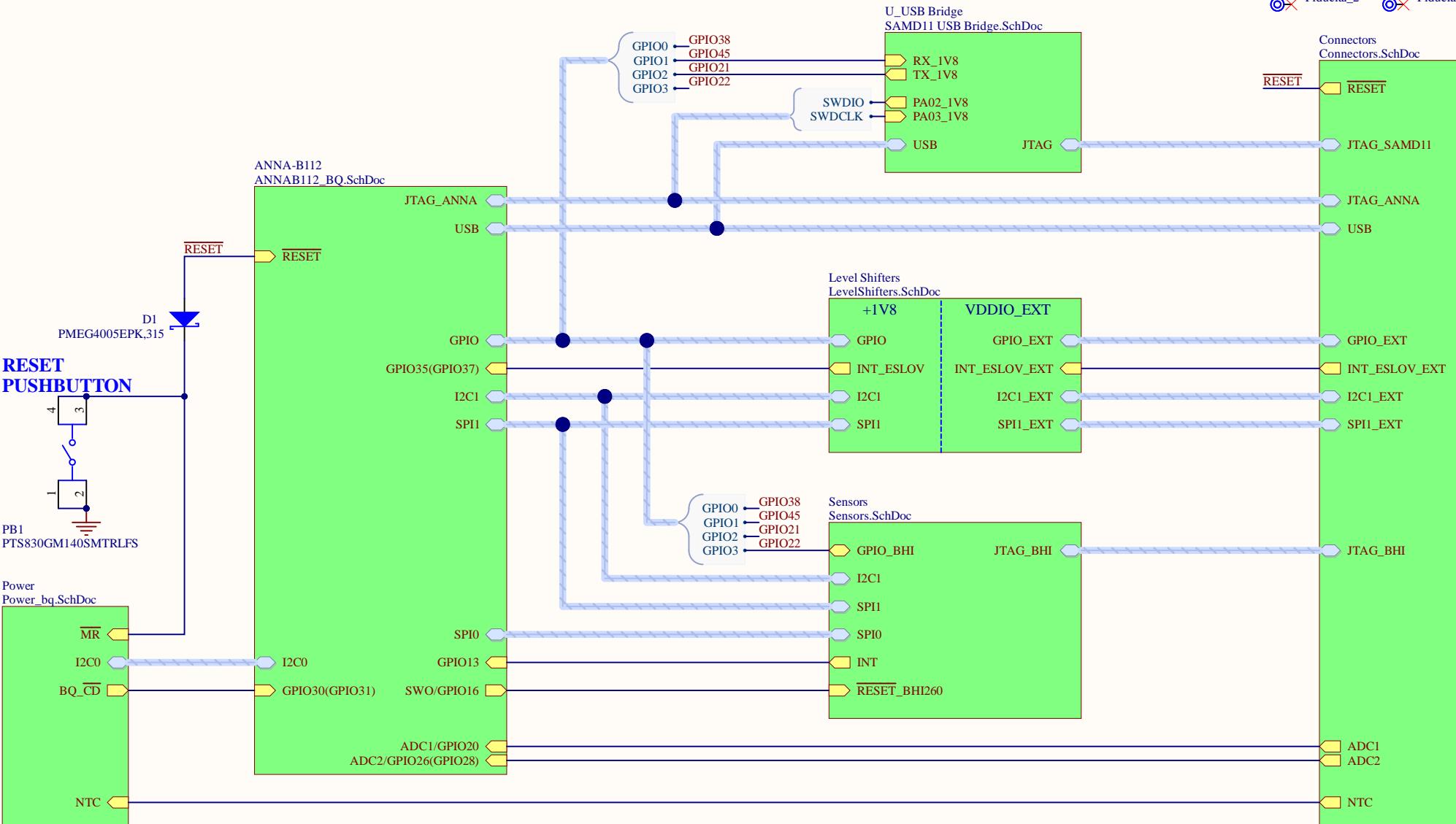


Fiducial_1 Fiducial_3
 Fiducial_2 Fiducial_4



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Title: TOP

ID: ABX00050

Revision: V0.9

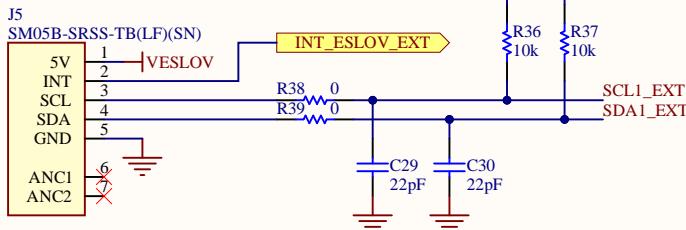
