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Title: TOP

ID: ABX00061

Revision: V0.5

Date: 11/11/2022

Time: 3:30:25 PM

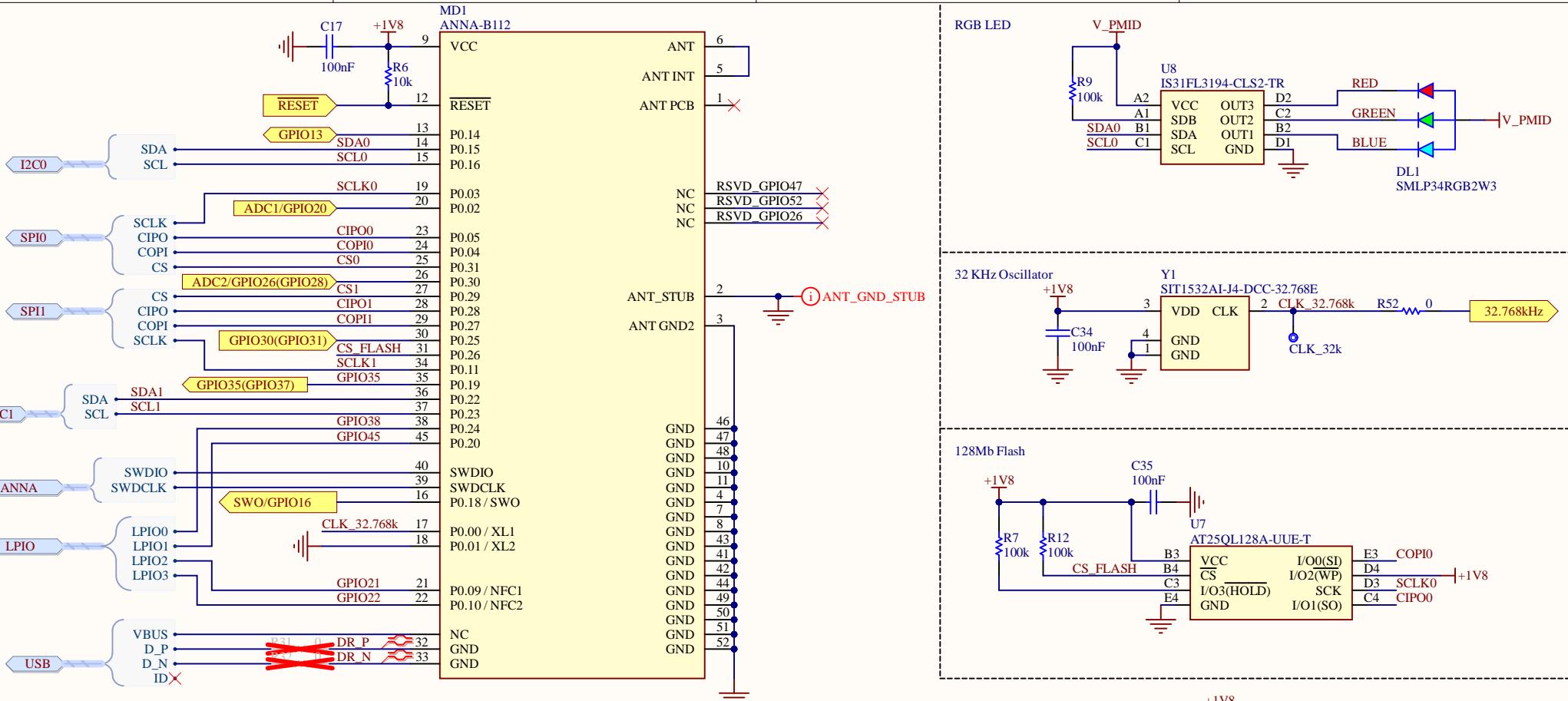
Sheet 1 of 7

File: TOP.SchDoc

