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Title: TOP

ID: ABX00061

Revision: V0.5

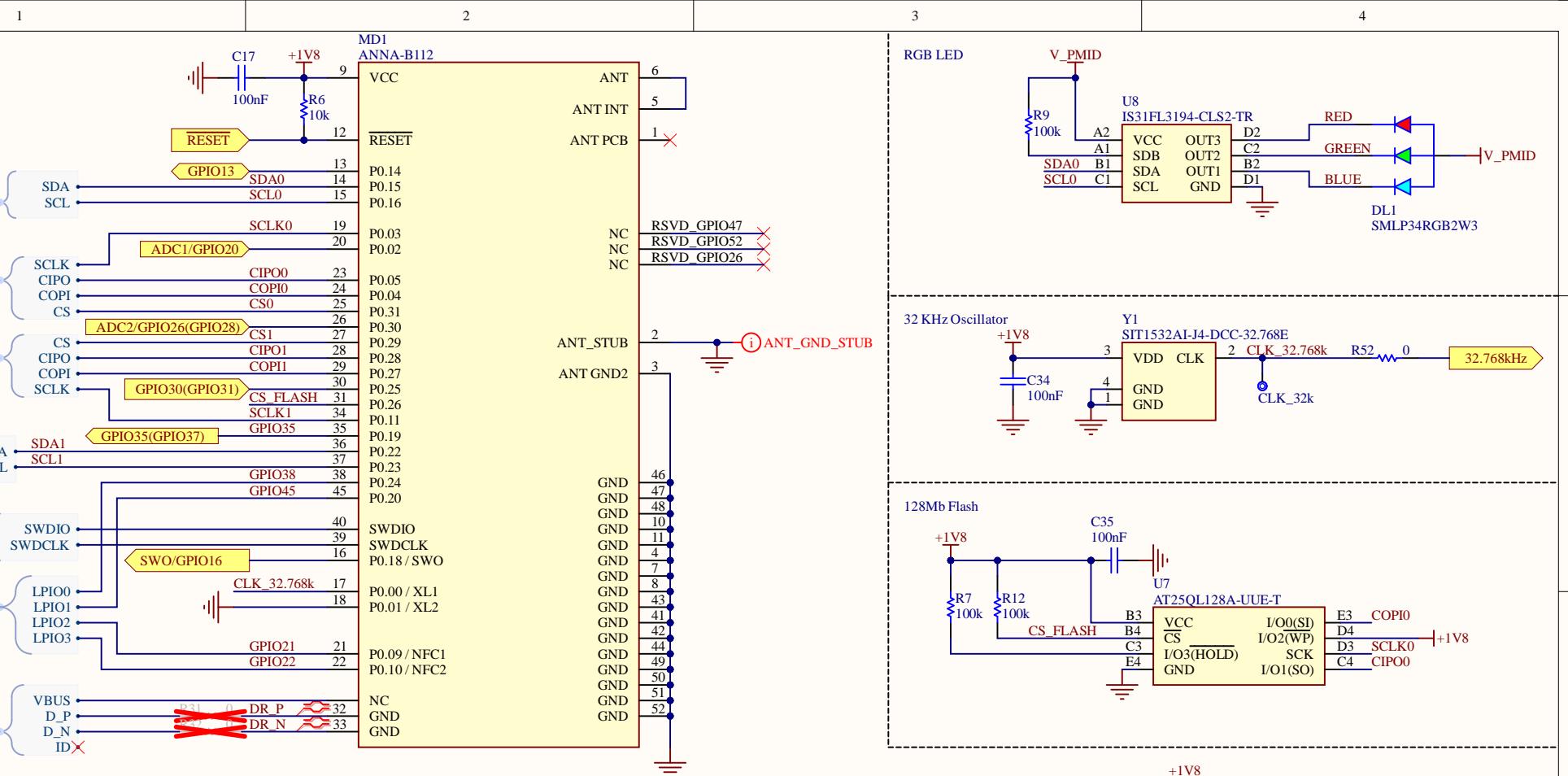
Date: 11/11/2022 Time: 3:30:25 PM

Sheet 1 of 7

File: TOP.SchDoc

Author: Silvio Navaretti





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Title: ANNAB112

ID: ABX00061

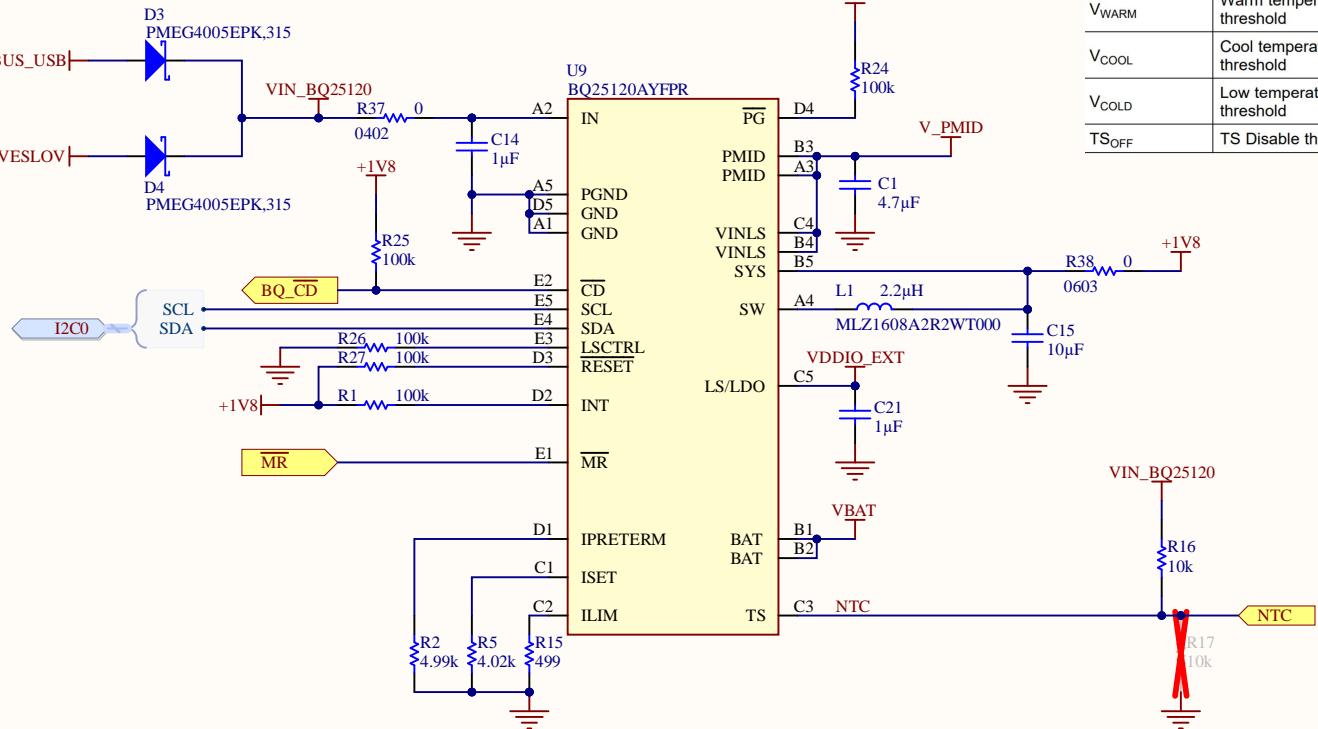
Revision: V0.5



File: ANNAB112\_BQ.SchDoc

Author: Silvio Navaretti

RevAuthor: Silvio Navaretti



### BATTERY-PACK NTC MONITOR

			MIN	TYP	MAX	UNIT
V <sub>HOT</sub>	High temperature threshold	V <sub>TS</sub> falling, 1% V <sub>IN</sub> Hysteresis	14.5	15	15.2	%V <sub>IN</sub>
V <sub>WARM</sub>	Warm temperature threshold	V <sub>TS</sub> falling, 1% V <sub>IN</sub> Hysteresis	20.1	20.5	20.8	%V <sub>IN</sub>
V <sub>COOL</sub>	Cool temperature threshold	V <sub>TS</sub> rising, 1% V <sub>IN</sub> Hysteresis	35.4	36	36.4	%V <sub>IN</sub>
V <sub>COLD</sub>	Low temperature threshold	V <sub>TS</sub> rising, 1% V <sub>IN</sub> Hysteresis	39.3	39.8	40.2	%V <sub>IN</sub>
TS <sub>OFF</sub>	TS Disable threshold	V <sub>TS</sub> rising, 2% V <sub>IN</sub> Hysteresis	55	60	60	%V <sub>IN</sub>

