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Title: TOP

ID: ABX00061

Revision: V0.5

Date: 2022-08-12 Time: 10:46:14

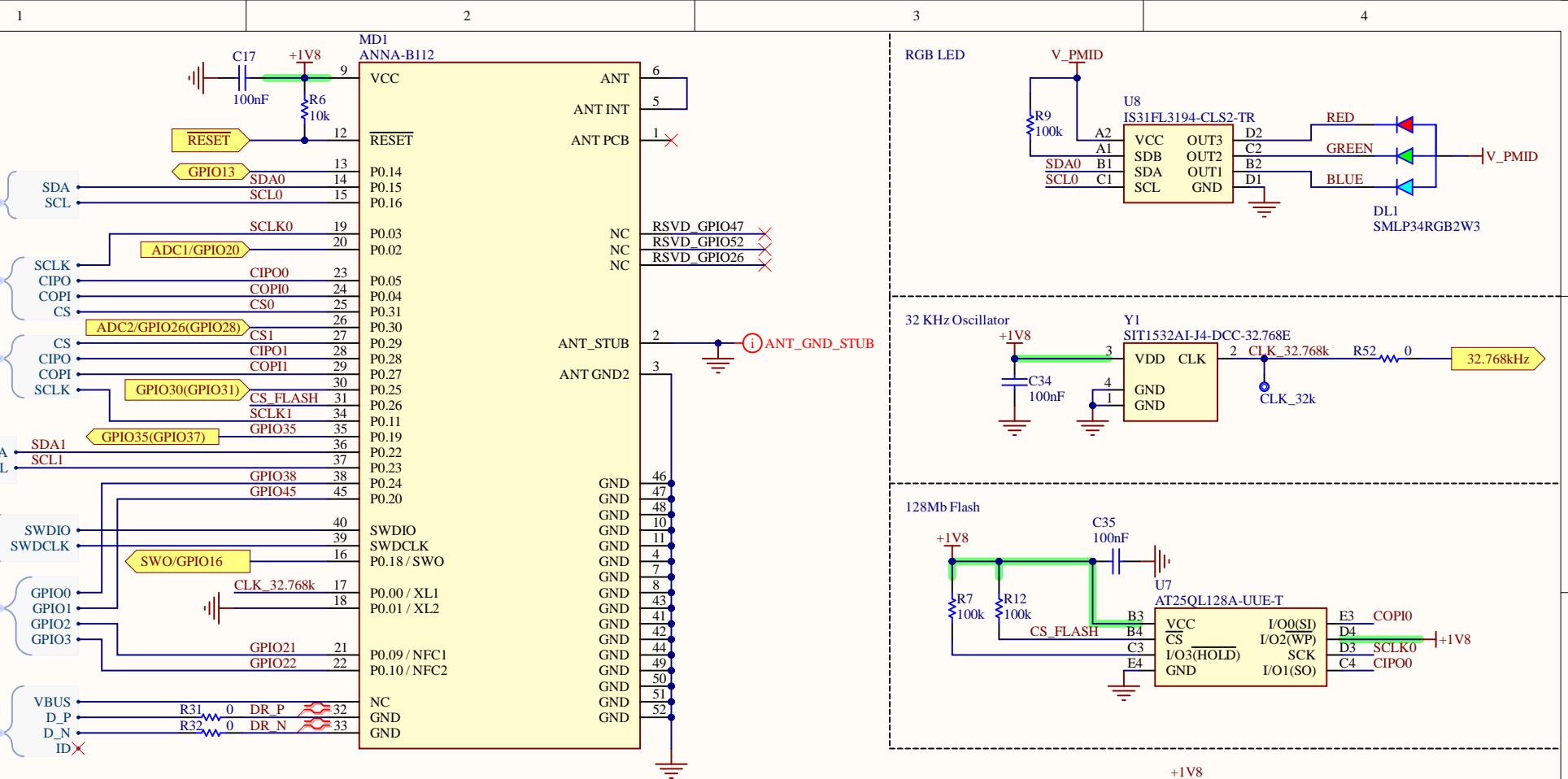
Sheet 1 of 7

File: TOP.SchDoc

Author: Silvio Navaretti

RevAuthor: Silvio Navaretti





