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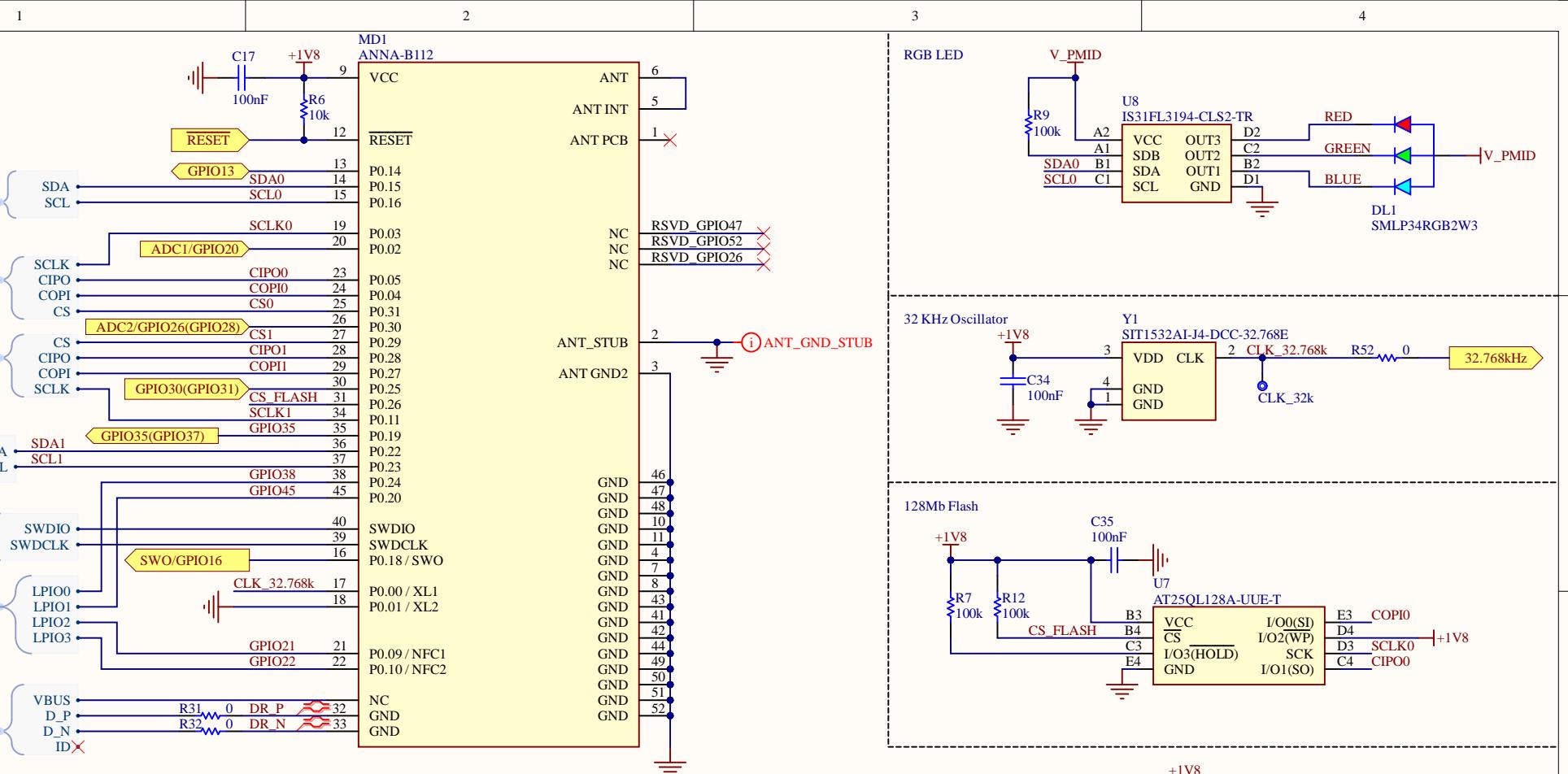
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Title: TOP

ID: ABX00061	Revision: V0.5
Date: 11/11/2022	Time: 3:41:50 PM
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: 11/11/2022