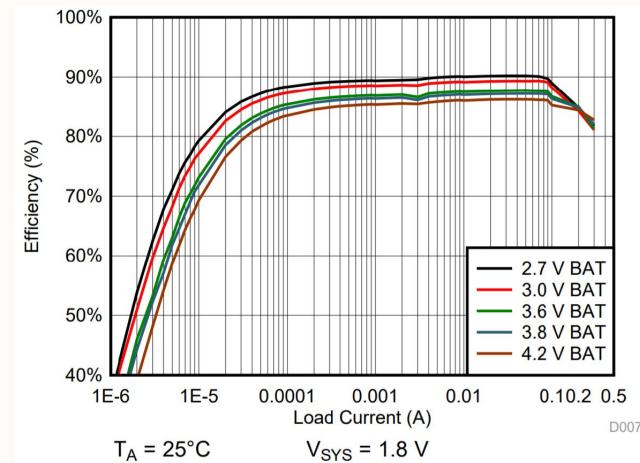


Figure 48. 1.8 V<sub>SYS</sub> System Efficiency

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Title: POWER

ID: ABX00061

Revision: V0.5

Date: 11/11/2022

Time: 3:30:34 PM

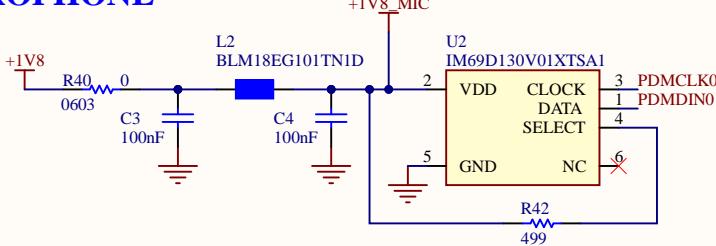