Author: Silvio Navaretti

RevAuthor: Silvio Navaretti





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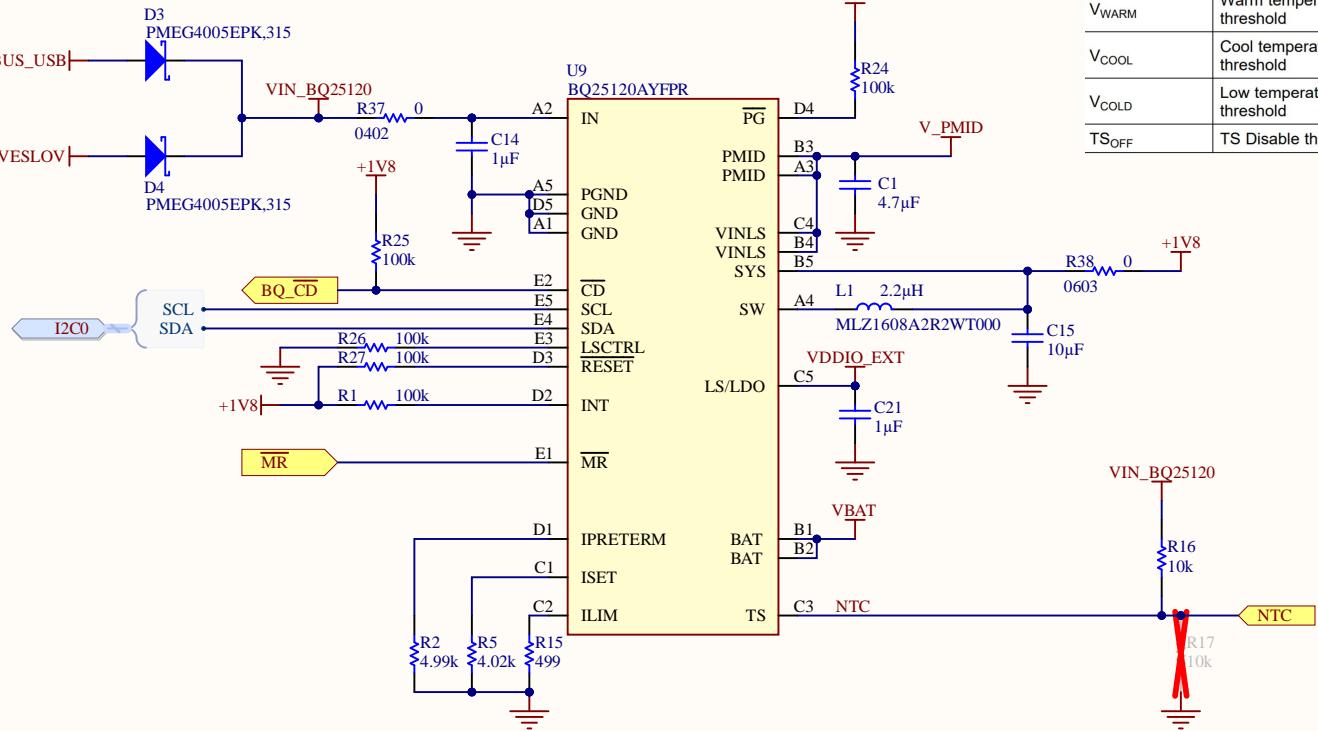
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Title: ANNAB112

