

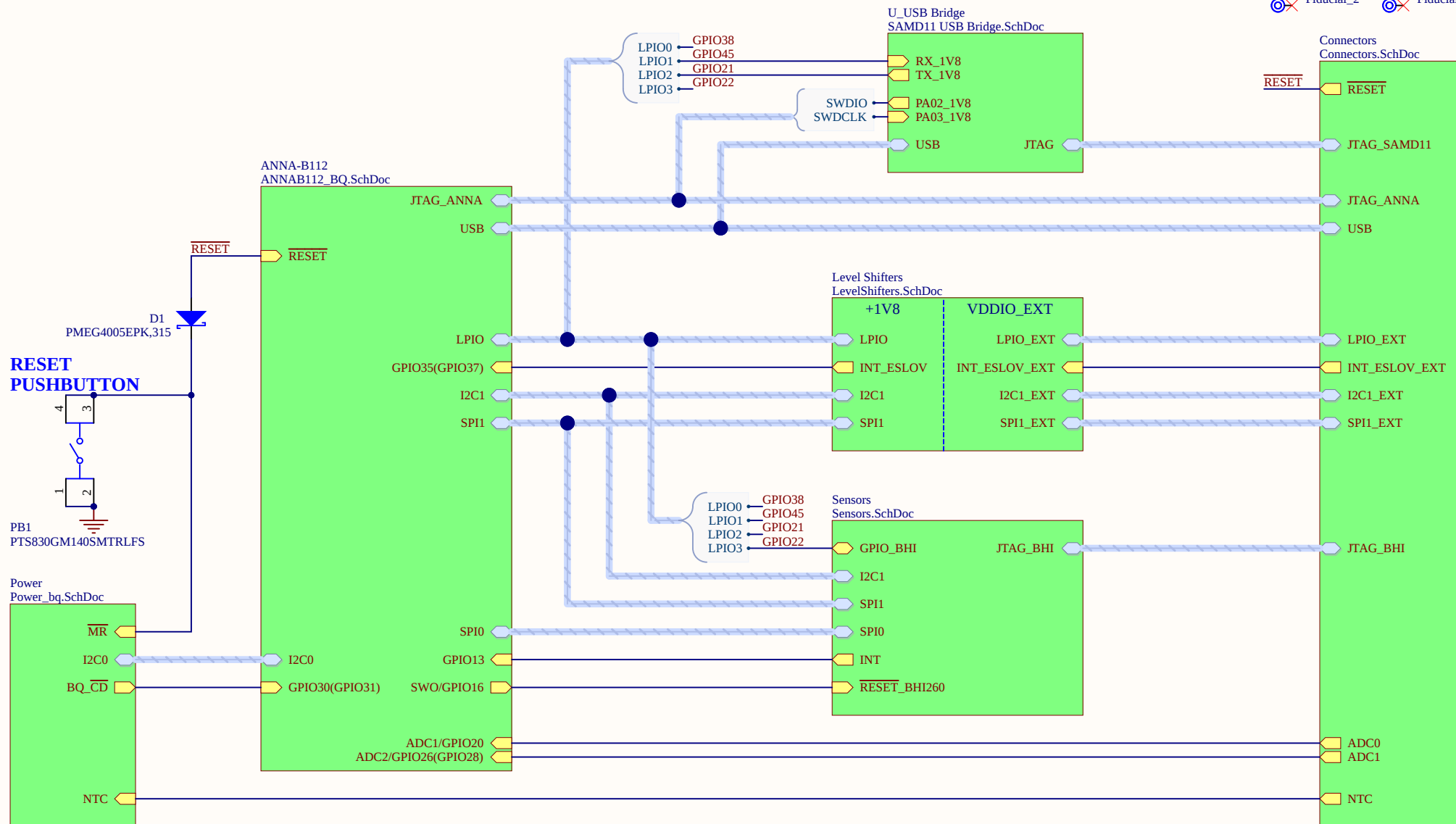
1

2

3

4

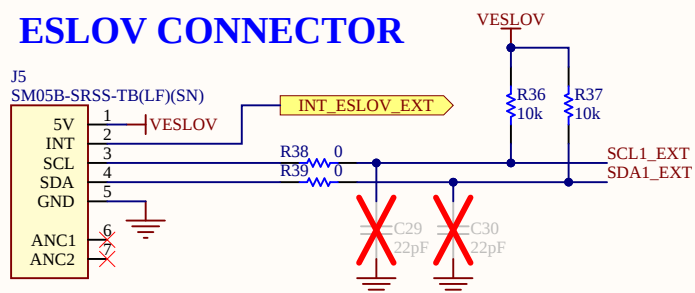
Fiducial_1
Fiducial_2
Fiducial_3
Fiducial_4