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Title: ANNAB112

ID: ABX00061

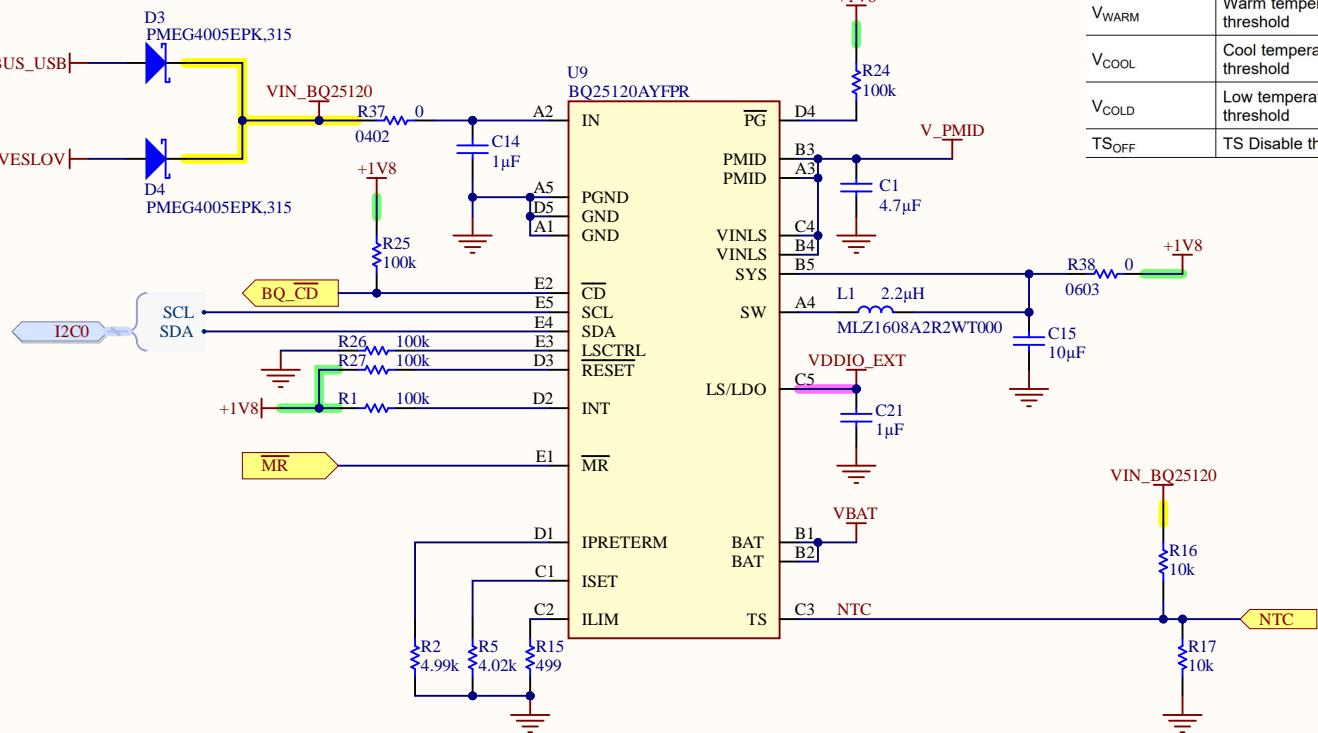
Revision: V0.5

Date: 2022-08-12 Time: 10:46:18

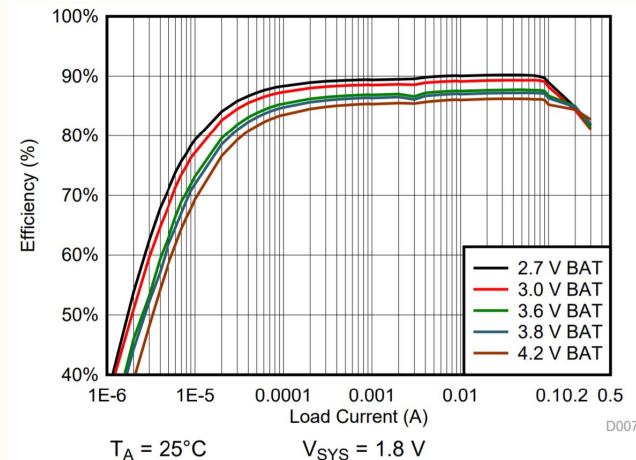
Sheet 2 of 7

File: ANNAB112_BQ.SchDoc



**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: ABX00061

Revision: V0.5

