

STM32WBA55G-DK1

MB1802

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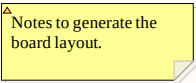
Sheet 1 : Project_overview (this page)
Sheet 2 : Top: Hierarchical view
Sheet 3 : MCU
Sheet 4 : Joystick_&_RESET
Sheet 5 : Audio Codec
Sheet 6 : Arduino
Sheet 7 : STMod+
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Sheet 10 : ST Link V3EC
Sheet 11: External Debug Interface

Legend

General comment such as function title, configuration, ...

Text to be added to silkscreen.

Warning text.



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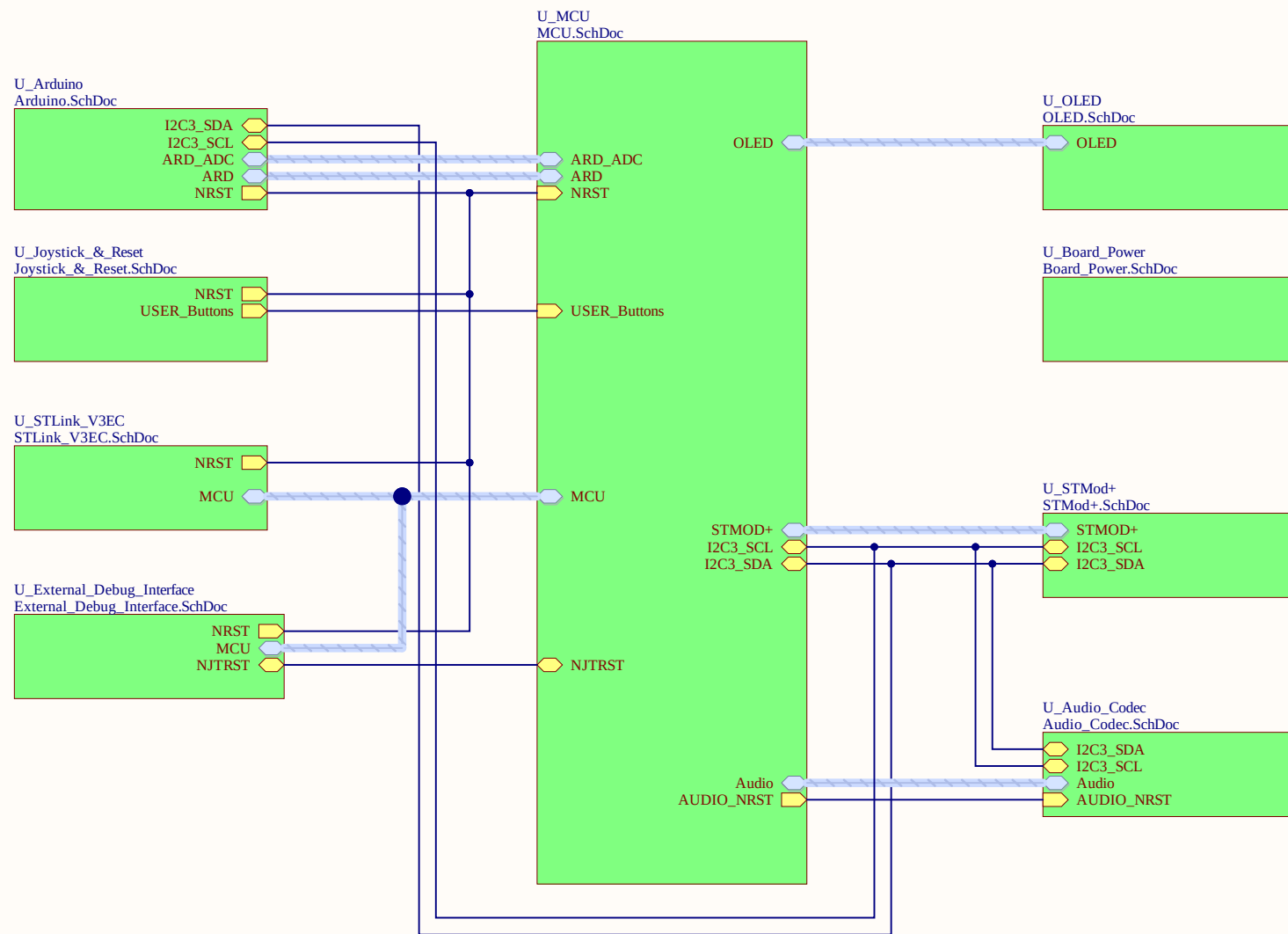