Date: 20/09/2021 Time: 10:12:40

Sheet 1 of 7

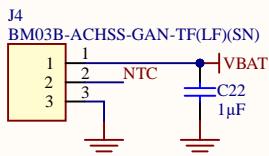
File: TOP.SchDoc



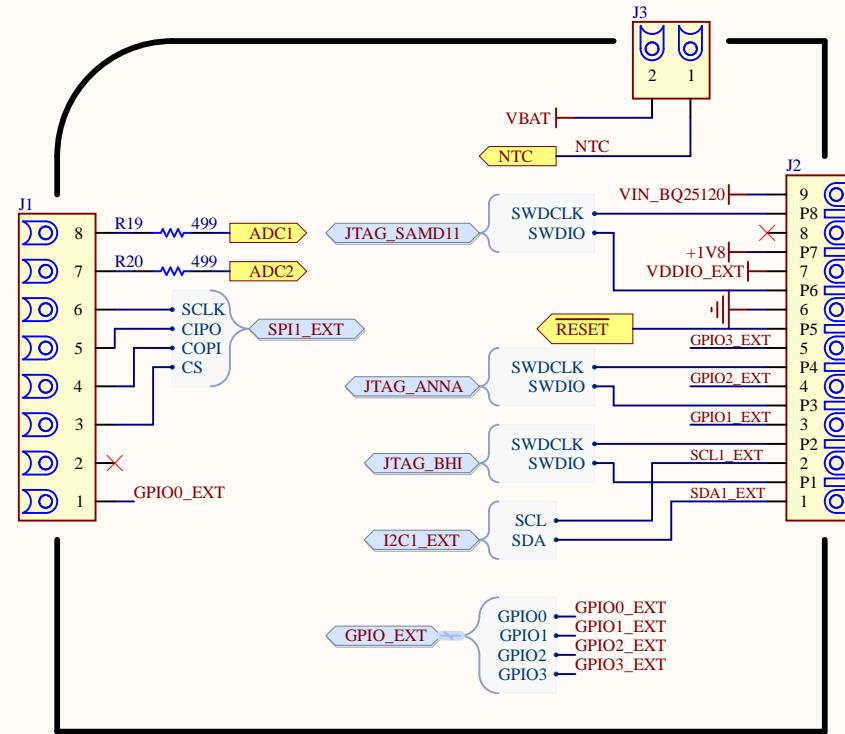
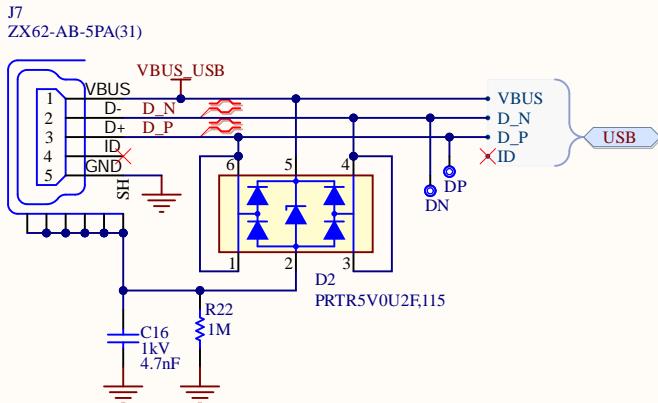
A ESLOV CONNECTOR



