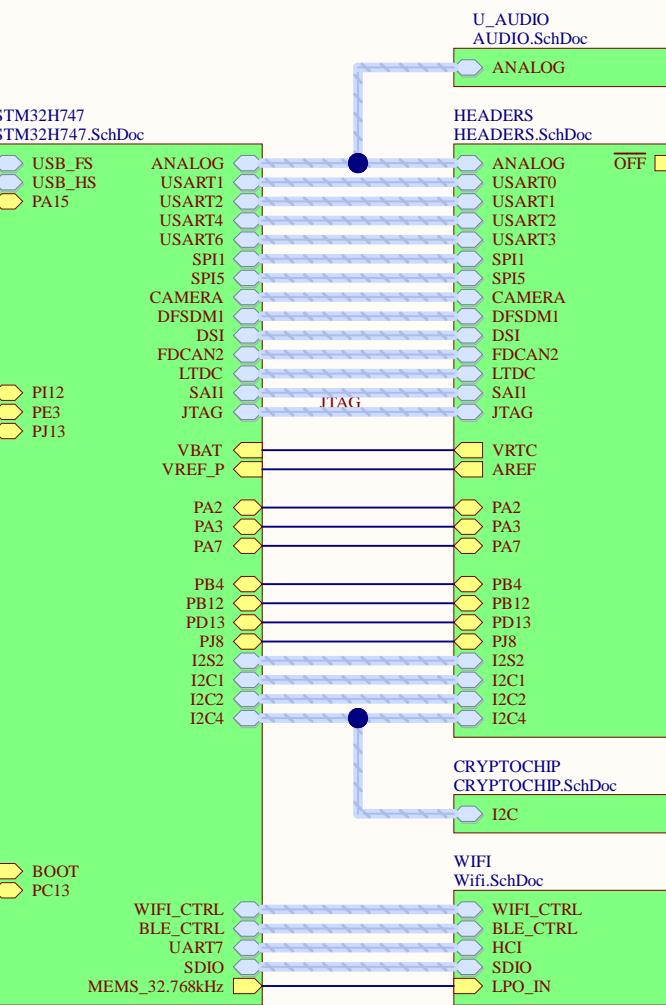
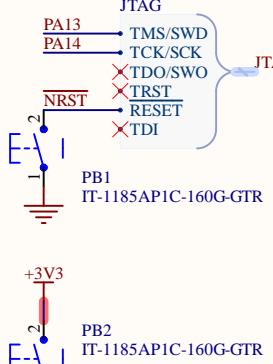
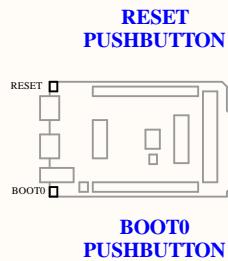
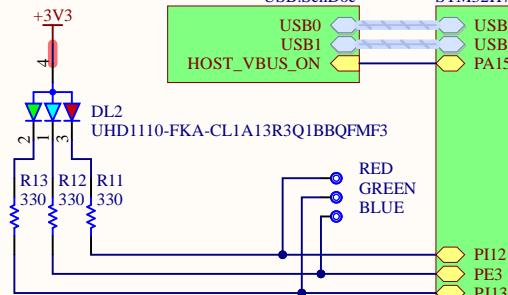
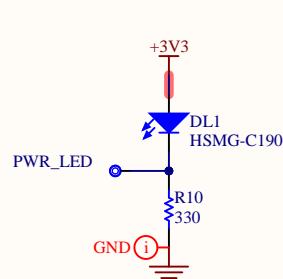


A



USART names are different between the H7 and the headers since the headers follow the Arduino DUE standard.