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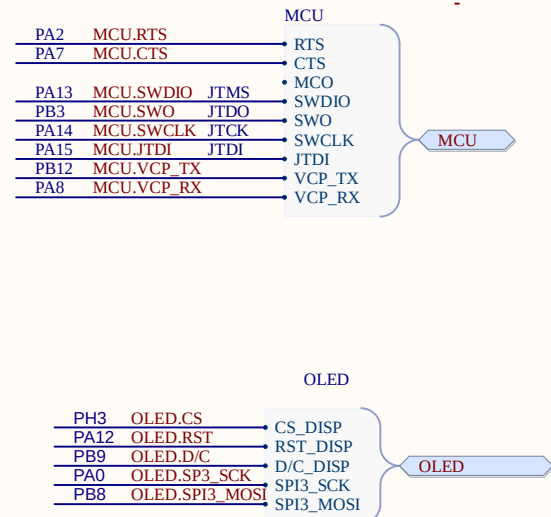
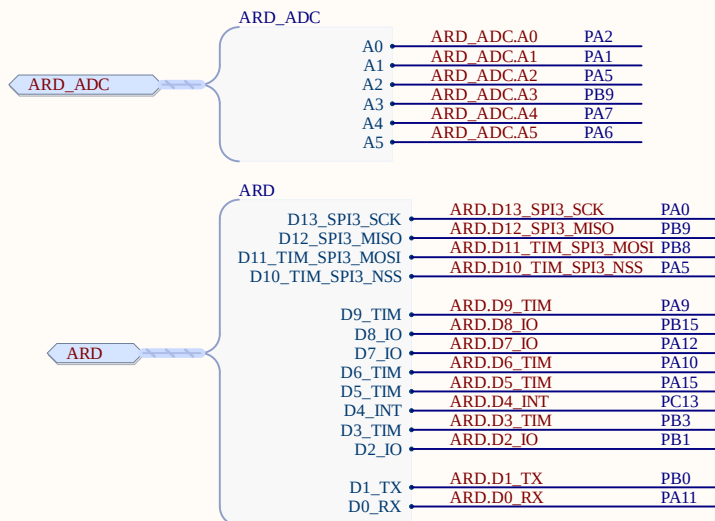
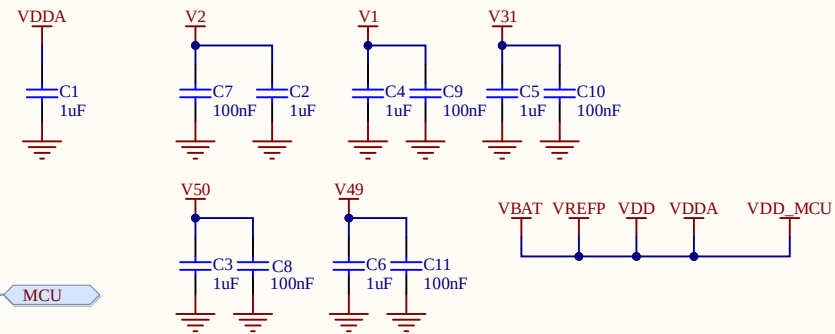
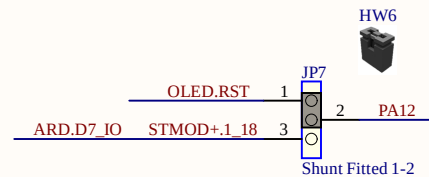
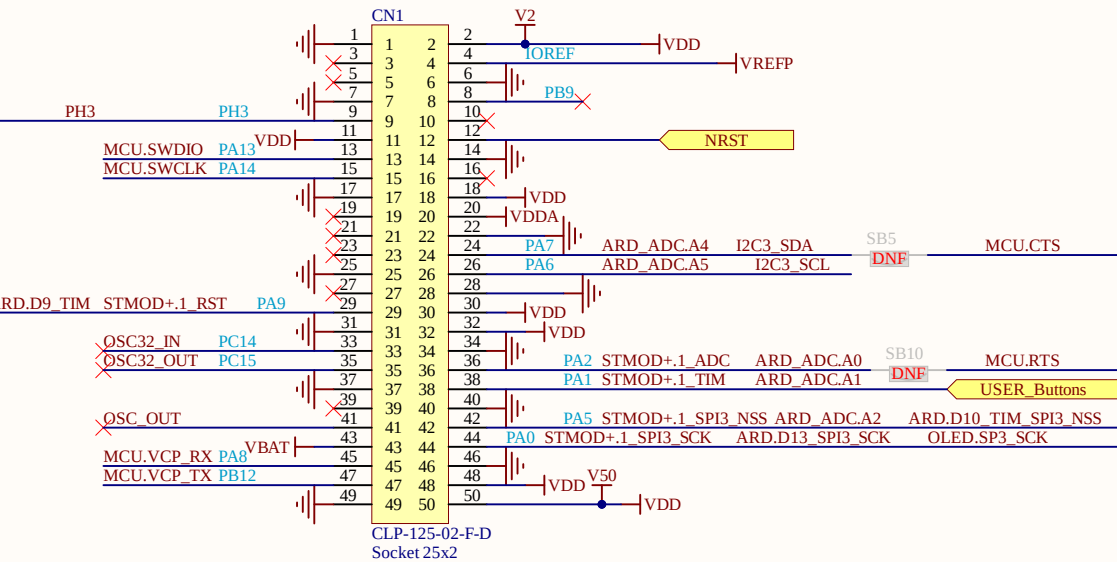