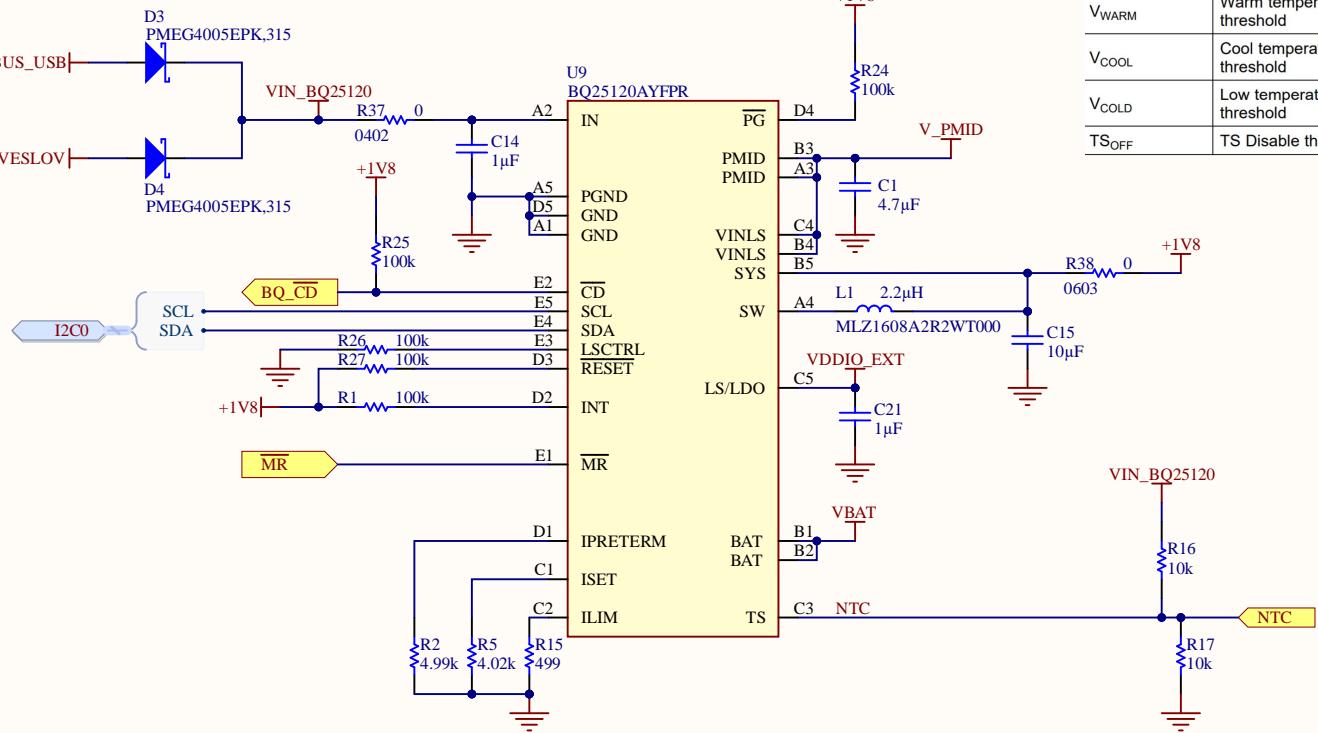
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Sheet 2 of 7

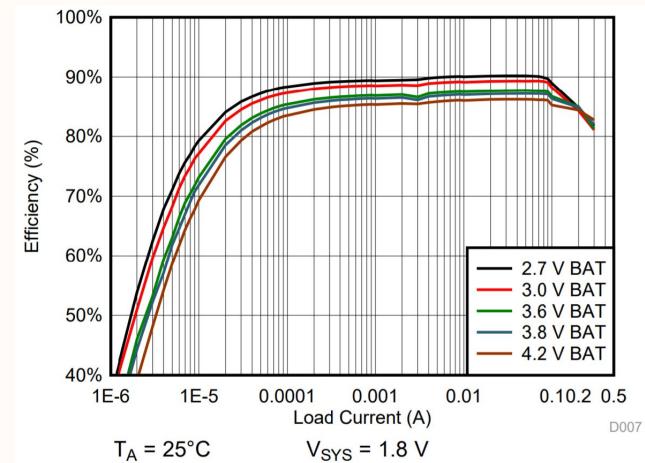
File: ANNAB112_BQ.SchDoc

Author: Silvio Navaretti

RevAuthor: Silvio 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	60	%V _{IN}