I2C4 shared between:
JDIGITAL, Camera, Cryptochip

- | | |
|------------------|--------------|
| Fiducial bottom | ✗ Fiducial_1 |
| H7 fiducial left | ✗ Fiducial_2 |
| Flash fiducial | ✗ Fiducial_3 |
| MEMS fiducial | ✗ Fiducial_4 |
| Fiducial bottom | ✗ Fiducial_5 |

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Title: TOP

ID: ABX00063

Version: V1.6

Date: 12/19/2023

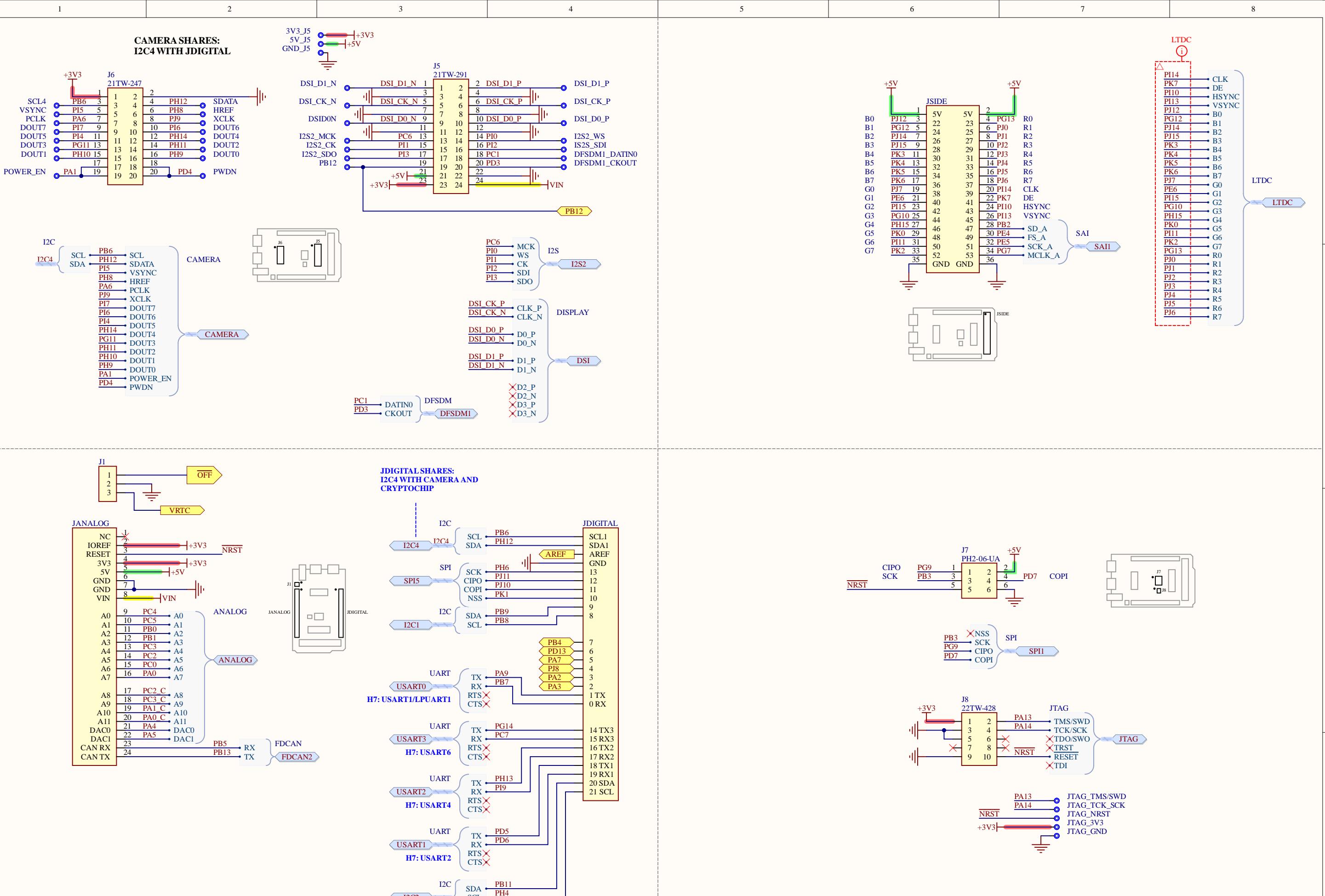
Time: 9:51:49 AM

Sheet 1 of 8

File: TOP.SchDoc