ID: ABX00061

ID: ABX00001 Revision: V0.2





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	60	%V _{IN}

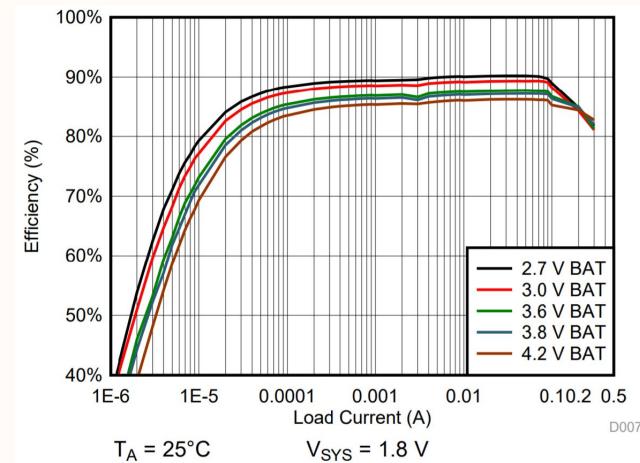


Figure 48. 1.8 V_{SYS} System Efficiency

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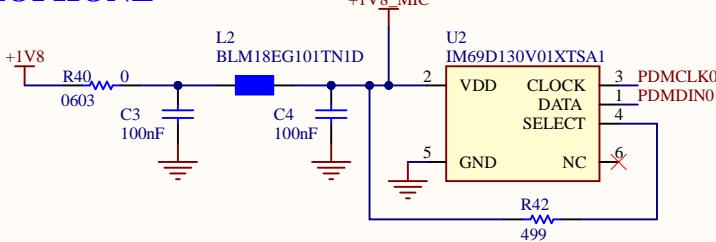
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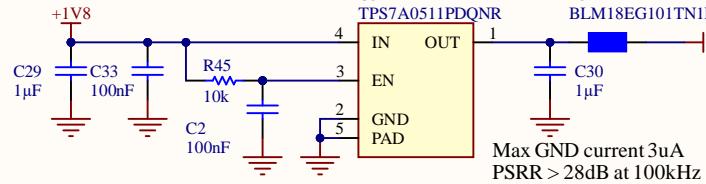
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ID: ABX00061	Revision: V0.5
Date: 11/11/2022	Time: 3:30:34 PM
Sheet 3 of 7	
File: Power_bq.SchDoc	Author: Silvio Navaretti
	RevAuthor: Silvio Navaretti

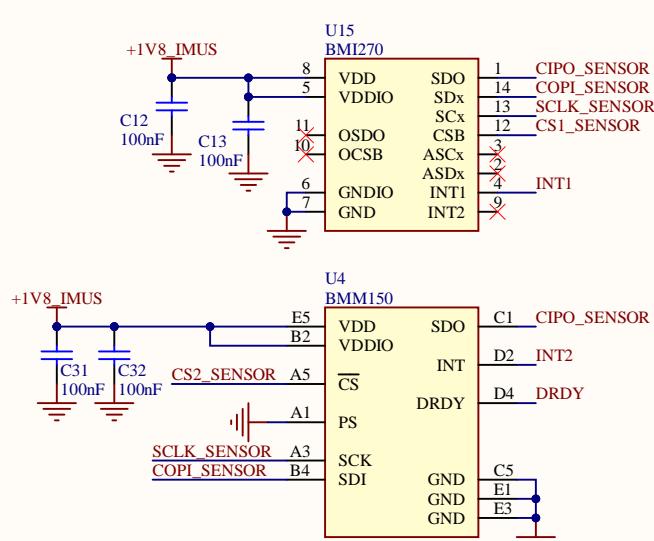




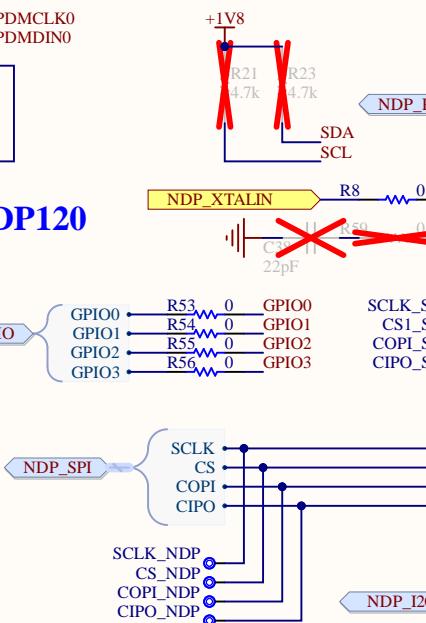
LOW IQ HIGH PSRR LDO DEDICATED TO NDP120