Sheet 3 of 7

File: Power\_bq.SchDoc

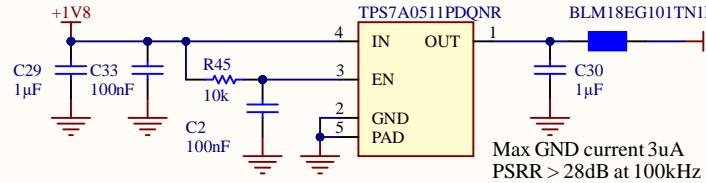
Author: Silvio Navaretti



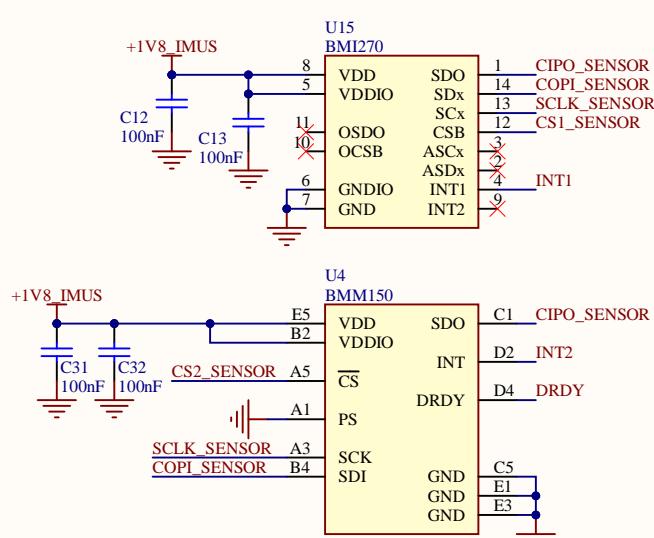
## MICROPHONE



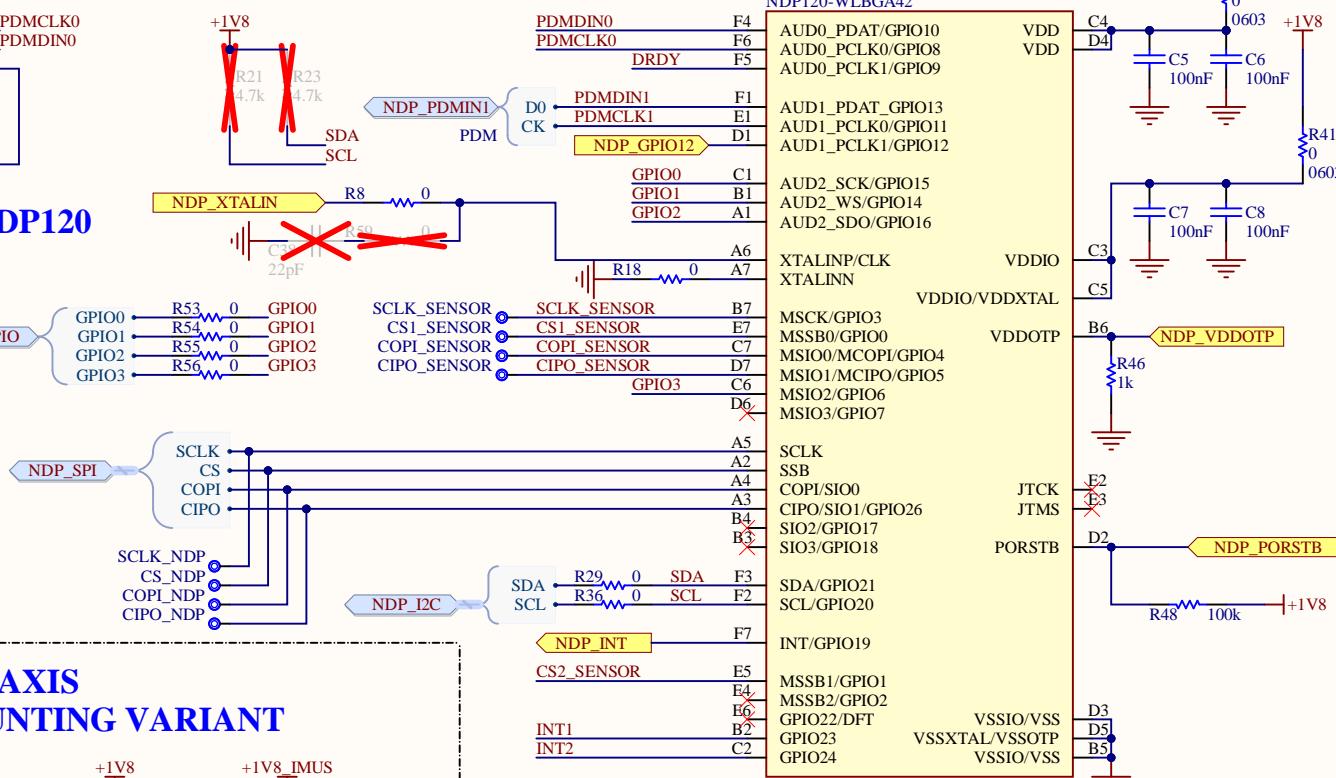
## LOW IQ HIGH PSRR LDO DEDICATED TO NDP120