Author: Silvio Navaretti





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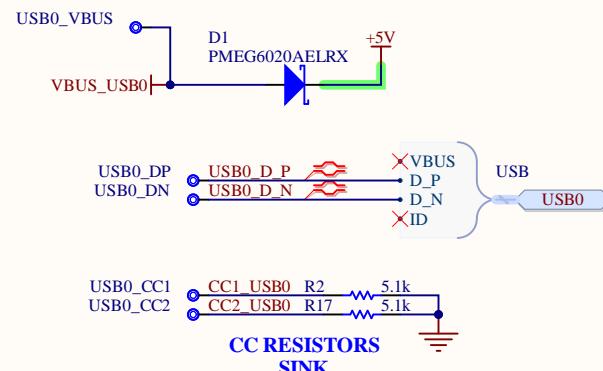
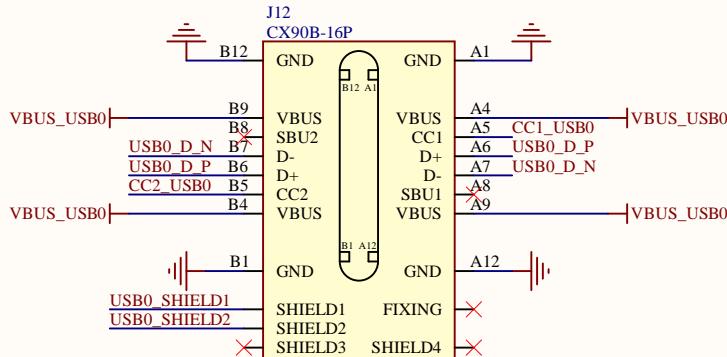
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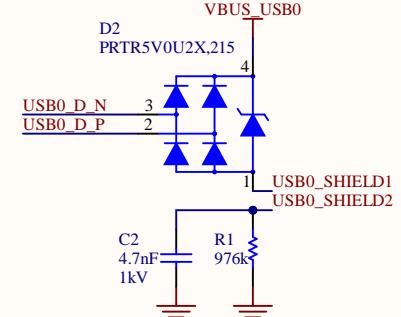
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Title: HEADERS			
ID: ABX00063	Version: V1.6		
Date: 12/19/2023	Time: 9:51:55 AM	Sheet 2 of 8	
File: HEADERS SchDoc	Author: Silvio Navaretti	Rev Author: Silvio Navaretti	

