

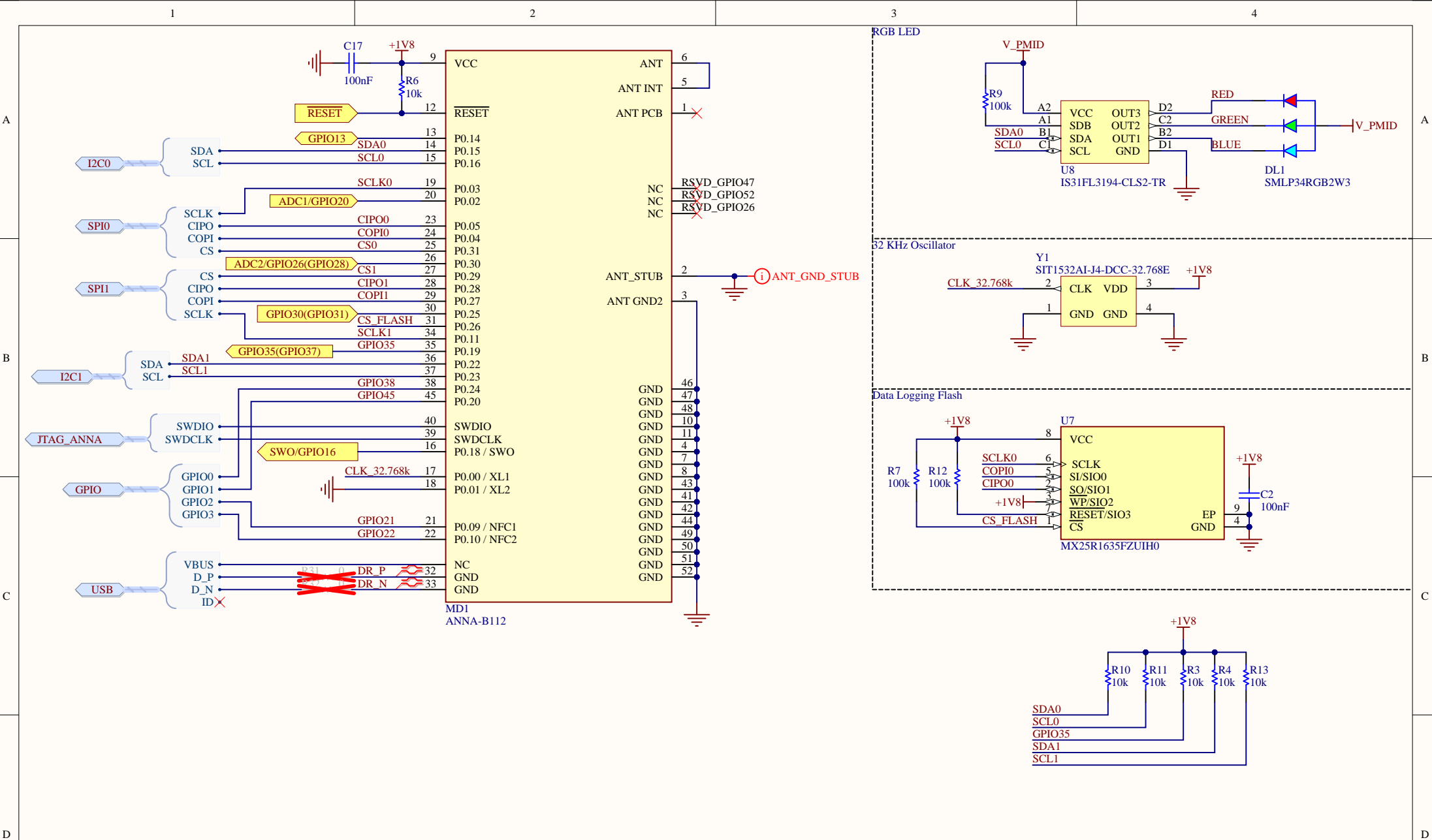


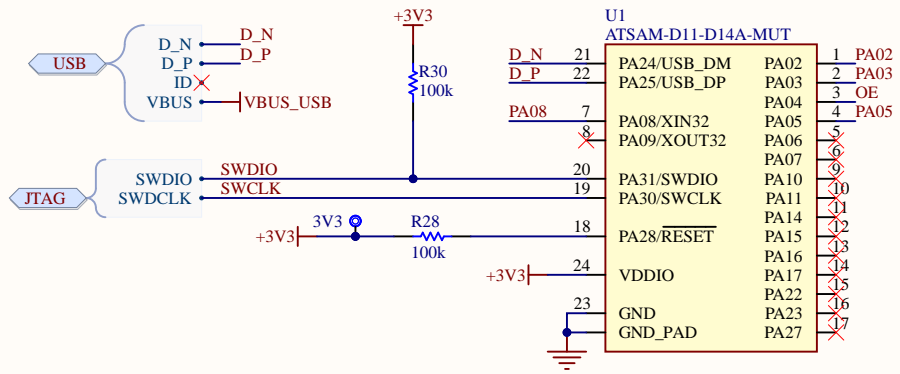
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Title: TOP				
ID: ABX00050		Revision: V0.7		
Date: 05/07/2021	Time: 14:24:49	Sheet 1 of 7		
File: TOP.SchDoc		Author: Francesca Cenna		RevAuthor: S.Navaretti

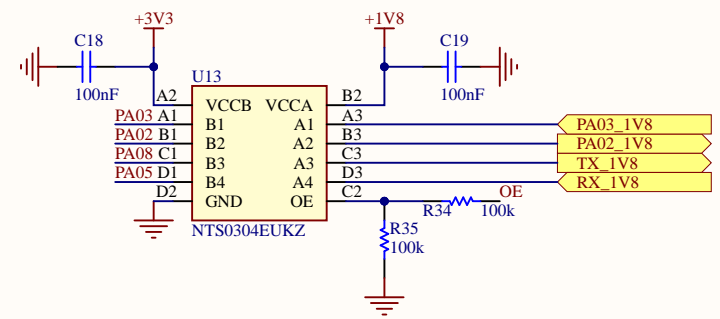


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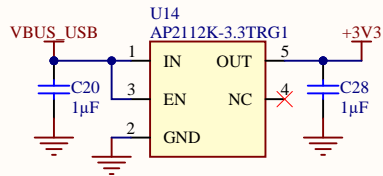
Title: ANNAB112		Revision: V0.7			
ID: ABX00050	Date: 05/07/2021	Time: 14:24:51	Sheet 2 of 7		
File: ANNAB112_BQ,SchDoc	Author: Francesca Cenna		RevAuthor: S.Navaretti		