Date: 2022-08-12 Time: 10:46:21

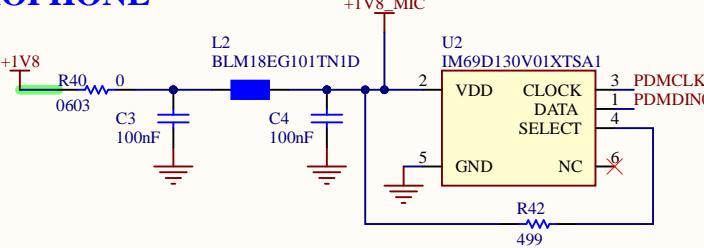
Sheet 3 of 7

File: Power_bq.SchDoc

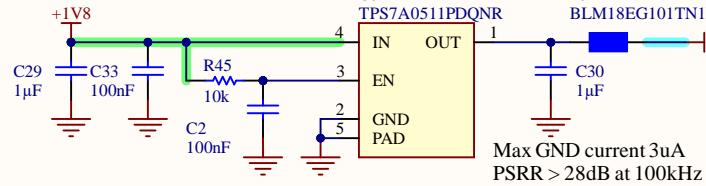
Author: Silvio Navaretti



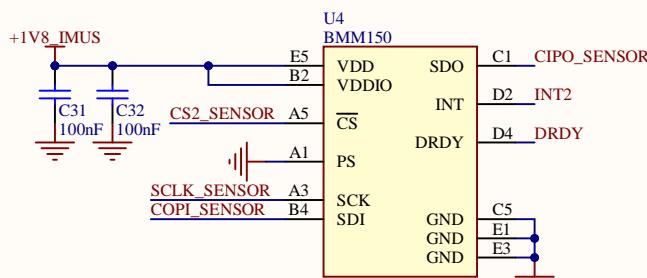
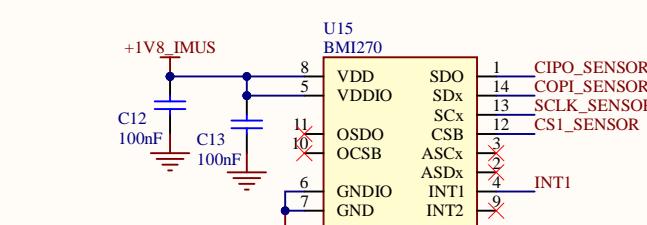
MICROPHONE