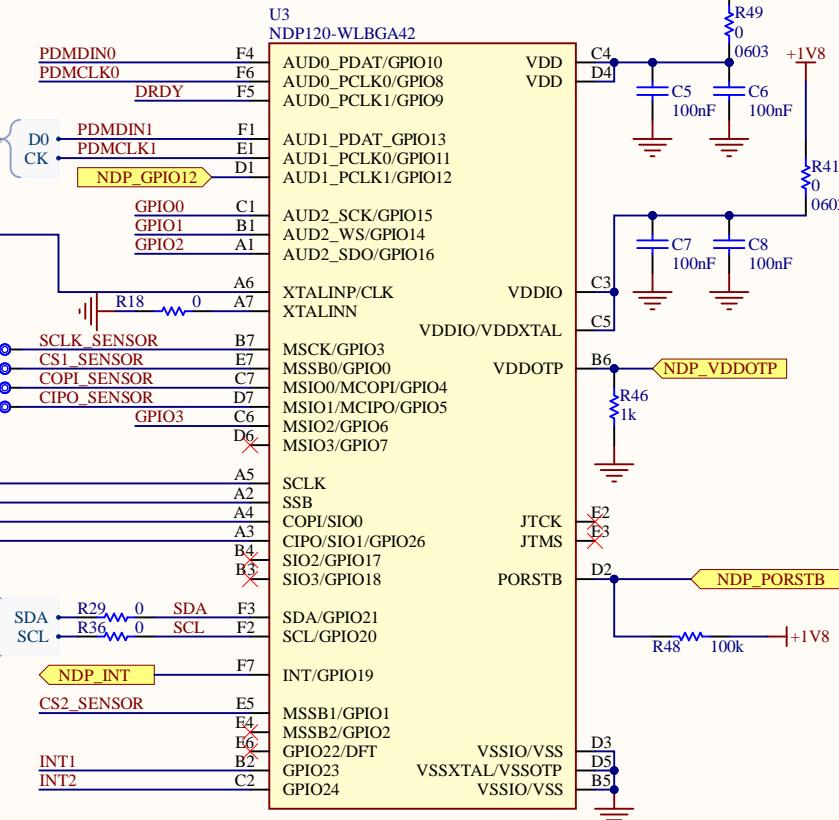
BOSCH 6 AXIS + 3 AXIS MOUNTING VARIANT



I²C PULLUPS



SYNTIANT AI SENSOR



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Title: SYNTIANT

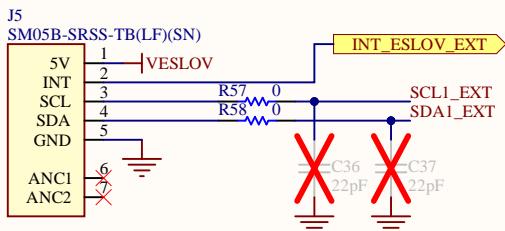
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Date: 11/11/2023 Time: 3:39:39 PM Sheet 4 of 7

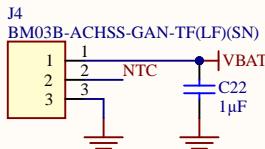


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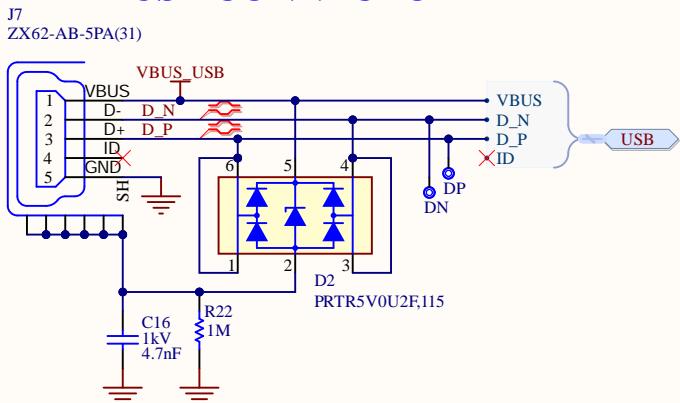
ESLOV CONNECTOR