LEVEL TRANSLATOR



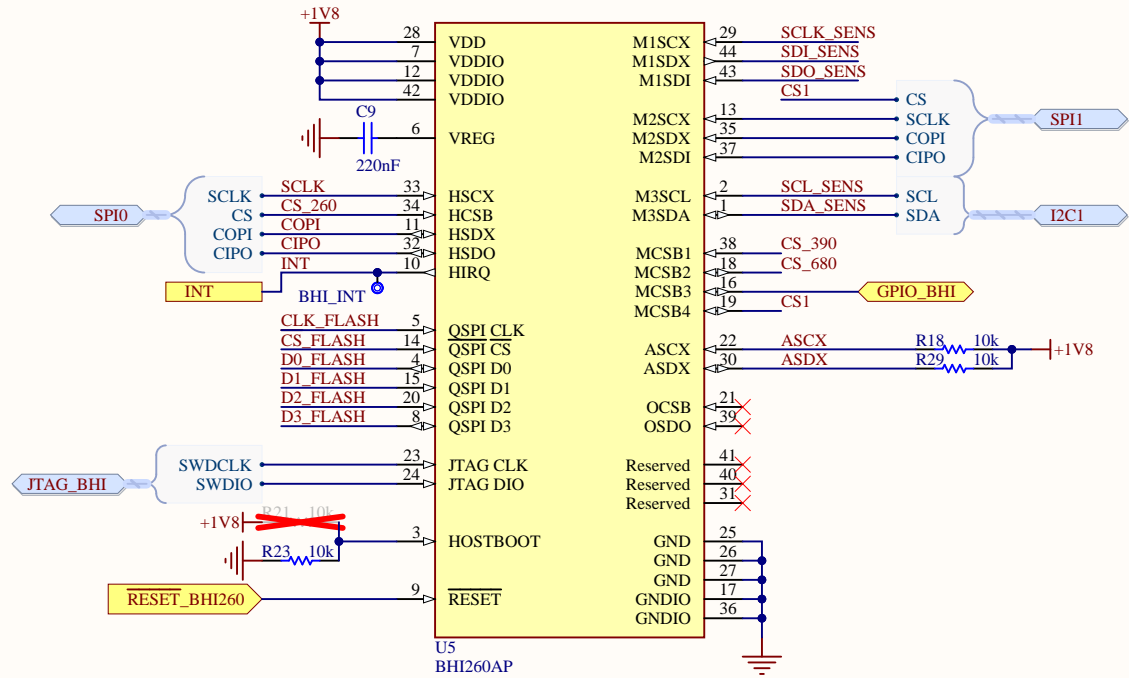
LDO 3V3



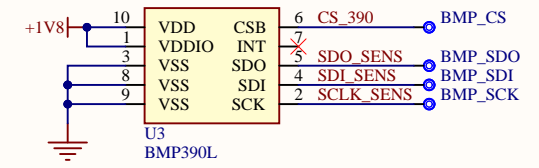
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Title: USB BRIDGE		 	
ID: ABX00050	Revision: V0.7		
Date: 05/07/2021	Time: 14:24:52	Sheet 3 of 7	
File: SAMD11 USB Bridge.SchDoc		Author: Francesca Cenna	RevAuthor: S.Navaretti