**Figure 48. 1.8 V_{SYS} System Efficiency**

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Title: POWER**ID: ABX00061**

Revision: V0.5

Date: 11/11/2022

Time: 3:42:00 PM

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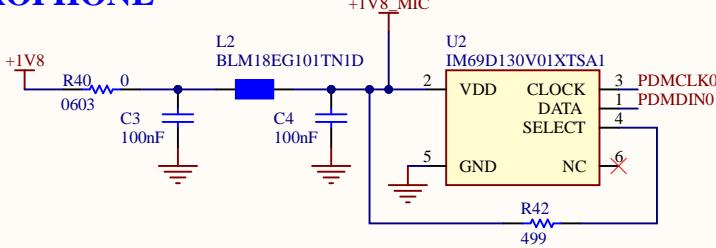
File: Power_bq.SchDoc

Author: Silvio Navaretti

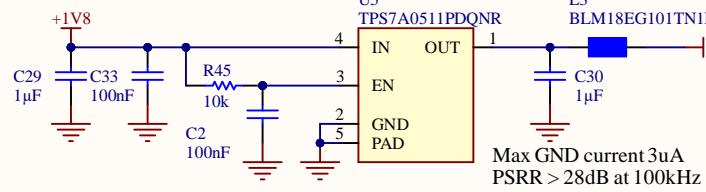
RevAuthor: Silvio Navaretti



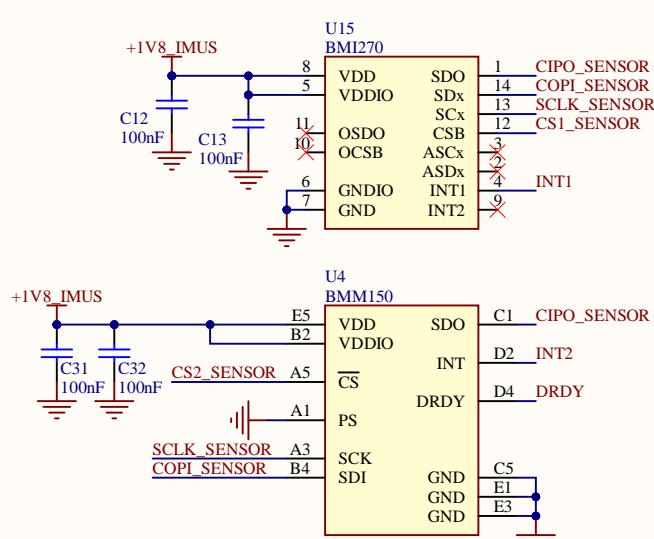
MICROPHONE



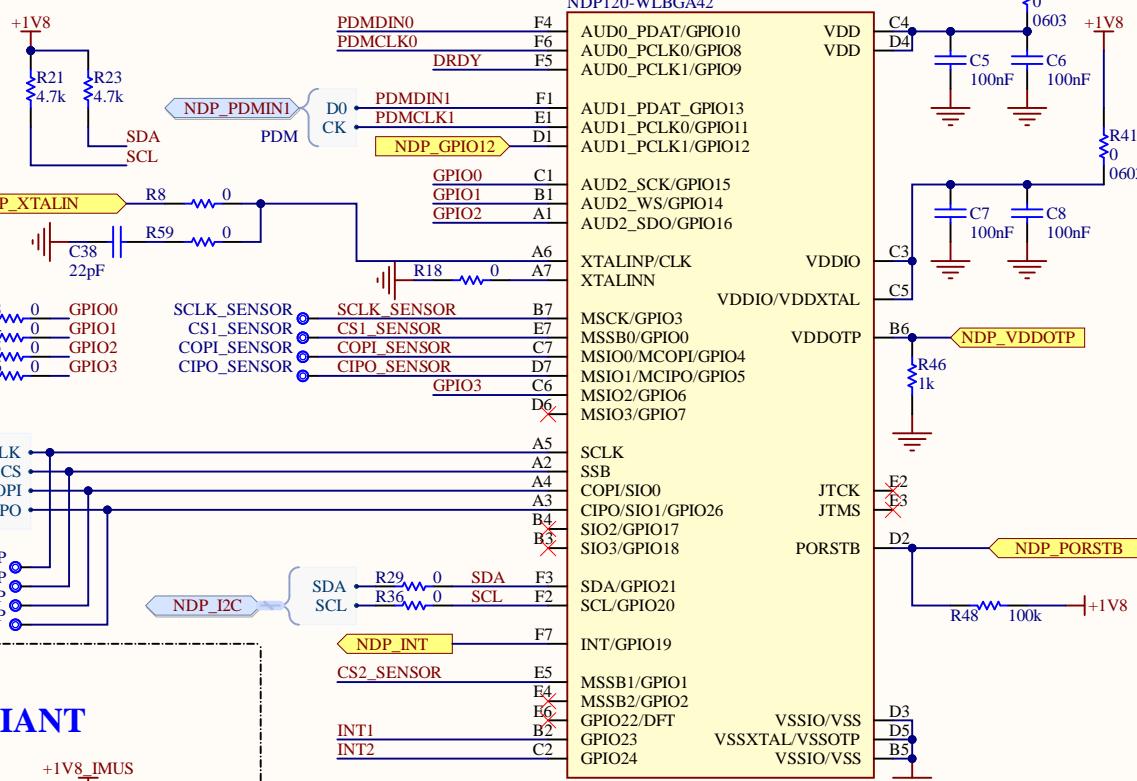
LOW IQ HIGH PSRR LDO DEDICATED TO NDP120



BOSCH 6 AXIS + 3 AXIS MOUNTING VARIANT



I2C PULLUPS



SYNTIANT AI SENSOR

Title: SYNTIANT

ID: ABX00061

Revision: V0.5

Date: 11/11/2022

Time: 3:42:05 PM

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File: Syntiant.SchDoc



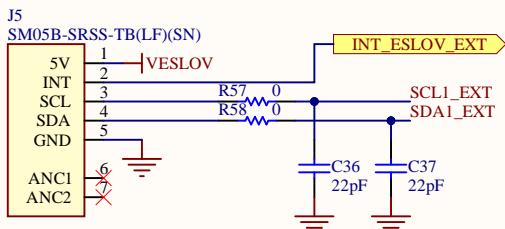
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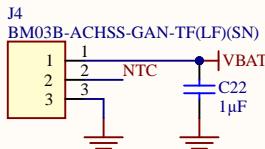
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A