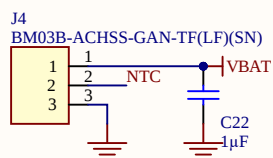
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Title: **TOP**ID: **ABX00050**Revision: **V1.0**Date: **2022-11-25** Time: **17:34:42**Sheet **1** of **7**File: **TOP.SchDoc**Author: **Francesca Cenna**RevAuthor: **Silvio Navaretti**

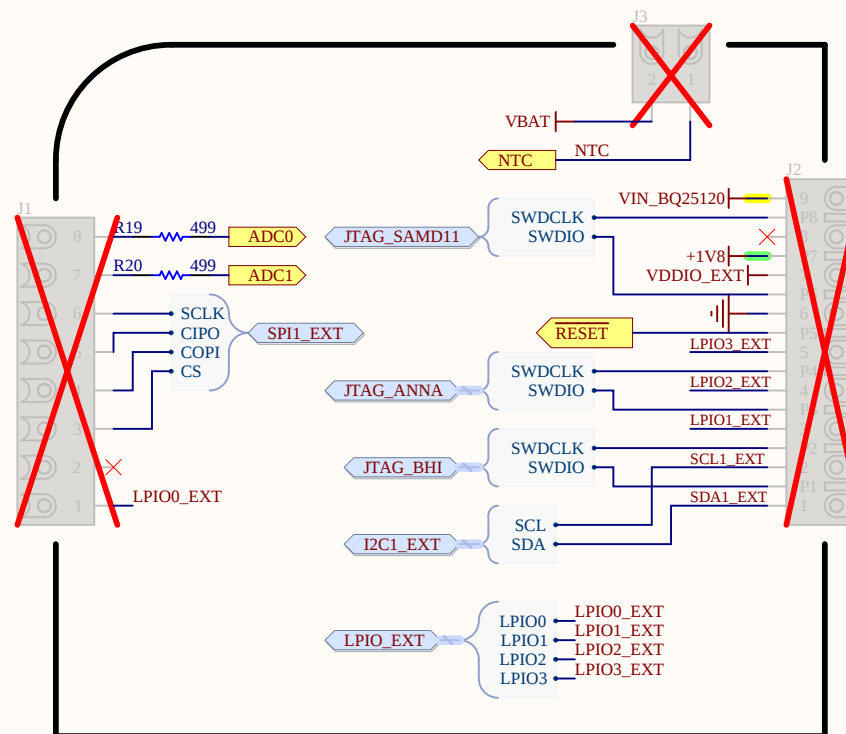
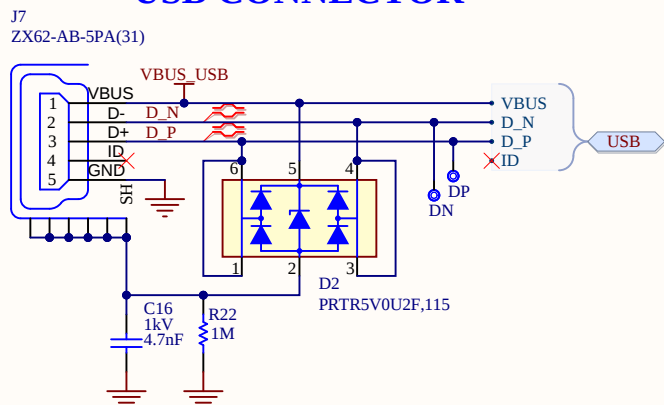
ESLOV CONNECTOR