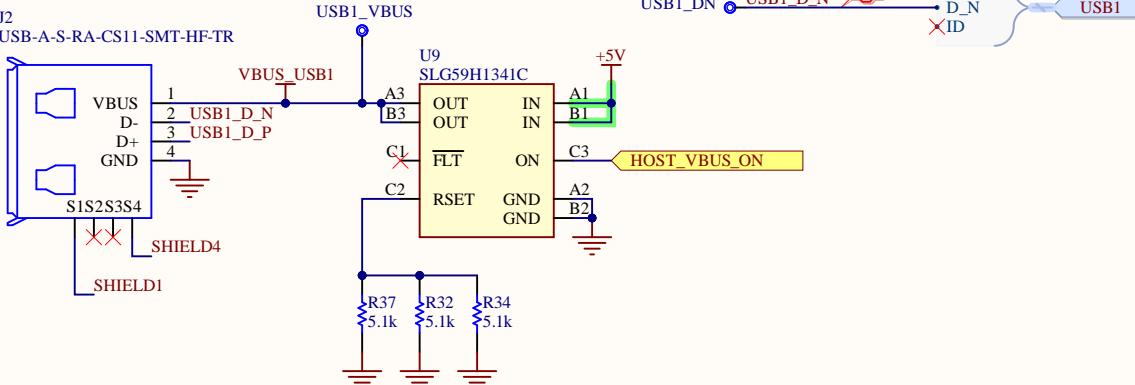
USB0 USB C SINK CONNECTOR



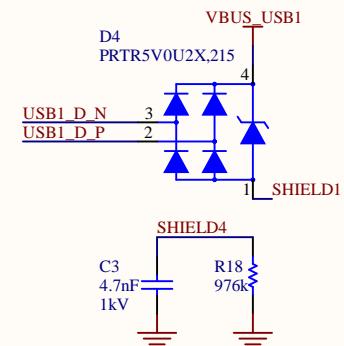
ESD PROTECTION



USB1 USB A-SOURCE CONNECTOR



ESD PROTECTION



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Title: USB

ID: ABX00063

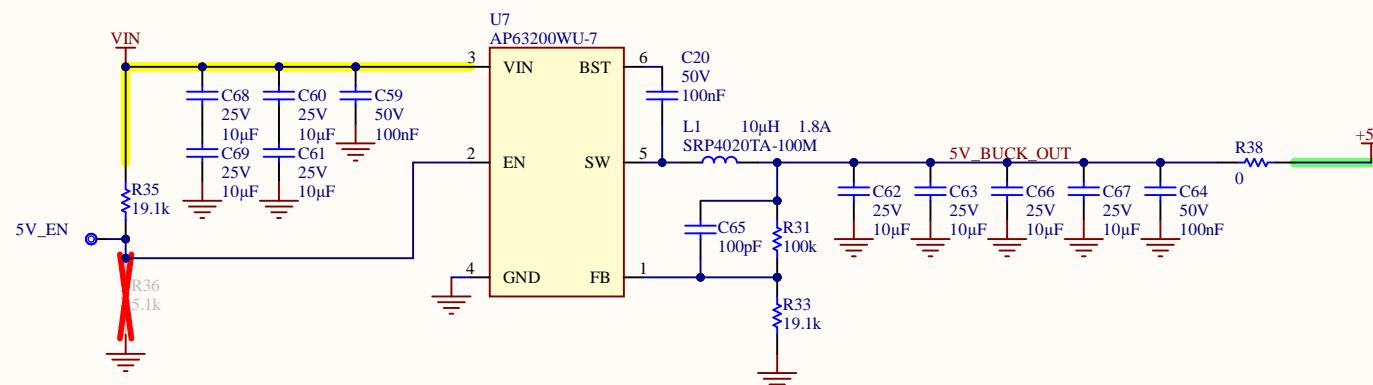