BATTERY CONNECTOR



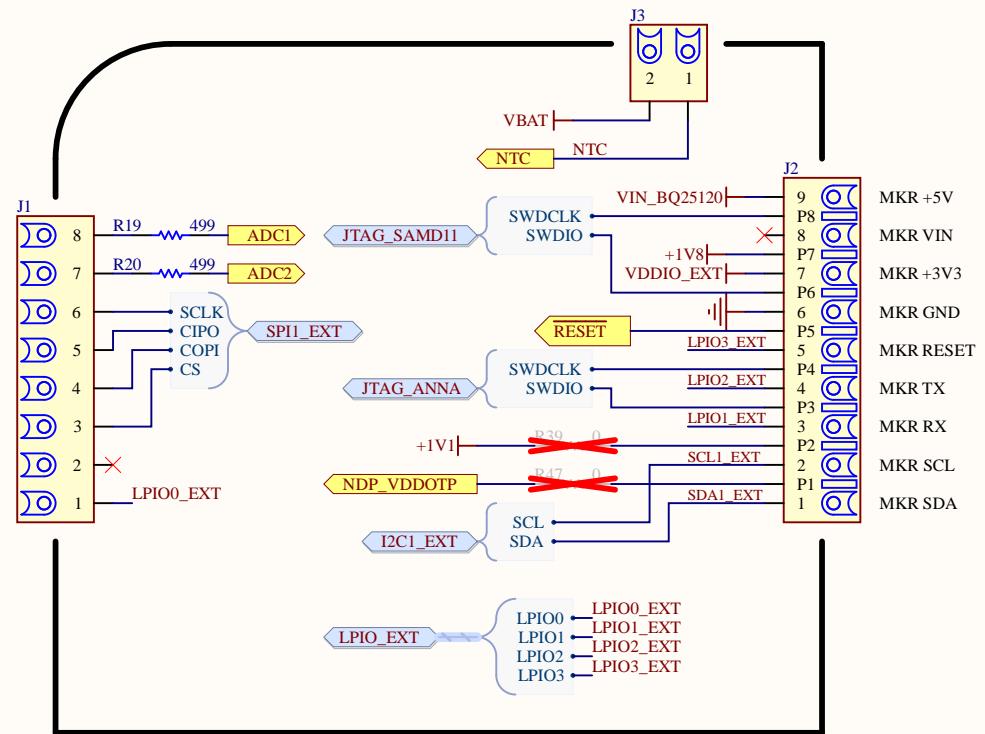
USB CONNECTOR



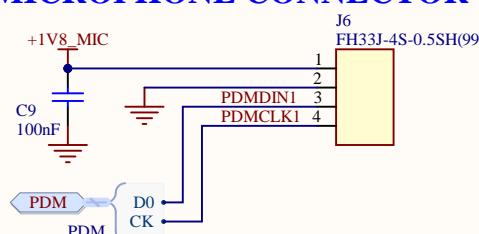
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SYNTYANT EXTERNAL MICROPHONE CONNECTOR



Title: CONNECTORS

ID: ABX00061

Revision: V0.5

Date: 11/11/2022

Time: 3:30:43 PM

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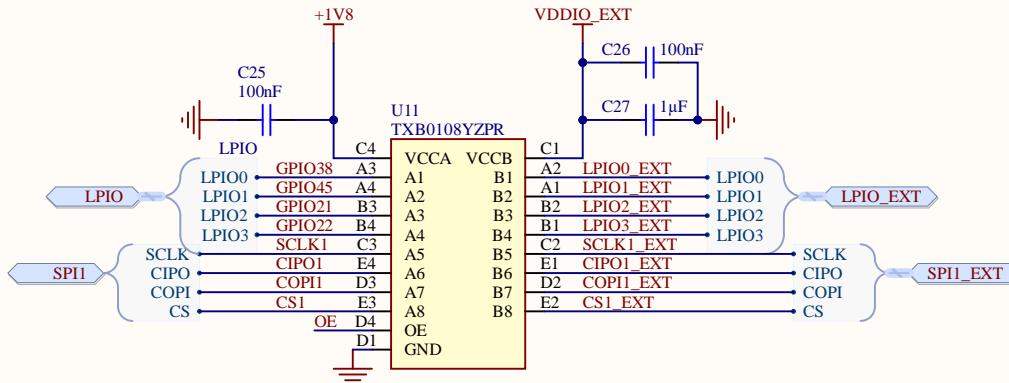
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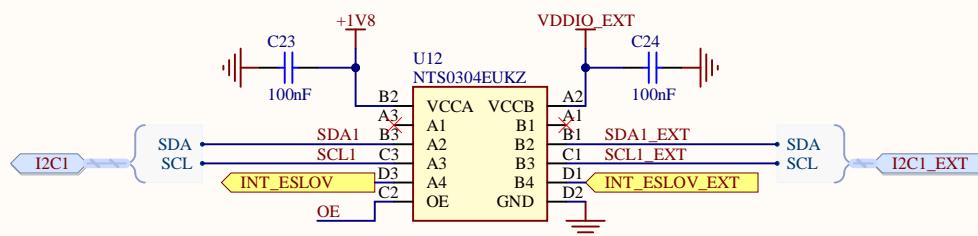
Author: Silvio Navaretti