BATTERY CONNECTOR



USB CONNECTOR



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Title: **CONNECTORS**

ID: **ABX00050**

Revision: **V1.0**

Date: **2022-11-25** Time: **17:34:45**

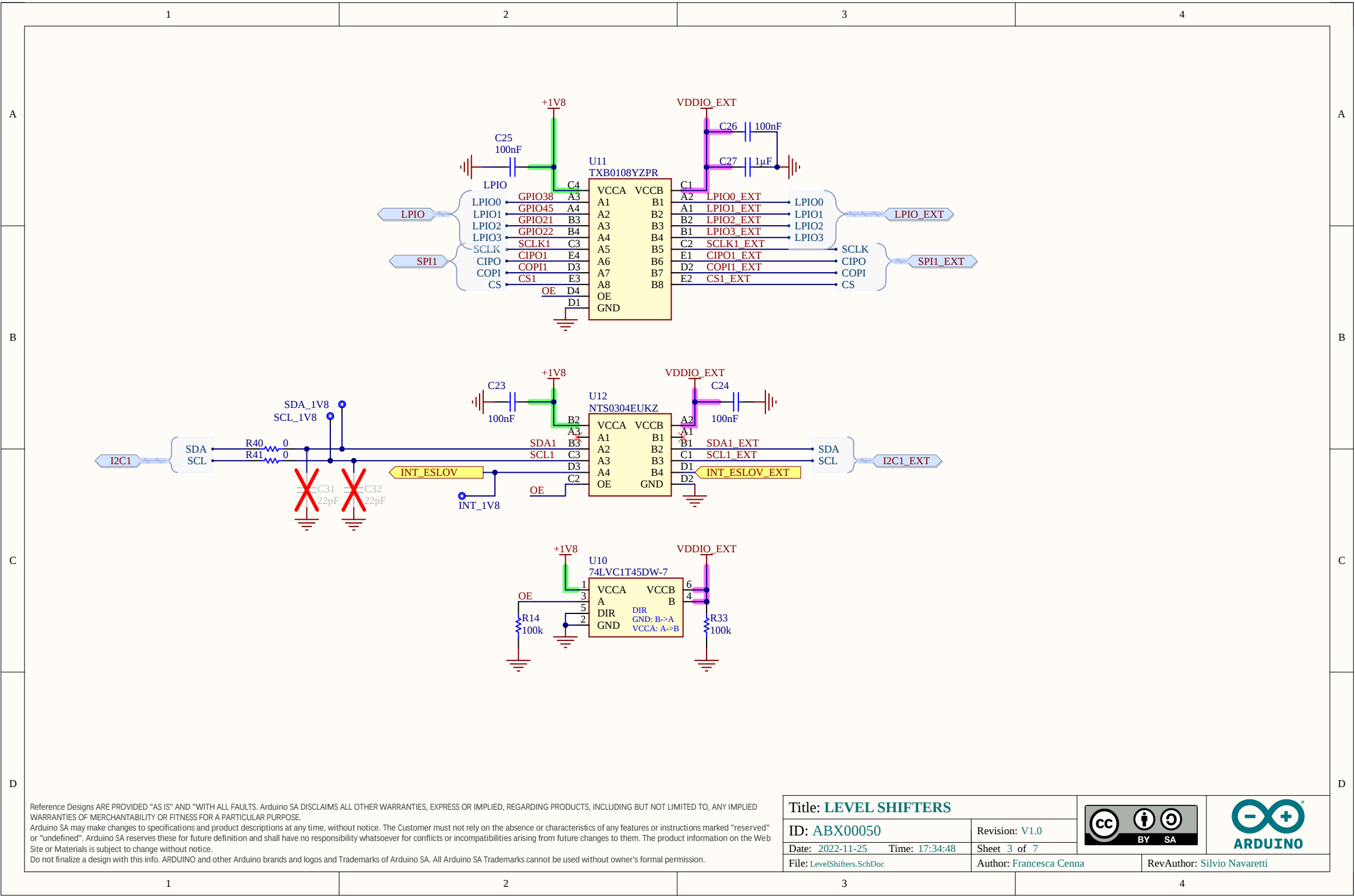
Sheet **2** of **7**

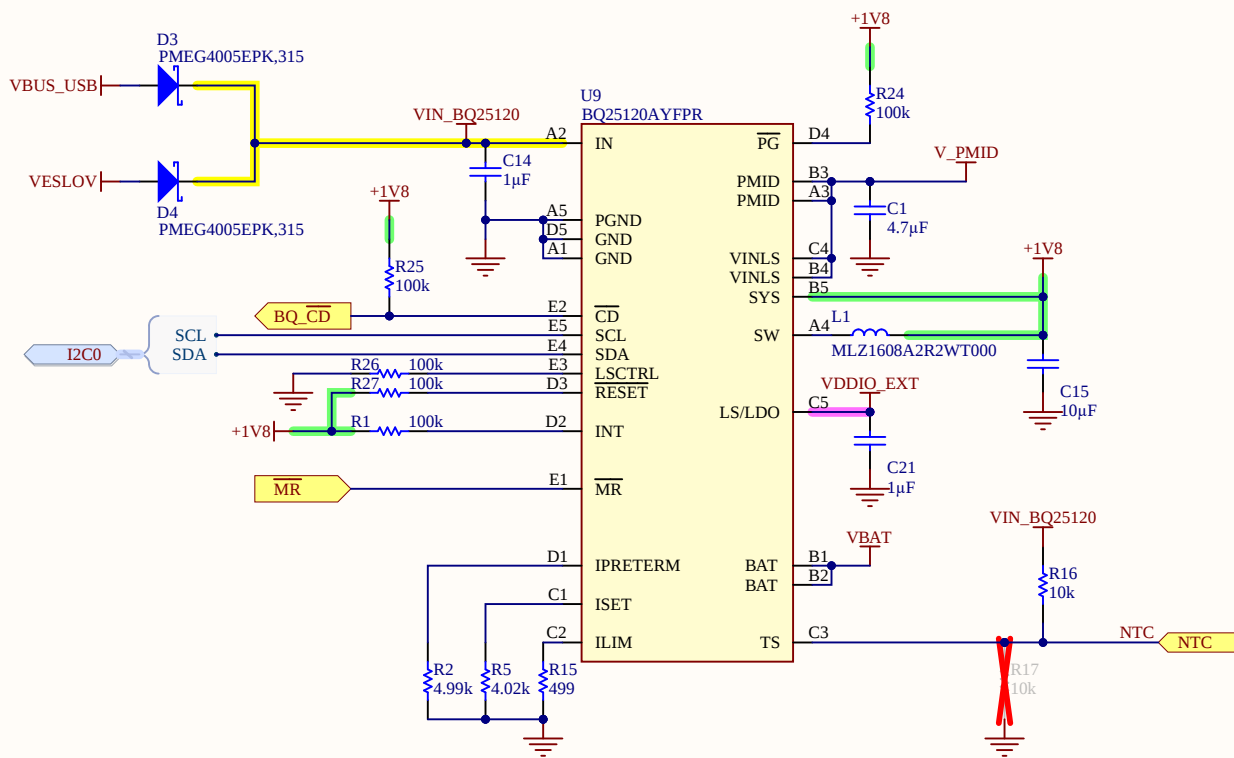
File: **Connectors.SchDoc**

Author: **Francesca Cenna**

RevAuthor: **Silvio Navaretti**







BATTERY-PACK NTC MONITOR			MIN	TYP	MAX	UNIT
V _{HOT}	High temperature threshold	V _{TS} falling, 1% V _{IN} Hysteresis	14.5	15	15.2	%V _{IN}
V _{WARM}	Warm temperature threshold	V _{TS} falling, 1% V _{IN} Hysteresis	20.1	20.5	20.8	%V _{IN}
V _{COOL}	Cool temperature threshold	V _{TS} rising, 1% V _{IN} Hysteresis	35.4	36	36.4	%V _{IN}
V _{COLD}	Low temperature threshold	V _{TS} rising, 1% V _{IN} Hysteresis	39.3	39.8	40.2	%V _{IN}
TS _{OFF}	TS Disable threshold	V _{TS} rising, 2% V _{IN} Hysteresis	55		60	%V _{IN}