B BATTERY CONNECTOR



C USB CONNECTOR



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Title: CONNECTORS

ID: ABX00050

Revision: V0.9

Date: 20/09/2021 Time: 10:12:43

Sheet 2 of 7

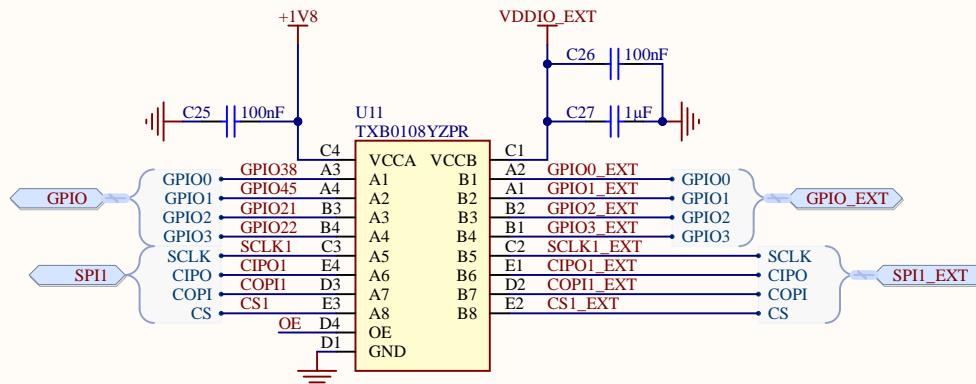
File: Connectors.SchDoc

Author: Francesca Cenna

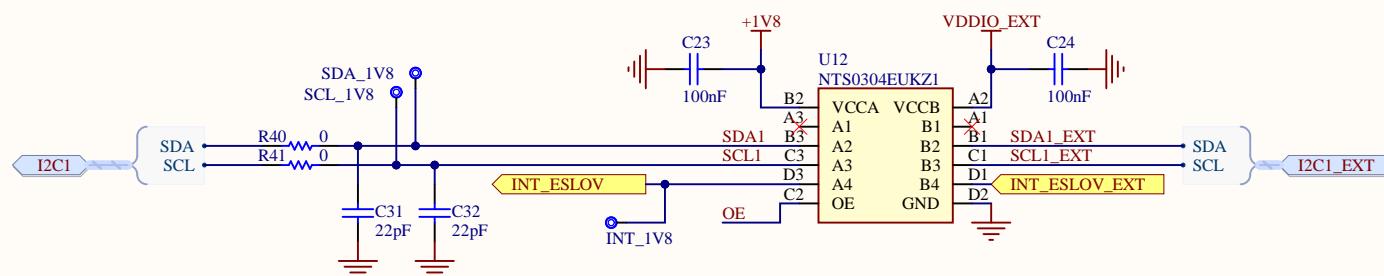
RevAuthor: Silvio Navaretti



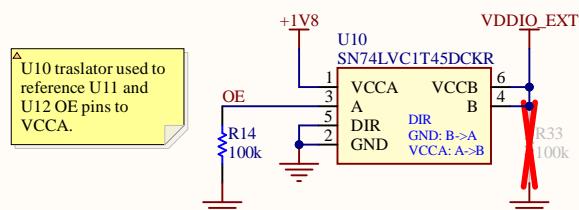
A



B



C



D

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Title: LEVEL SHIFTERS