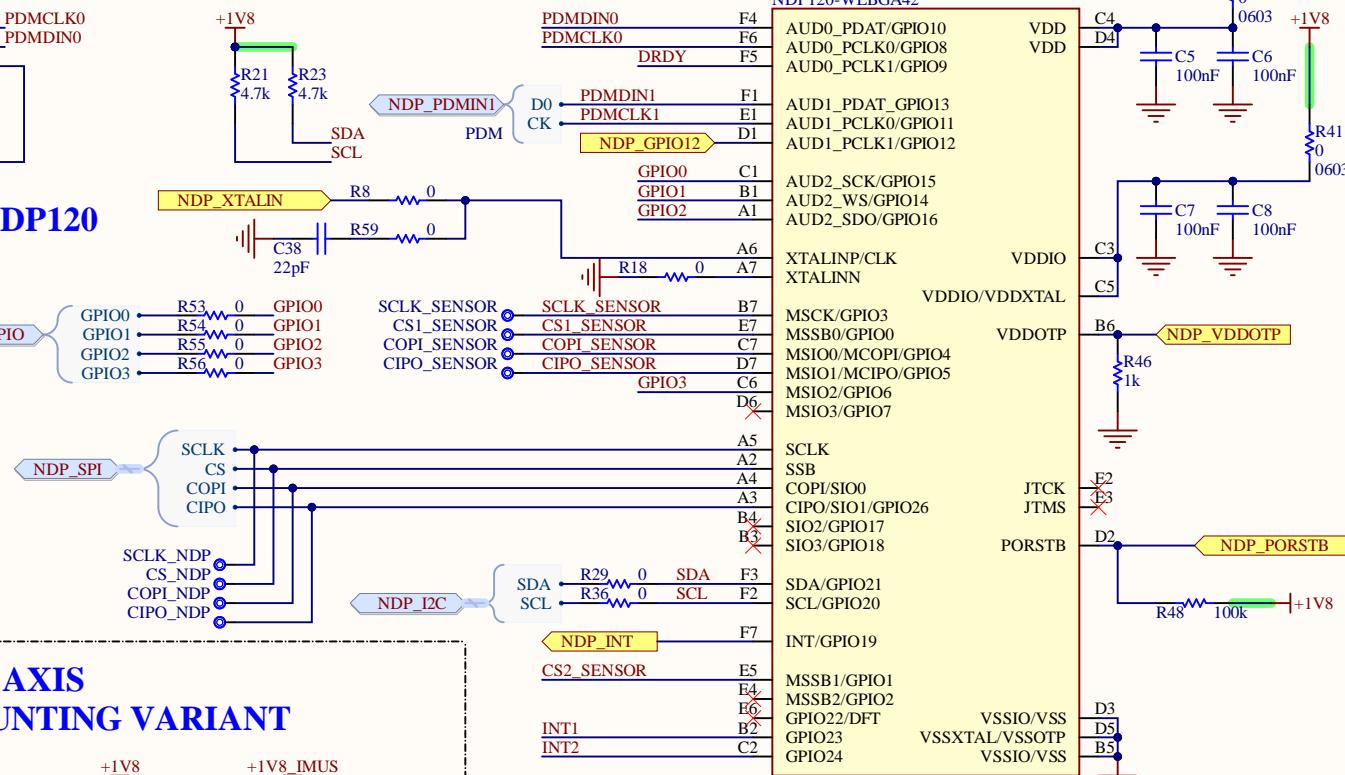
LOW IQ HIGH PSRR LDO DEDICATED TO NDP120