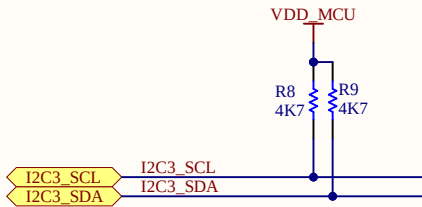
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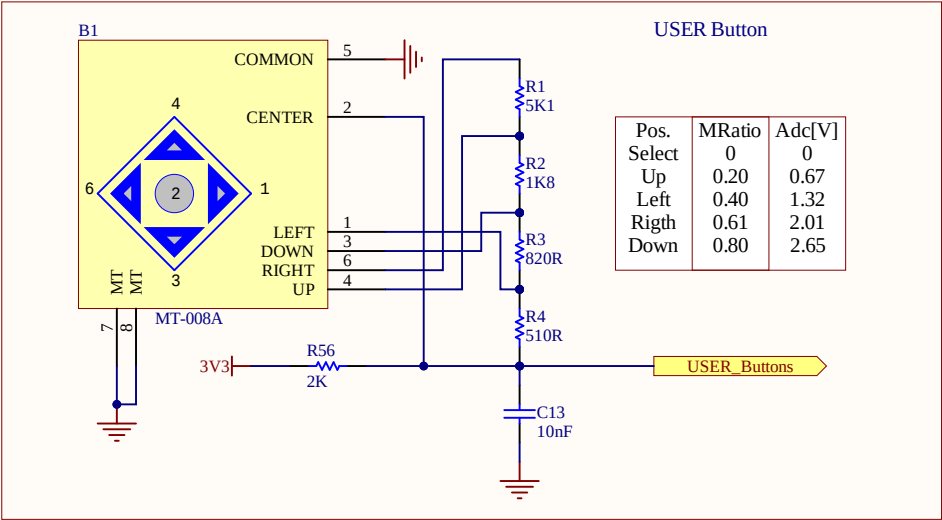
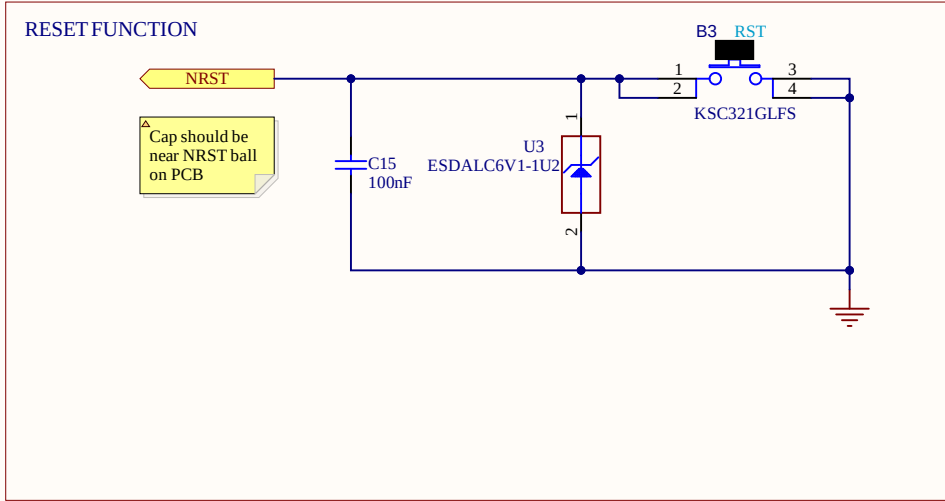
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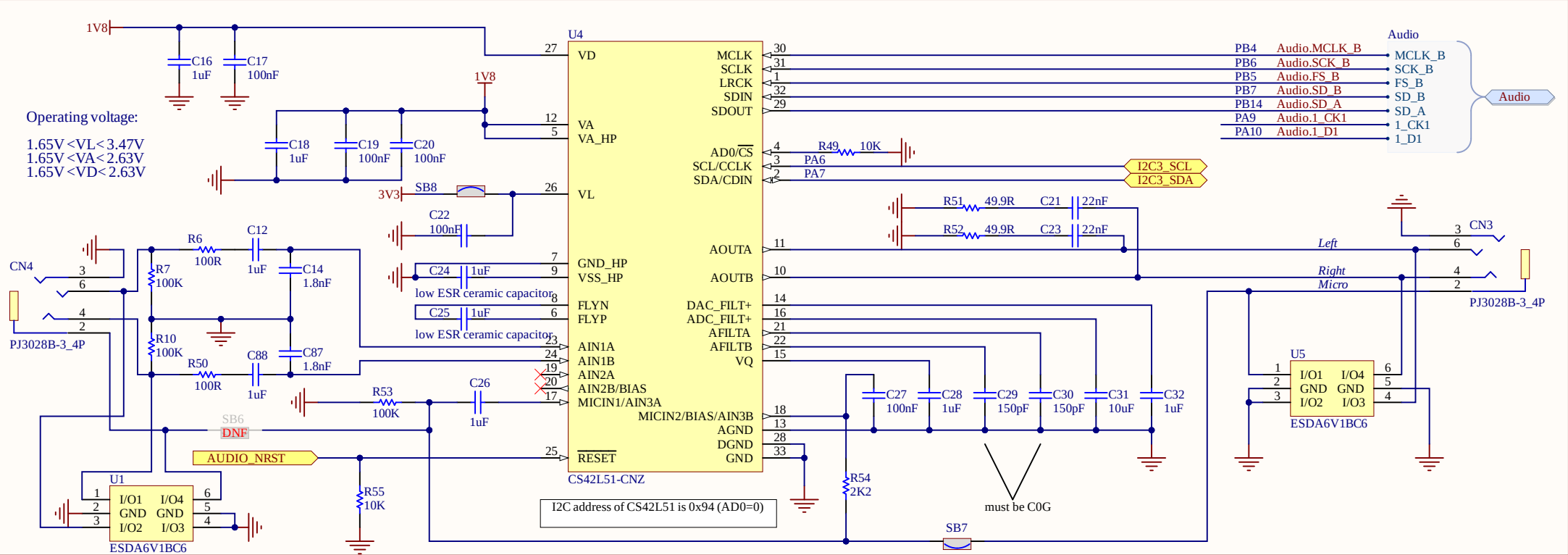