ID: ABX00050

Revision: V0.9

Date: 20/09/2021 Time: 10:12:45

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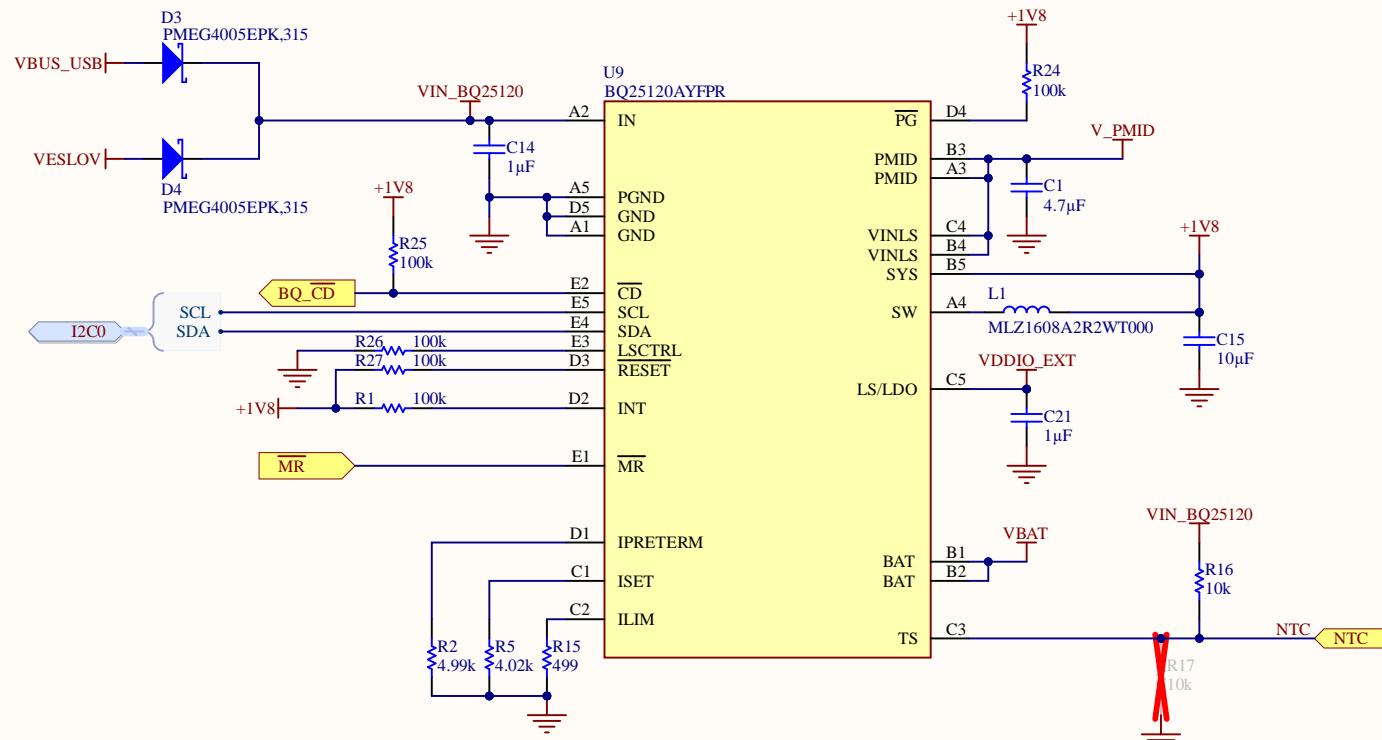
File: LevelShifters.SchDoc

Author: Francesca Cenna

RevAuthor: Silvio Navaretti



A



B

C

D

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: V0.9

Date: 20/09/2021 Time: 10:12:47

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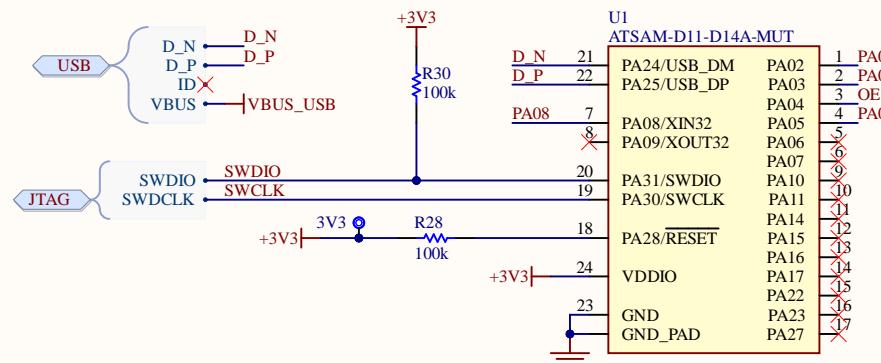
File: Power_bq.SchDoc