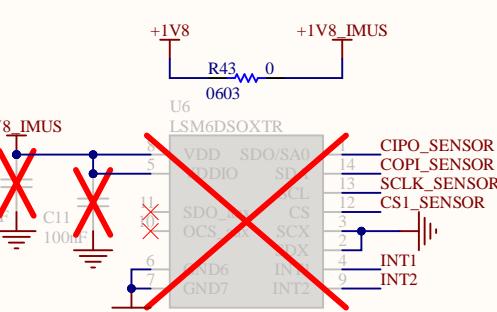
## BOSCH 6 AXIS + 3 AXIS MOUNTING VARIANT



## I2C PULLUPS



## ST 6 AXIS MOUNTING VARIANT



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Title: SYNTIANT

ID: ABX00061

Revision: V0.5

Date: 11/11/2022

Time: 3:30:39 PM

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File: Syntiant.SchDoc

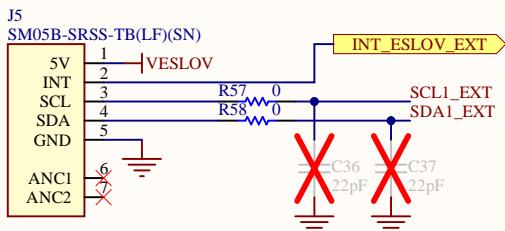
Author: Silvio Navaretti



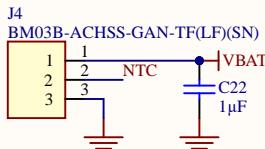
RevAuthor: Silvio Navaretti

A

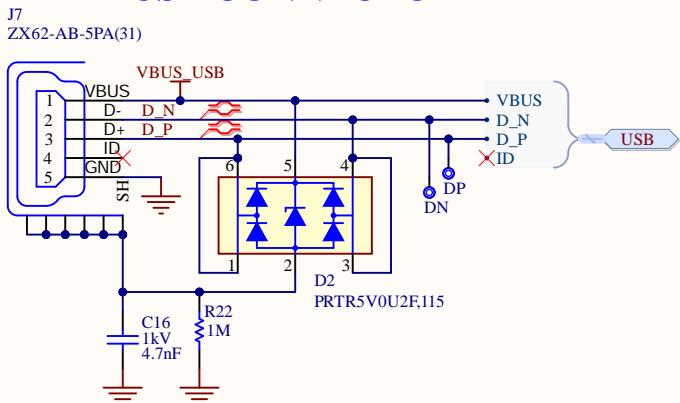