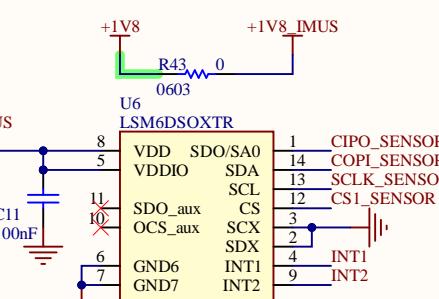
BOSCH 6 AXIS + 3 AXIS MOUNTING VARIANT



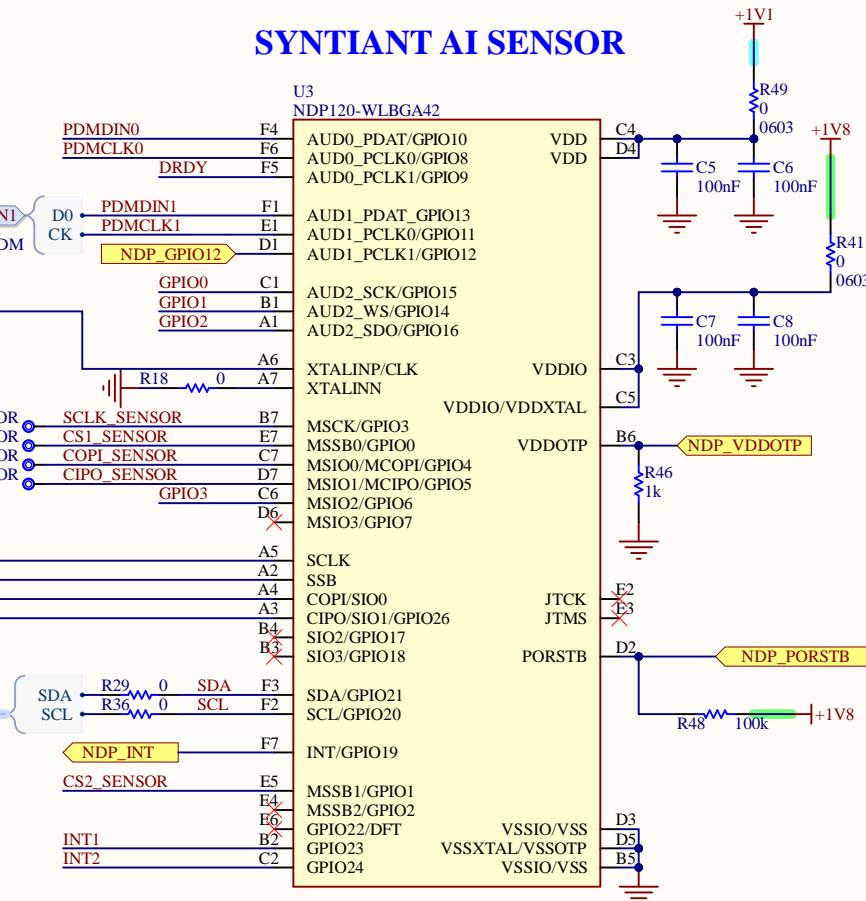
I2C PULLUPS



ST 6 AXIS MOUNTING VARIANT



SYNTIANT AI SENSOR



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Title: SYNTIANT

ID: ABX00061

Revision: V0.5

Date: 2022-08-12 Time: 10:46:25

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File: Syntiant.SchDoc

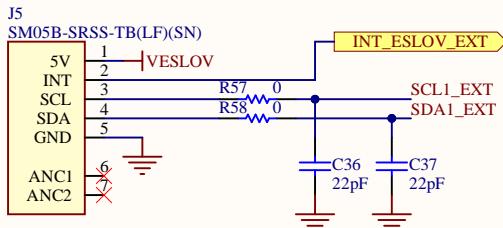