RevAuthor: Silvio Navaretti

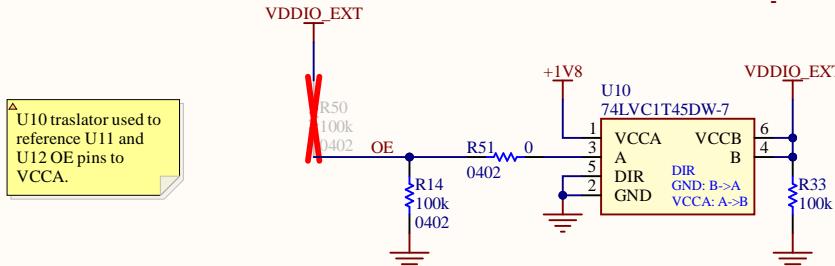
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B



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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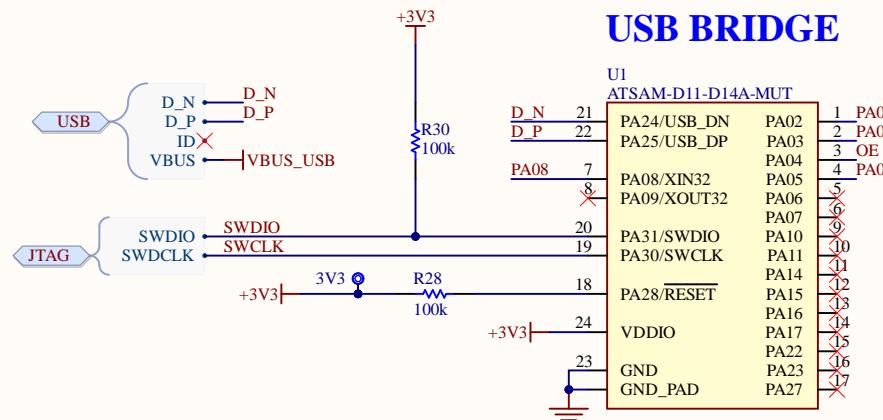
File: LevelShifters.SchDoc

Author: Silvio Navaretti

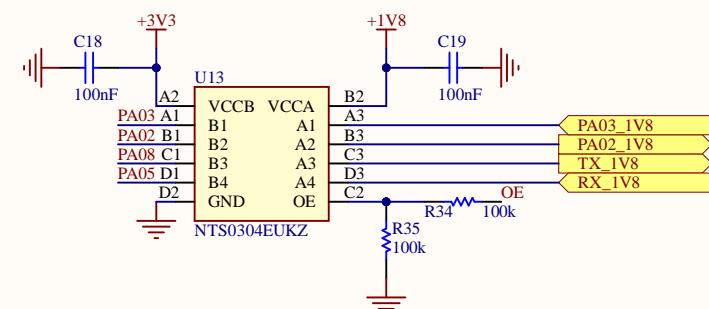


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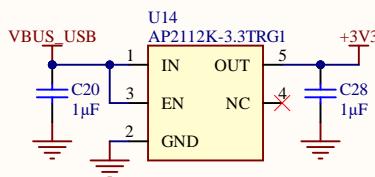
A



LEVEL TRANSLATOR



LDO 3V3 DEDICATED TO USB BRIDGE



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Title: USB BRIDGE

ID: ABX00061

Revision: V0.5



Date: 11/11/2022 Time: 3:30:53 PM Sheet 7 of 7

File: SAMD11 USB Bridge.SchDoc

Author: Silvio Navaretti



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