## ESLOV CONNECTOR



## BATTERY CONNECTOR



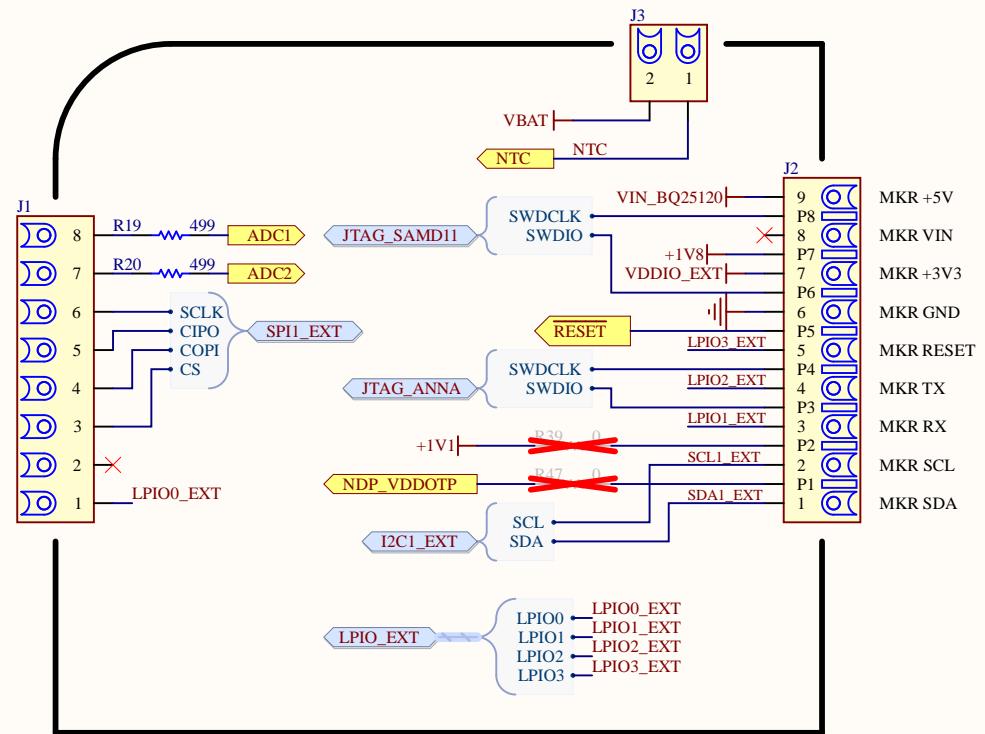
## USB CONNECTOR



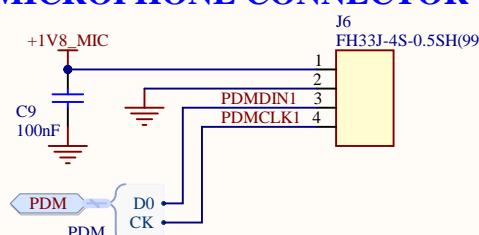
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## SYNTYANT EXTERNAL MICROPHONE CONNECTOR



Title: CONNECTORS

ID: ABX00061

Revision: V0.5

Date: 11/11/2022

Time: 3:30:43 PM

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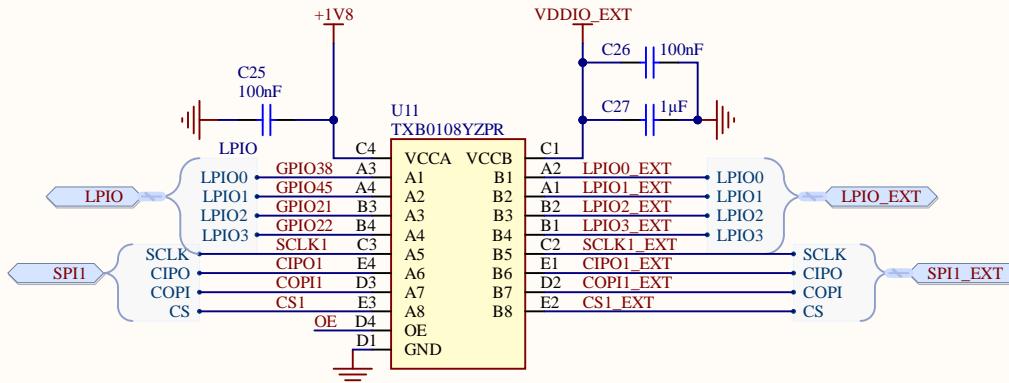
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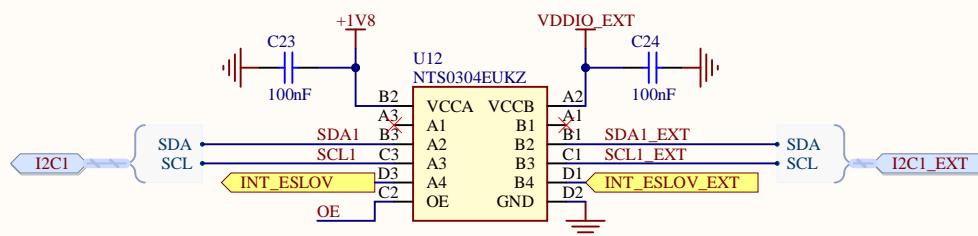
Author: Silvio Navaretti