Author: Silvio Navaretti



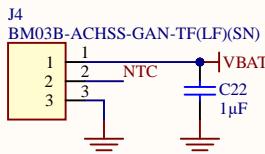
RevAuthor: Silvio Navaretti

A

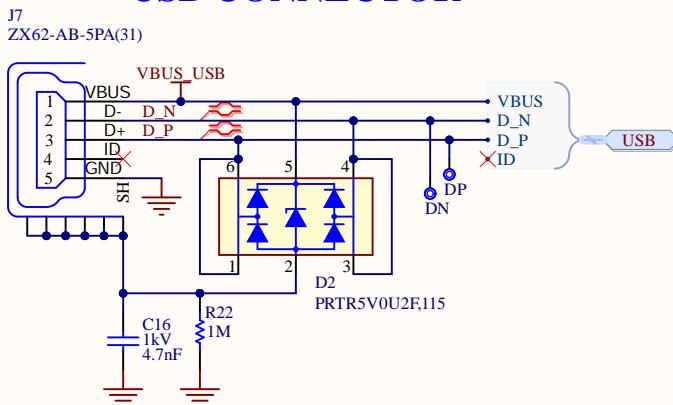
ESLOV CONNECTOR



BATTERY CONNECTOR



USB CONNECTOR

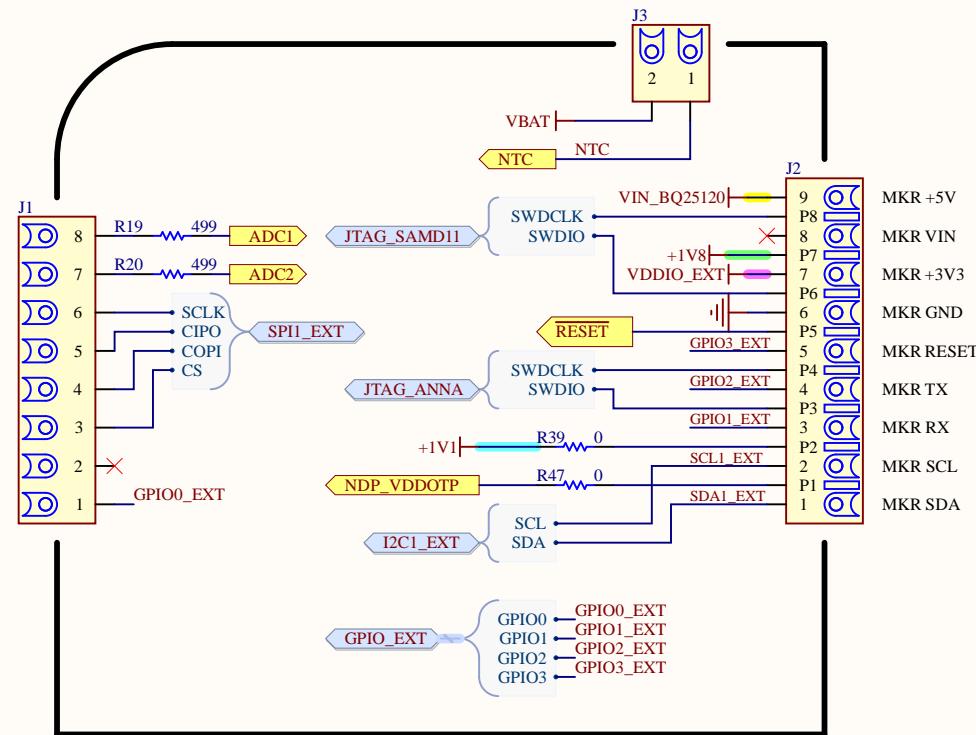


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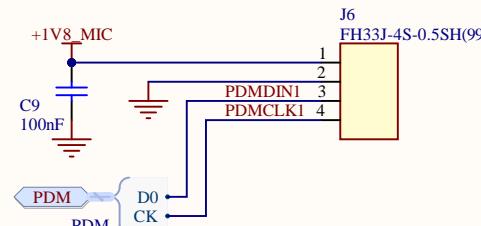
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MKR AREF
MKR A0
MKR A1
MKR A2
MKR A3
MKR A4
MKR A5
MKR A6