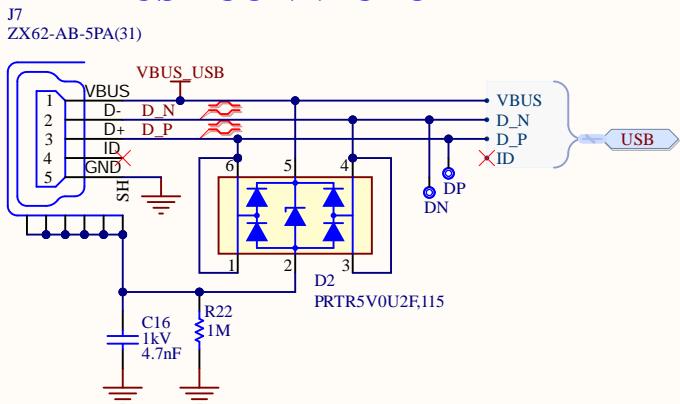
ESLOV CONNECTOR



BATTERY CONNECTOR



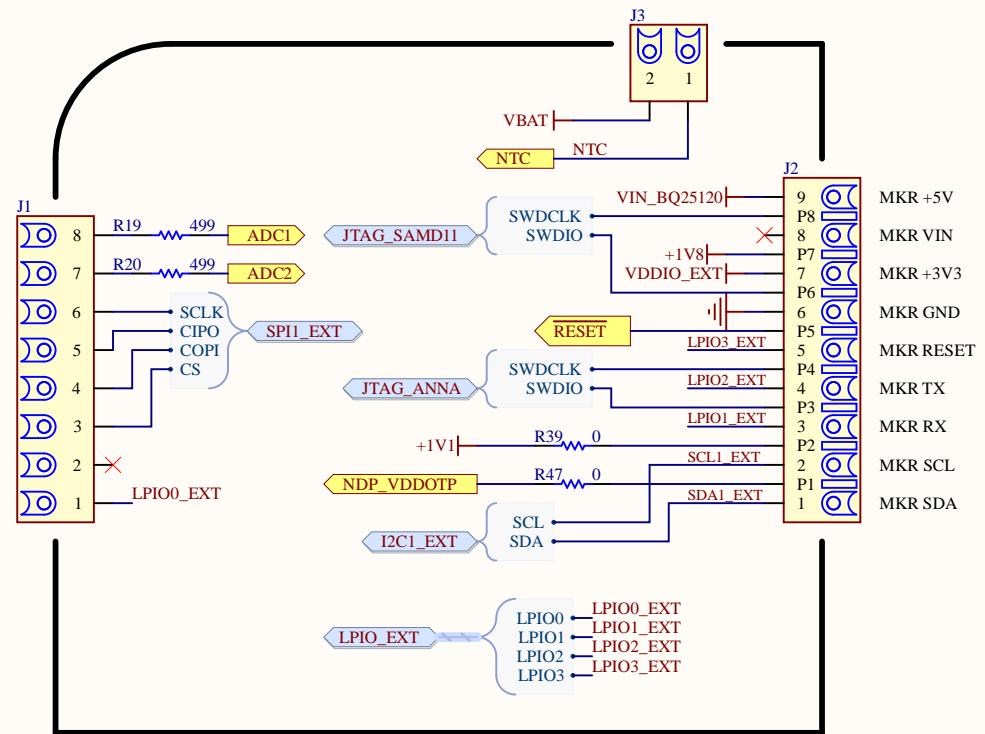
USB CONNECTOR



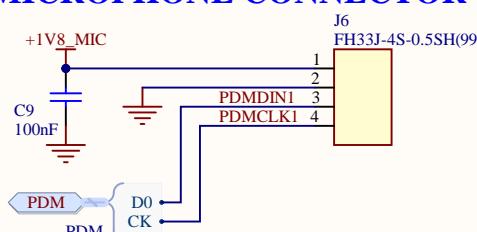
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SYNTYANT EXTERNAL MICROPHONE CONNECTOR



Title: CONNECTORS

ID: ABX00061

Revision: V0.5

Date: 11/11/2022

Time: 3:42:10 PM

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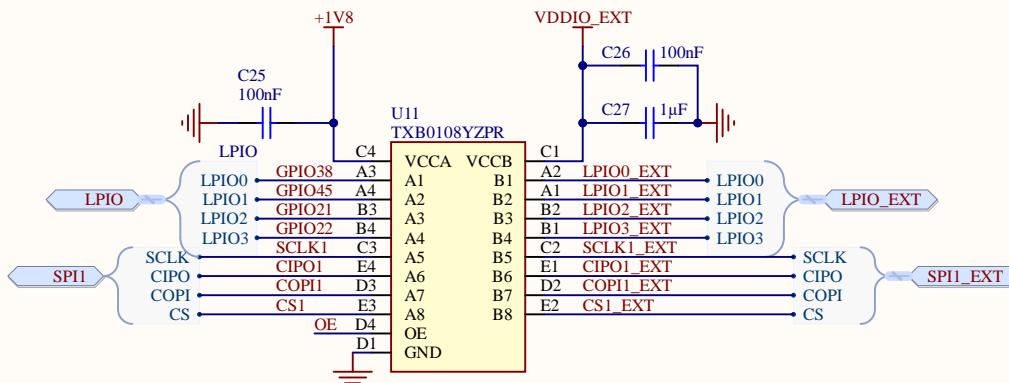
File: Connectors.SchDoc