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Title: **POWER**

ID: **ABX00050**

Revision: **V1.0**

Date: **2022-11-25** Time: **17:34:50**

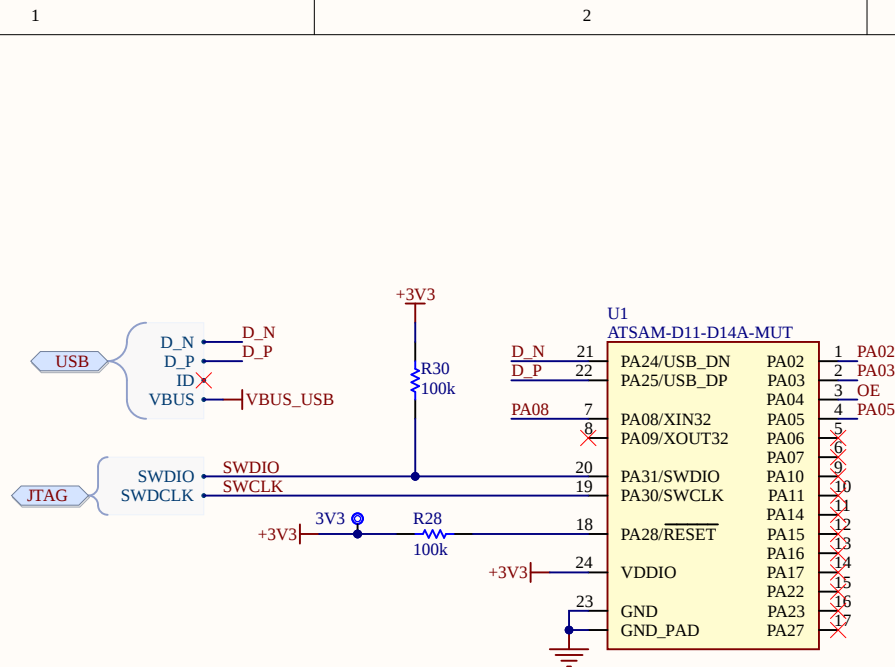
Sheet **4** of **7**

File: **Power_bq.SchDoc**

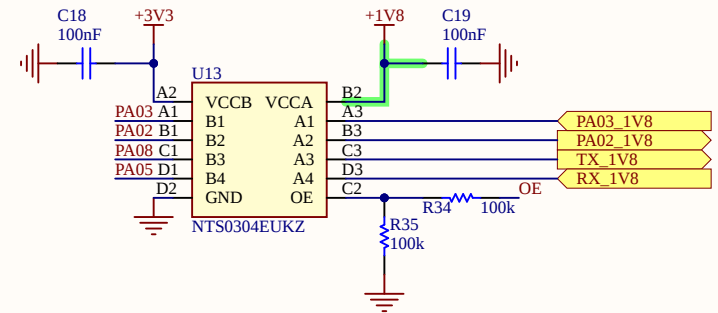
Author: **Francesca Cenna**

RevAuthor: **Silvio Navaretti**

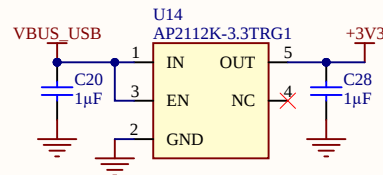




LEVEL TRANSLATOR



LDO 3V3



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Title: **USB BRIDGE**

ID: **ABX00050**