SYNTYANT EXTERNAL MICROPHONE CONNECTOR



Title: CONNECTORS

ID: ABX00061

Revision: V0.5

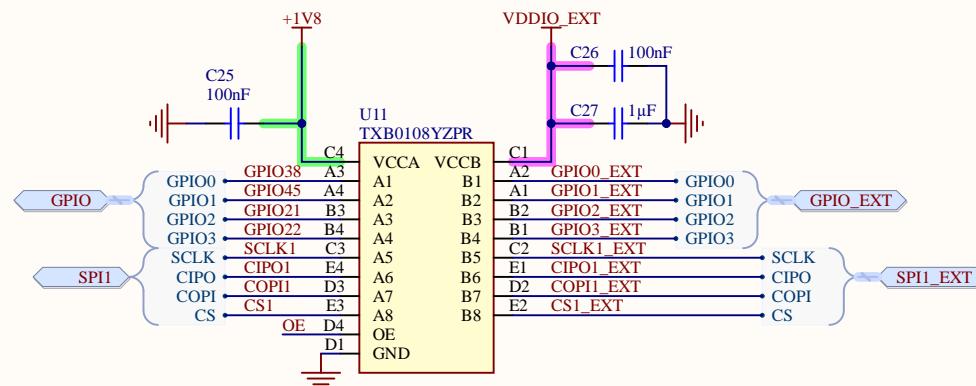
Date: 2022-08-12 Time: 10:46:32

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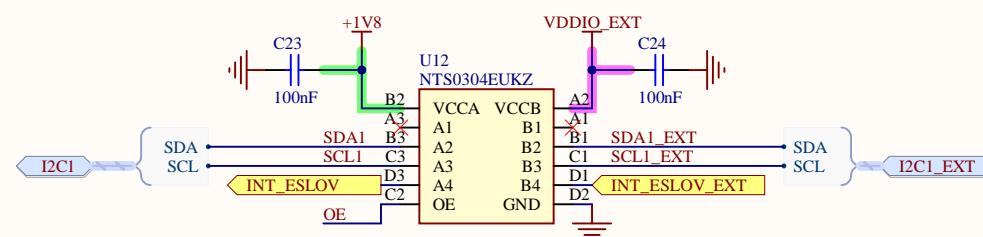
File: Connectors.SchDoc



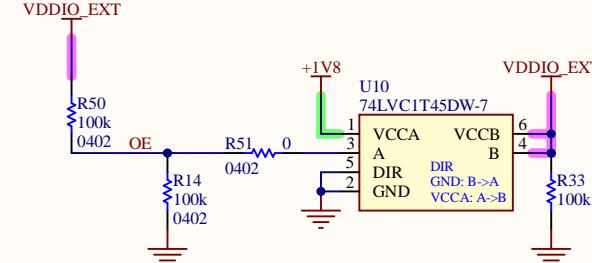
A



B



C



D

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Title: LEVEL SHIFTERS

ID: ABX00061

Revision: V0.5

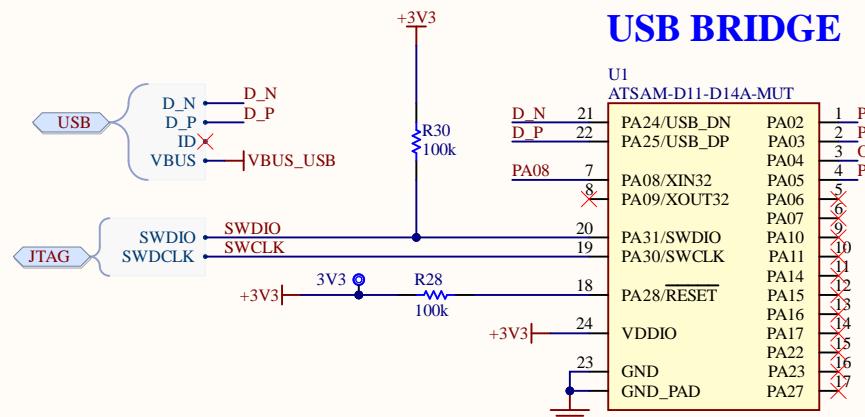
Date: 2022-08-12 Time: 10:46:36

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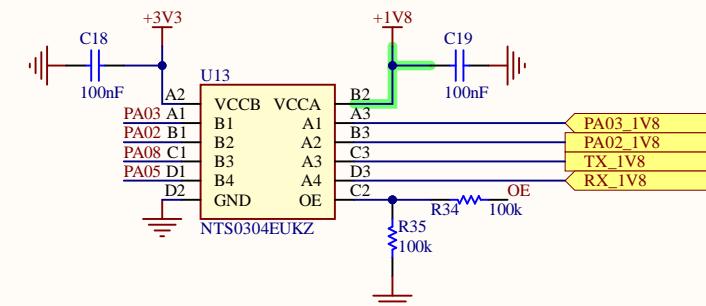
File: LevelShifters.SchDoc



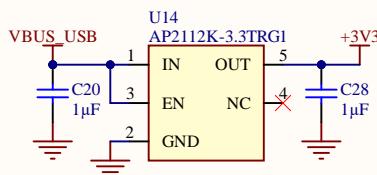
A



LEVEL TRANSLATOR



LDO 3V3 DEDICATED TO USB BRIDGE



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Title: USB BRIDGE

ID: ABX00061

Revision: V0.5

Date: 2022-08-12 Time: 10:46:39

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File: SAMD11 USB Bridge.SchDoc

Author: Silvio Navaretti