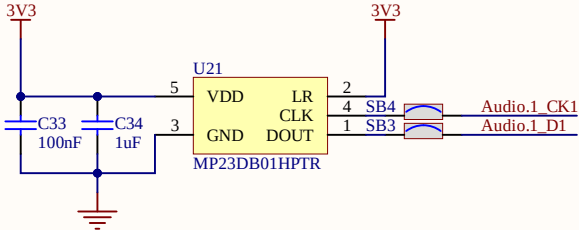


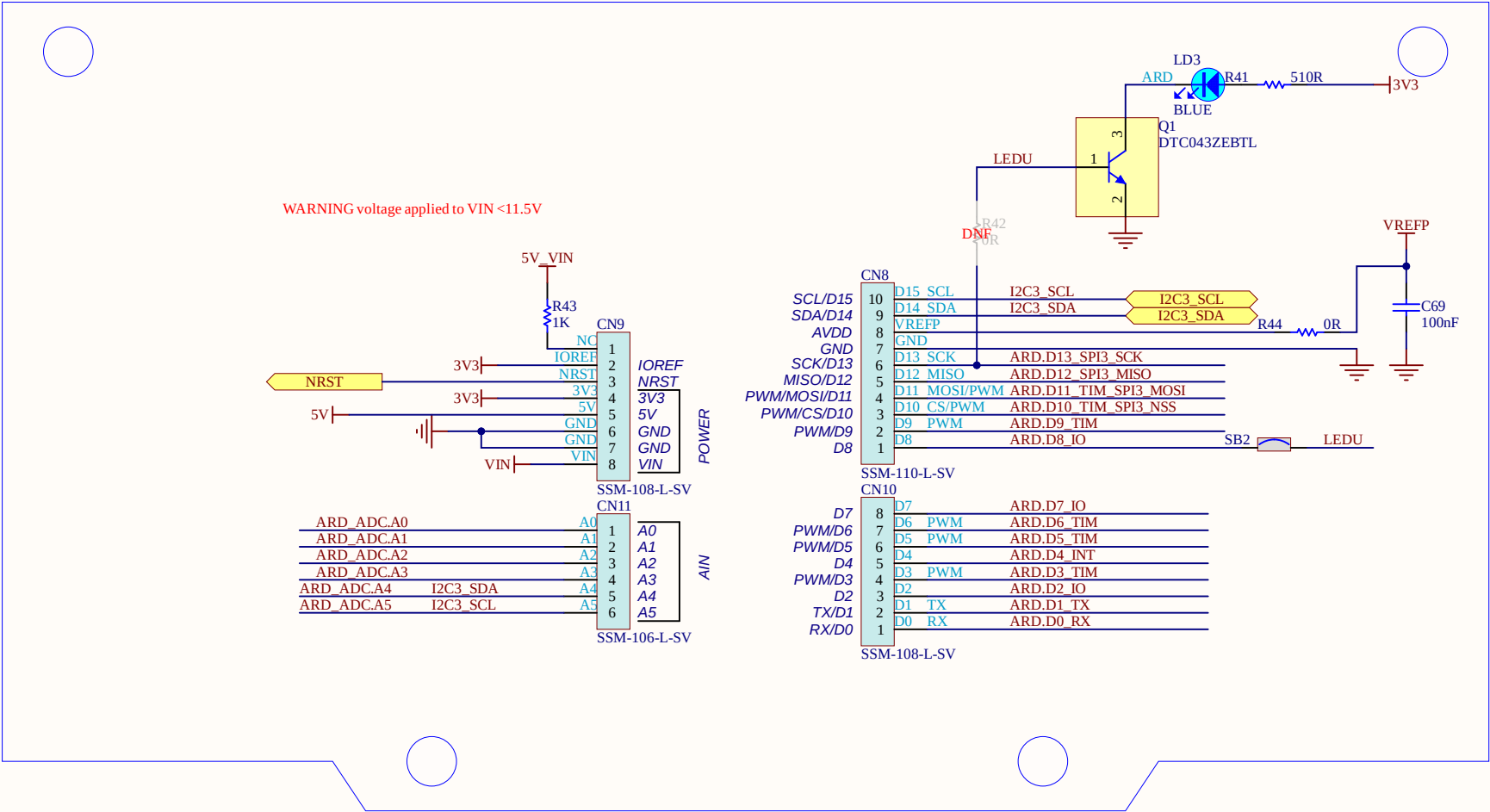
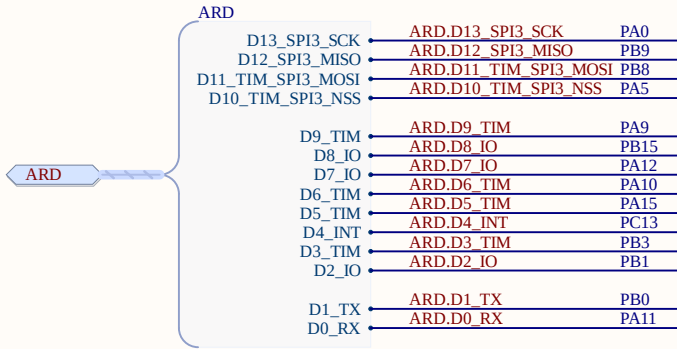
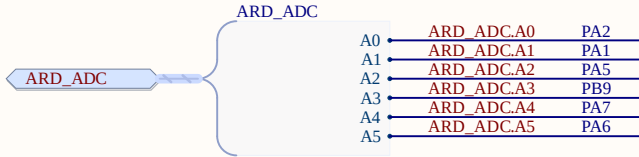
AUDIO CODEC