Author: Francesca Cenna

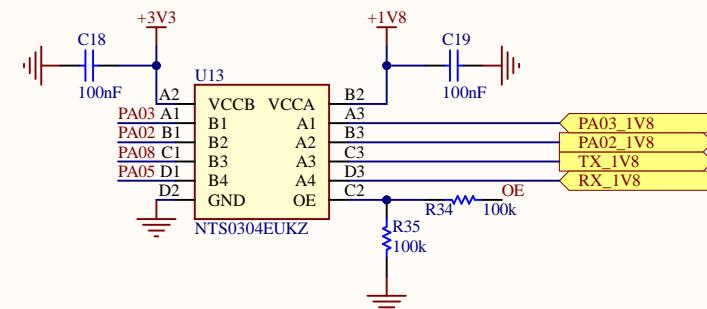
RevAuthor: Silvio Navaretti



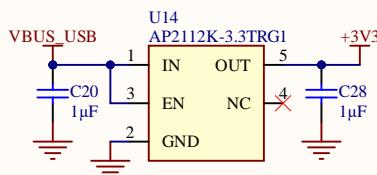
A



LEVEL TRANSLATOR



LDO 3V3



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Title: USB BRIDGE

ID: ABX00050

Revision: V0.9

Date: 20/09/2021 Time: 10:12:50

Sheet 5 of 7