Date: **2022-11-25** Time: **17:34:53**

File: **SAMD11 USB Bridge.SchDoc**

Revision: **V1.0**

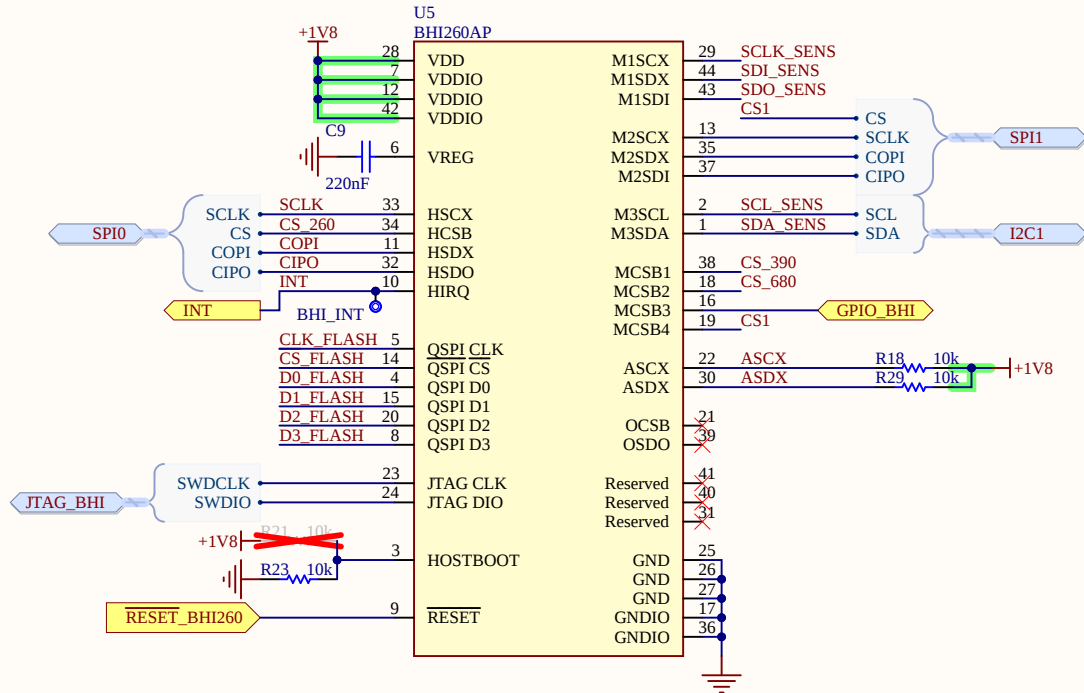
Sheet **5** of **7**

Author: **Francesca Cenna**

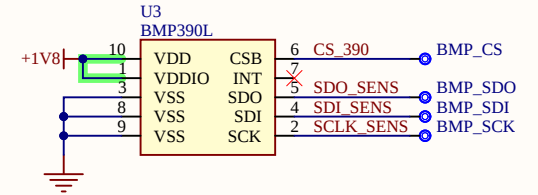
RevAuthor: **Silvio Navaretti**



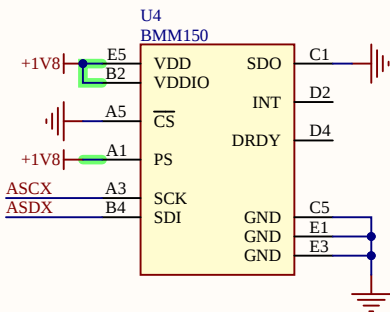
Sensor Fusion / 6 DOF IMU



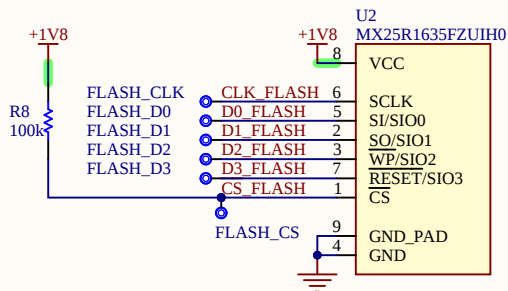
Pressure Sensor



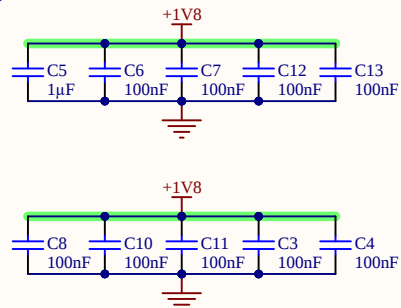
Magnetometer



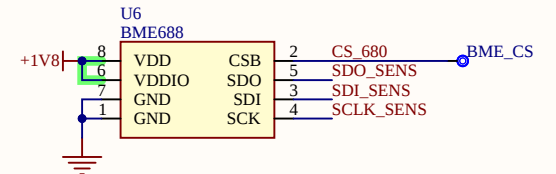
BHI Flash



Bypass Capacitors



Pressure, Humidity, Temperature, VOC