Author: Silvio Navaretti

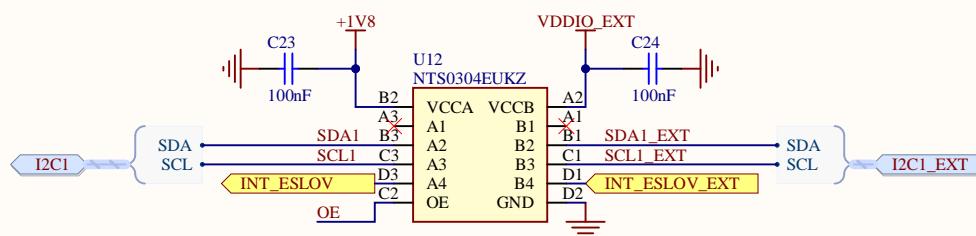


RevAuthor: Silvio Navaretti

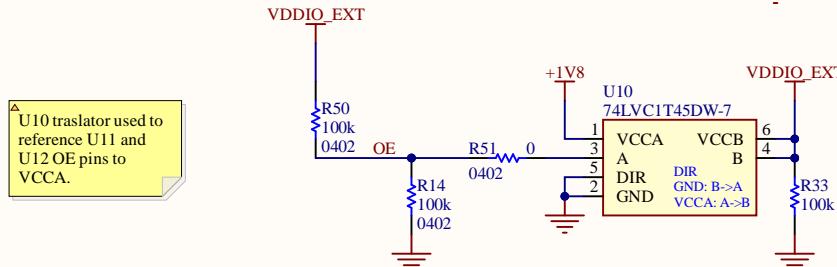
A



B



C



▲ U10 translator used to reference U11 and U12 OE pins to VCCA.

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Title: LEVEL SHIFTERS

ID: ABX00061

Revision: V0.5

Date: 11/11/2022

Time: 3:42:15 PM

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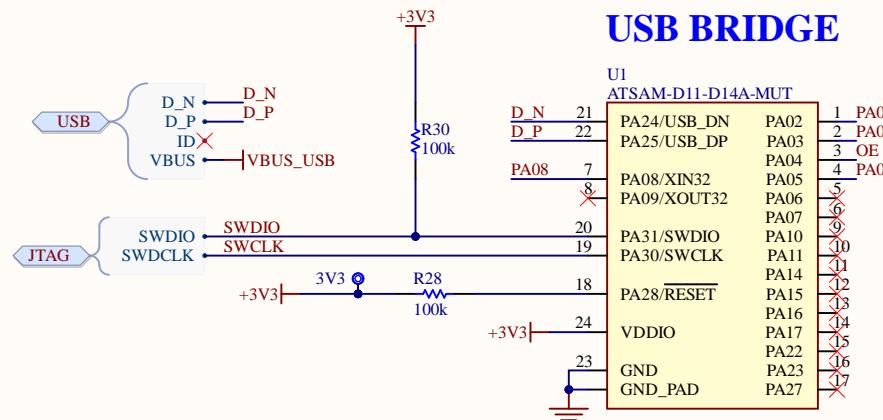
File: LevelShifters.SchDoc

Author: Silvio Navaretti

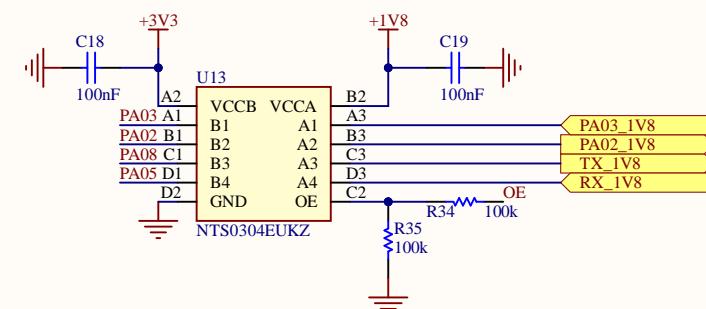


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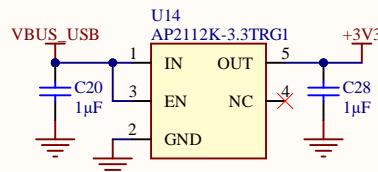
A



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: 3:42:20 PM Sheet 7 of 7

File: SAMD11 USB Bridge.SchDoc

Author: Silvio Navaretti