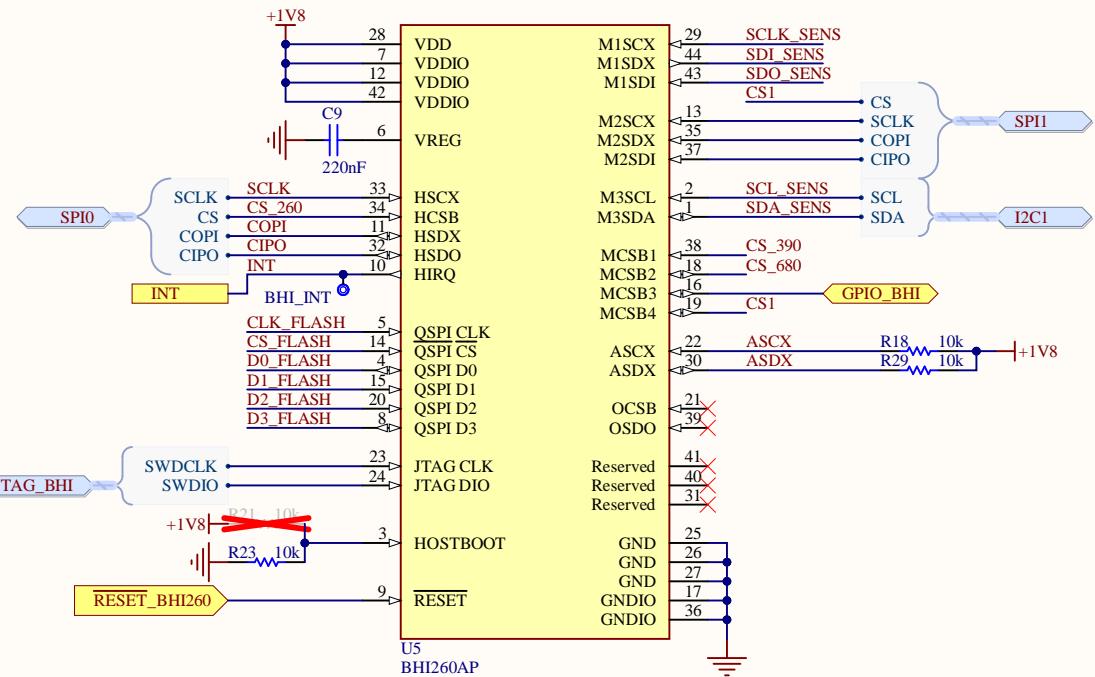
File: SAMD11 USB Bridge.SchDoc

Author: Francesca Cenna

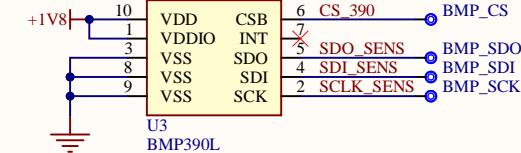
RevAuthor: Silvio Navaretti



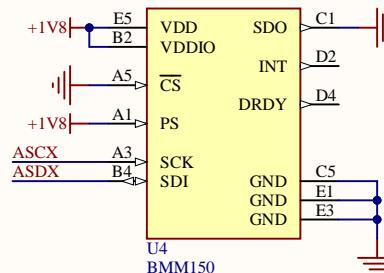
Sensor Fusion / 6 DOF IMU



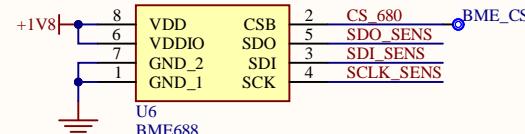
Pressure Sensor

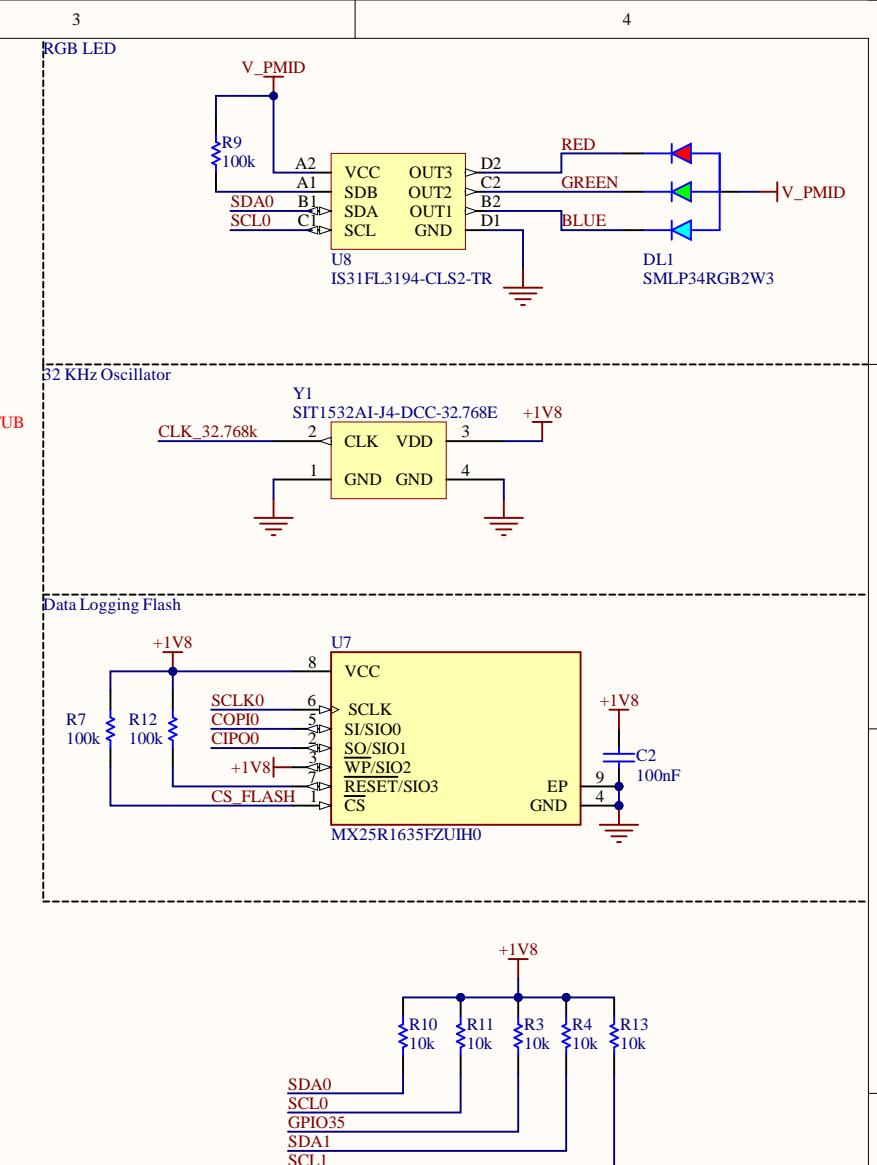