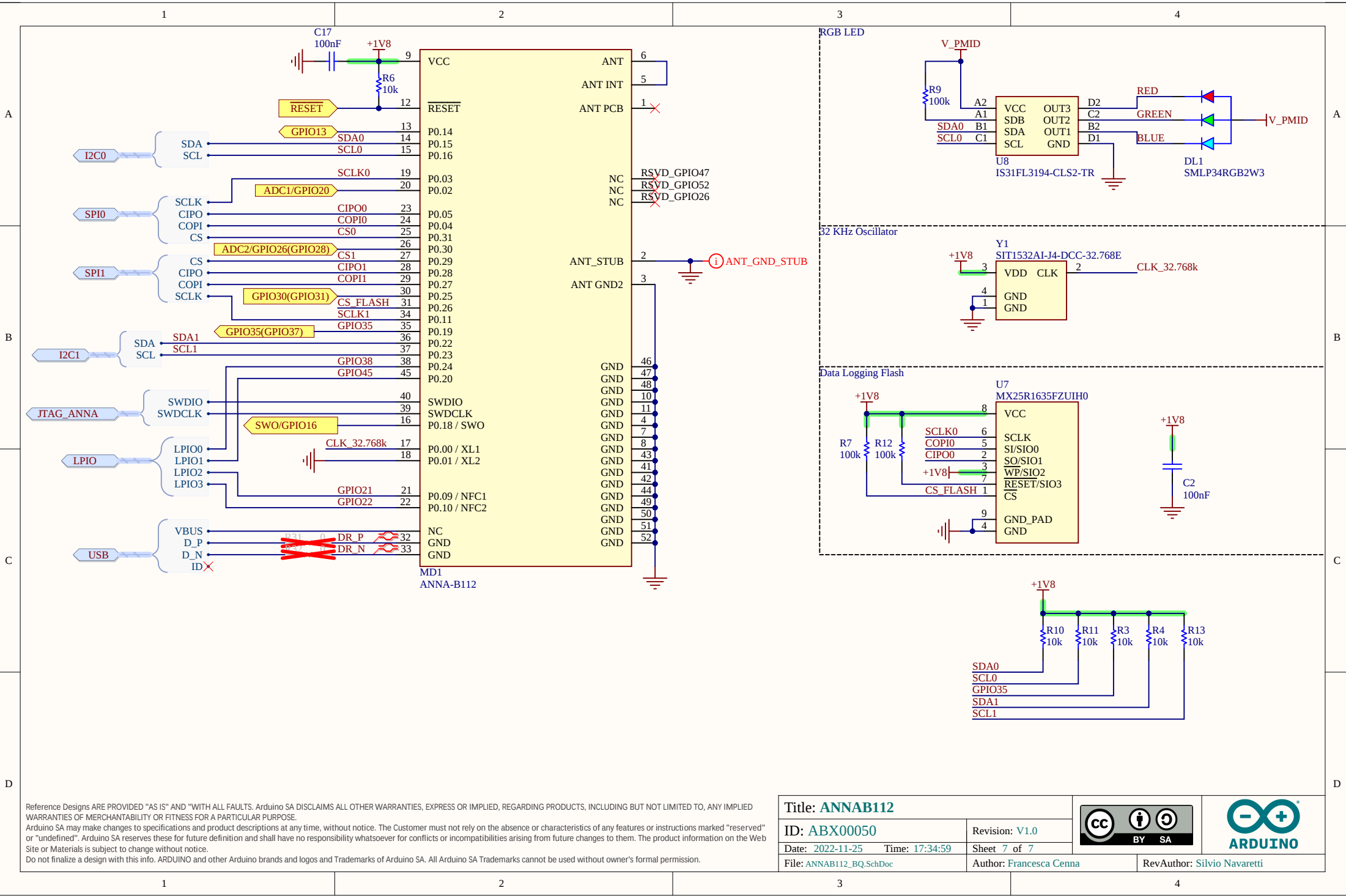


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Title: **SENSORS**ID: **ABX00050**Date: **2022-11-25** Time: **17:34:56**File: **Sensors.SchDoc**Revision: **V1.0**Sheet **6** of **7**Author: **Francesca Cenna**RevAuthor: **Silvio Navaretti**



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Title: ANNAB112				
ID: ABX00050	Revision: V1.0			
Date: 2022-11-25	Time: 17:34:59	Sheet 7 of 7		
File: ANNAB112_BQ.SchDoc		Author: Francesca Cenna	RevAuthor: Silvio Navaretti	