Version: V1.6

Date: 12/19/2023 Time: 9:52:01 AM Sheet 3 of 8

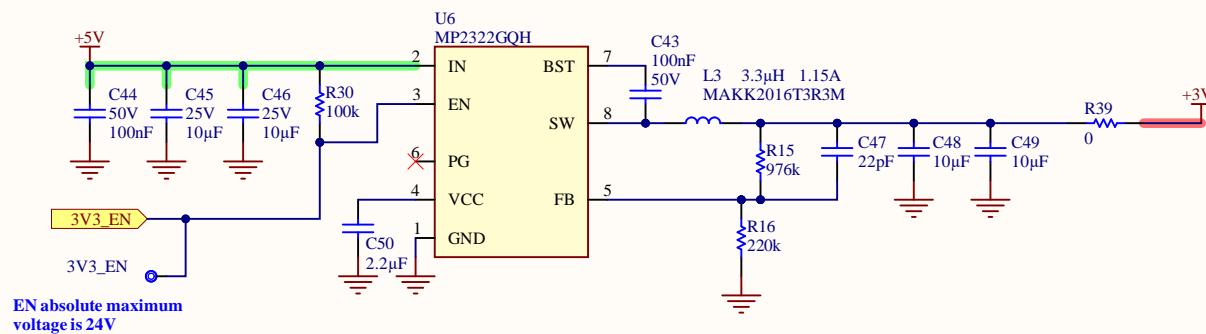
File: USB.SchDoc



5V STEP DOWN



3V3 STEP DOWN



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Title: POWER

ID: ABX00063

Version: V1.6

Date: 12/19/2023