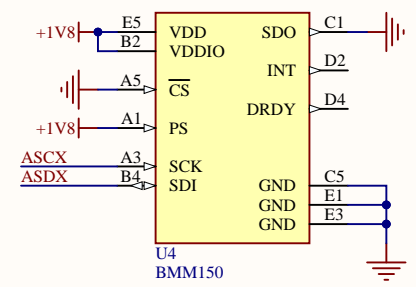
Sensor Fusion / 6 DOF IMU



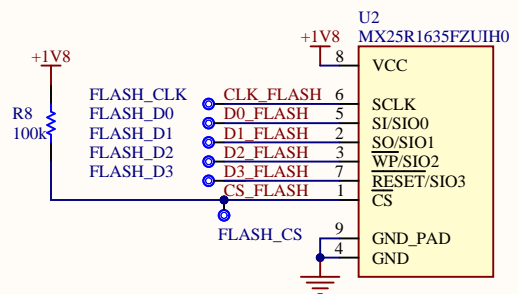
Pressure Sensor



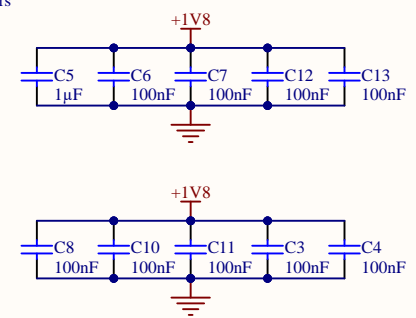
Magnetometer



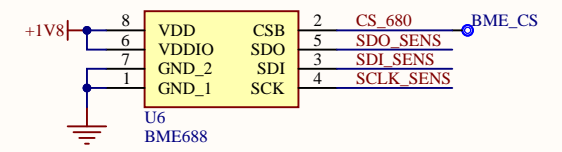
BHI Flash



Bypass Capacitors

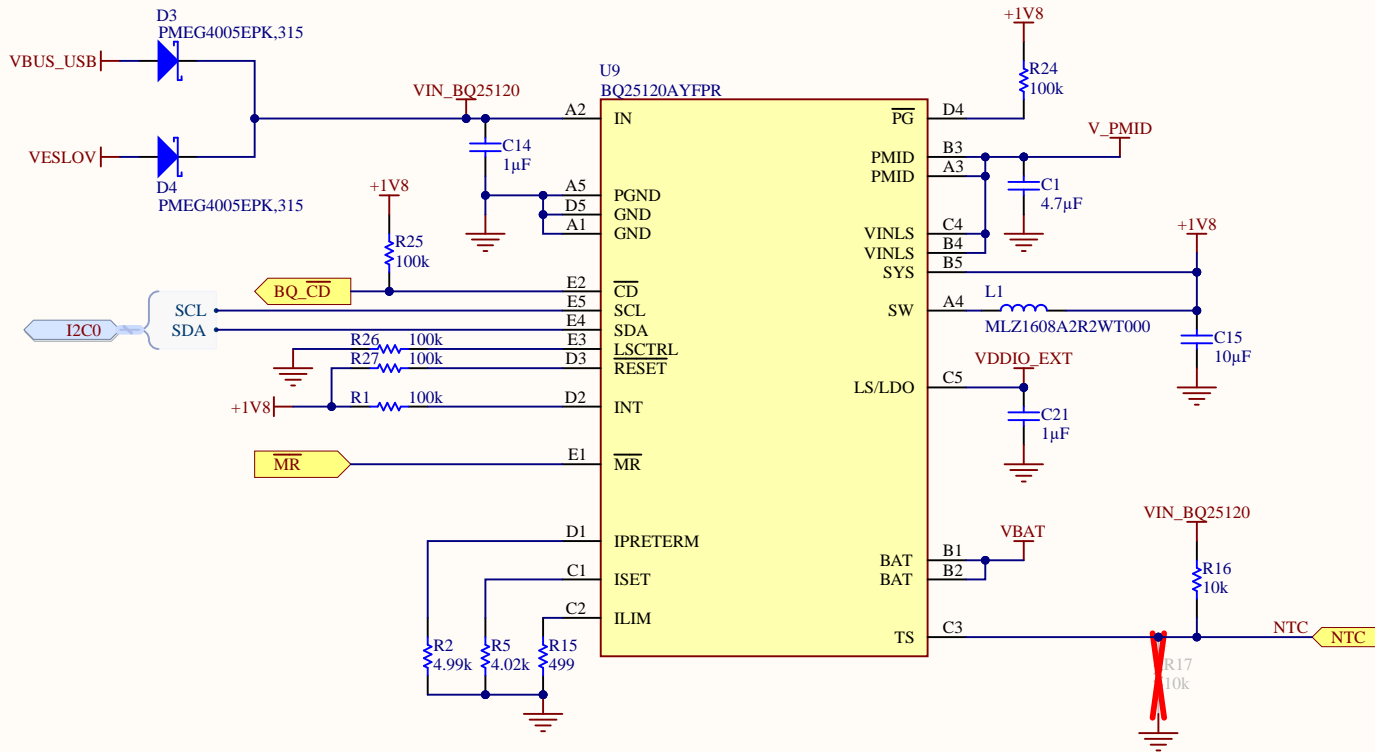


Pressure, Humidity, Temperature, VOC





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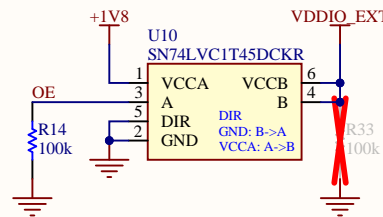
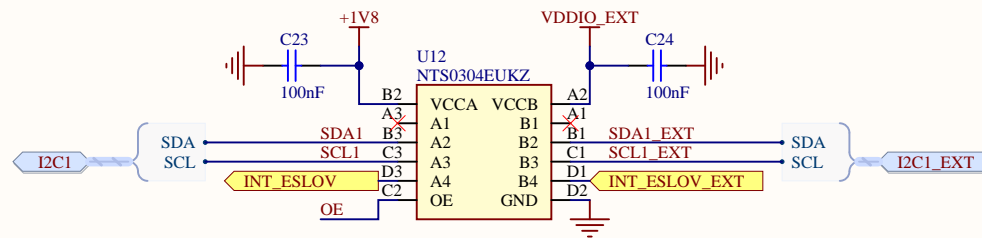
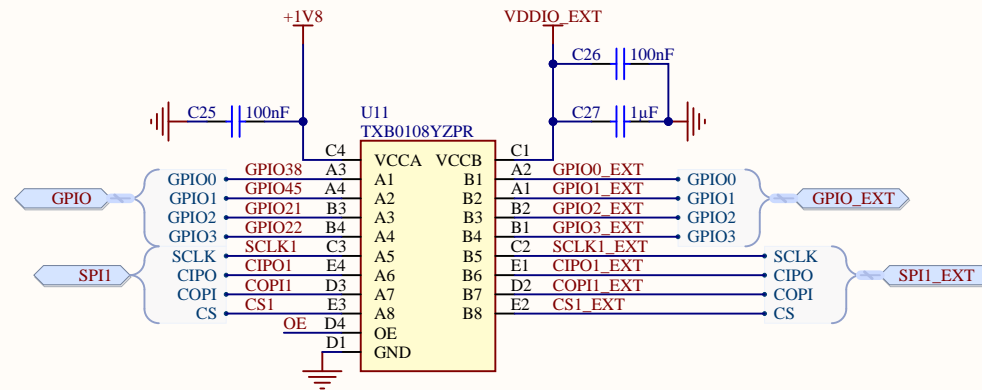
Title: SENSORS			
ID: ABX00050	Revision: V0.7		
Date: 05/07/2021	Time: 14:24:55	Sheet 5 of 7	
File: Sensors.SchDoc	Author: Francesca Cenna	RevAuthor: S.Navaretti	



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: V0.7		
Date: 05/07/2021	Time: 14:24:56	Sheet 6 of 7	
File: Power_bq.SchDoc	Author: Francesca Cenna	RevAuthor: S.Navaretti	



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Title: **LEVEL SHIFTERS**

ID: **ABX00050**

Date: **05/07/2021** Time: **14:24:58**

File: **LevelShifters.SchDoc**

Revision: **V0.7**

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

Author: **Francesca Cenna**



RevAuthor: **S.Navaretti**