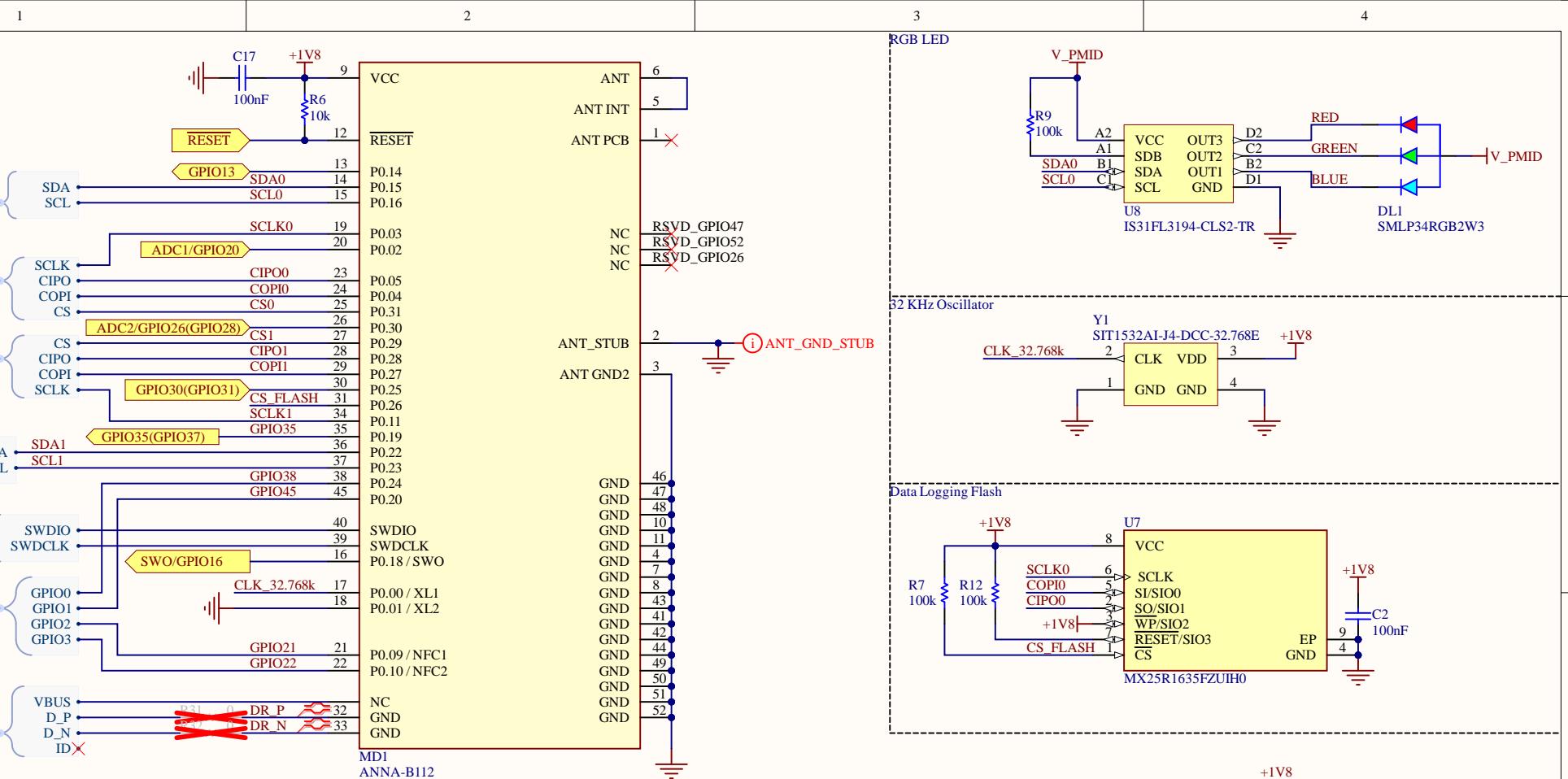


Magnetometer



Pressure, Humidity, Temperature, VOC





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Title: ANNAB112

ID: ABX00050

Revision: V0.9

Date: 20/09/2021 Time: 10:12:55

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File: ANNAB112_BQ.SchDoc

Author: Francesca Cenna