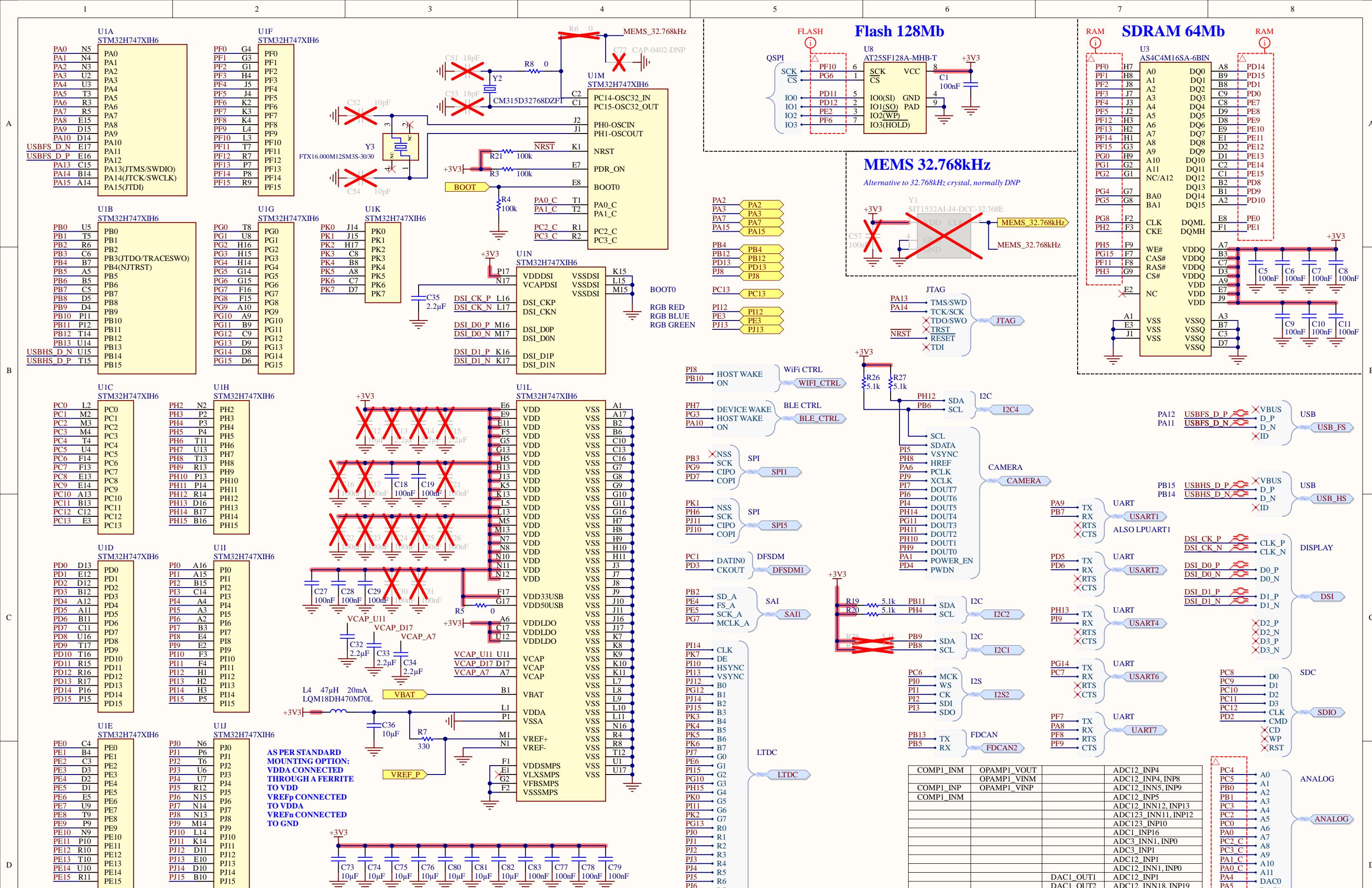
Time: 9:52:06 AM

Sheet 4 of 8

File: POWER.SchDoc

Author: Silvio Navaretti





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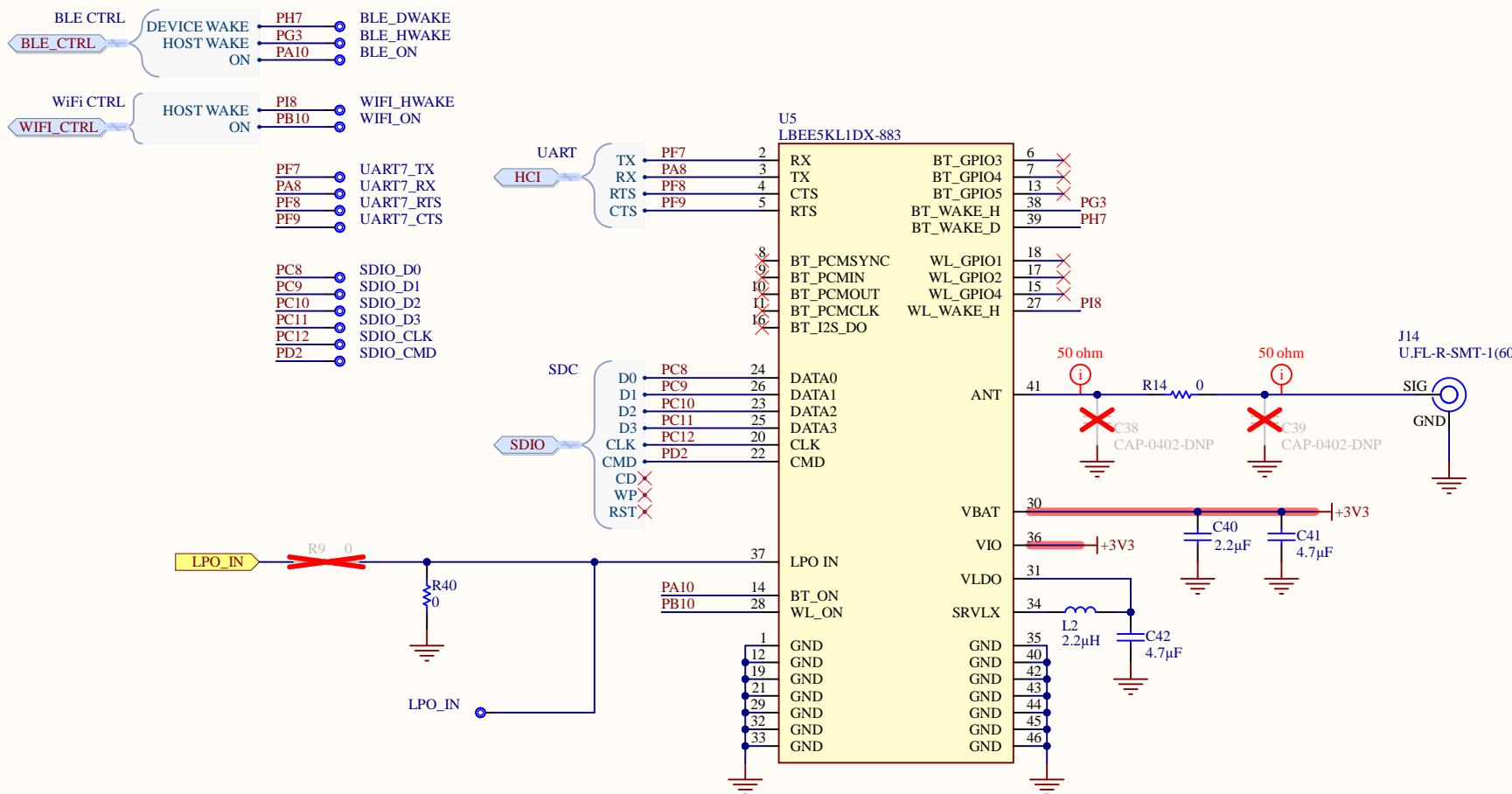
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Title: STM32H747