RevAuthor: Silvio Navaretti

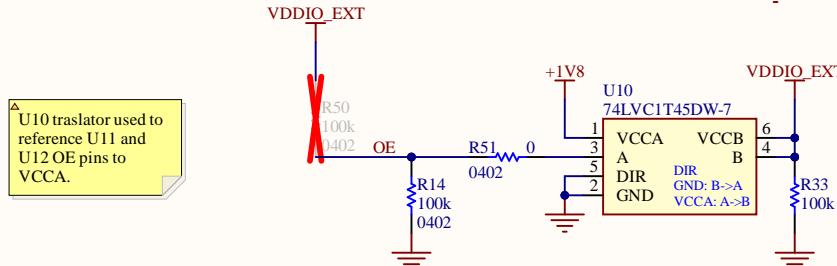
A



B



C



D

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### Title: LEVEL SHIFTERS

ID: ABX00061

Revision: V0.5

Date: 11/11/2022

Time: 3:30:48 PM

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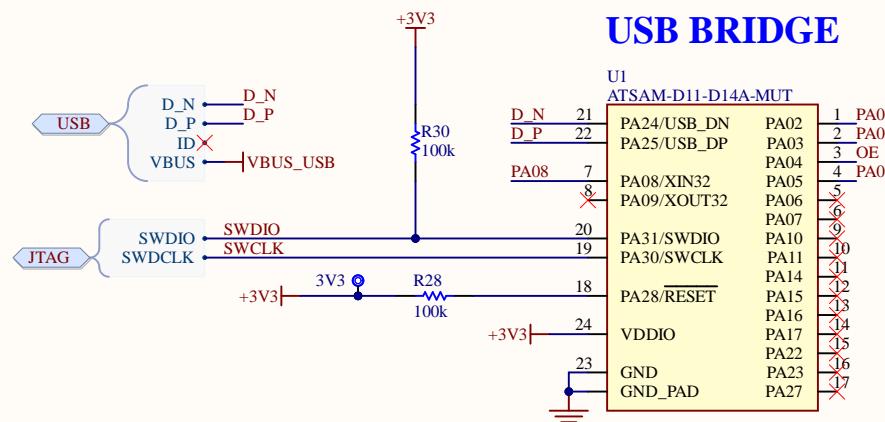
File: LevelShifters.SchDoc

Author: Silvio Navaretti

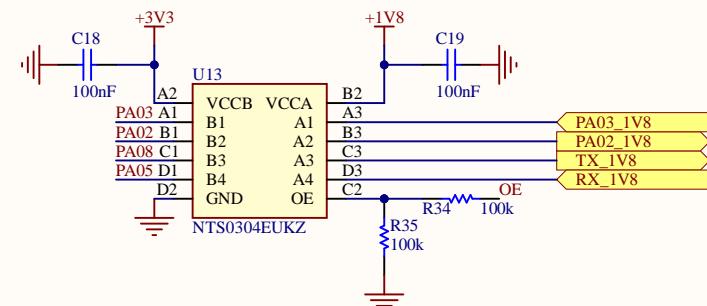


A

10



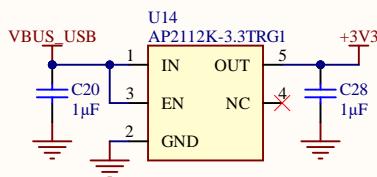
## **LEVEL TRANSLATOR**



B

1

## LDO 3V3 DEDICATED TO USB BRIDGE



6

1

1

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## Title: **USB BRIDGE**

ID: ABX00061

Revision: V0.5