ID: ABX00063

Date: 12/19/2023 Time: 9:52:12 AM Sheet 5 of 5





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Title: WIFI / BLE

ID: ABX00063

Version: V1.6

Date: 12/19/2023

Time: 9:52:17 AM

Sheet 6 of 8

File: Wifi.SchDoc

Author: Silvio Navaretti



A

A

B

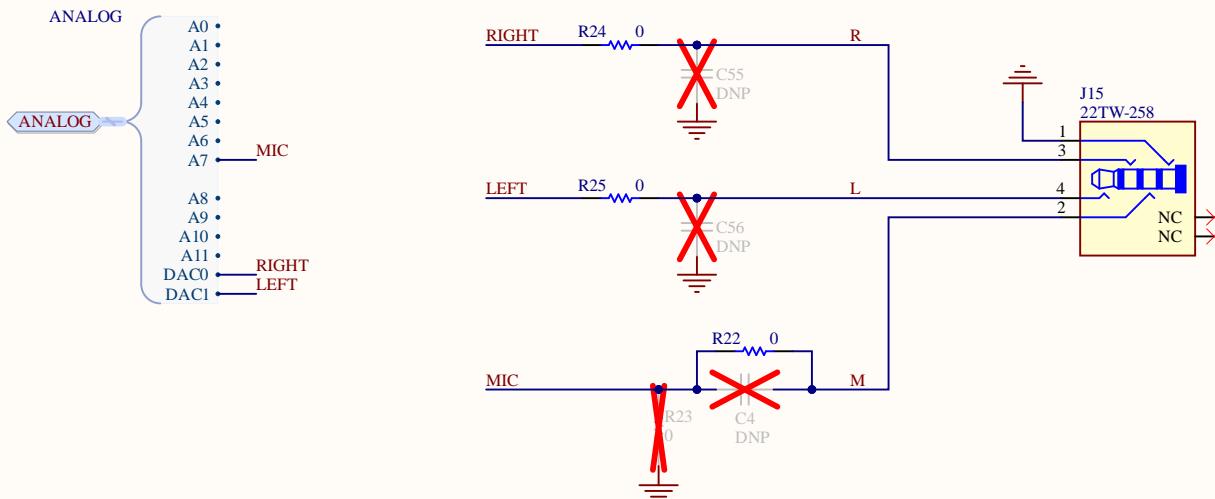
B

C

C

D

D



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Title: AUDIO

ID: ABX00063

Version: V1.6

Date: 12/19/2023 Time: 9:52:23 AM Sheet 7 of 8

File: AUDIO.SchDoc

Author: Silvio Navaretti



A

A

B

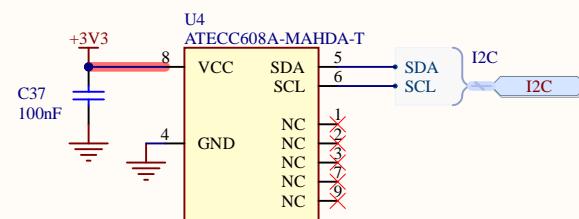
B

C

C

D

D



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Title: CRYPTO

ID: ABX00063

Version: V1.6

Date: 12/19/2023 Time: 9:52:29 AM Sheet 8 of 8

File: CRYPTOCHIP.SchDoc