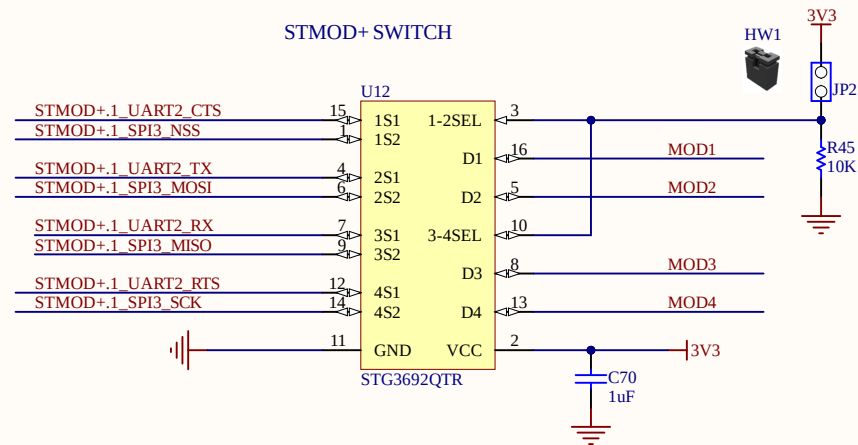
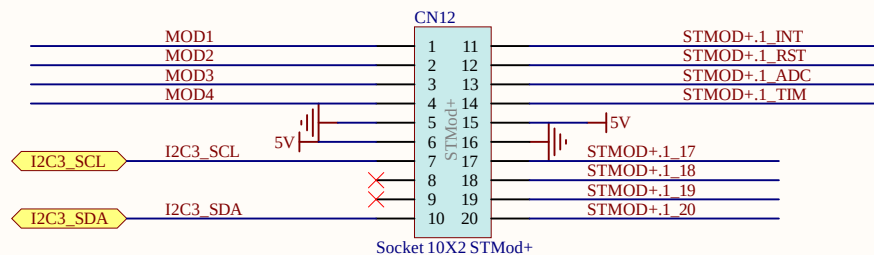


On-board MEMS microphone

Operating voltage: 1.6V < VDD < 3.6V

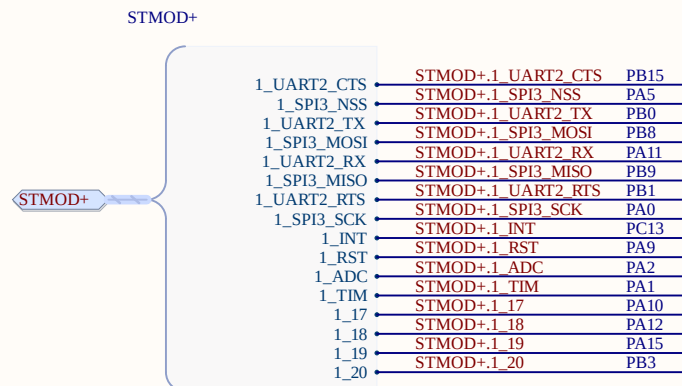
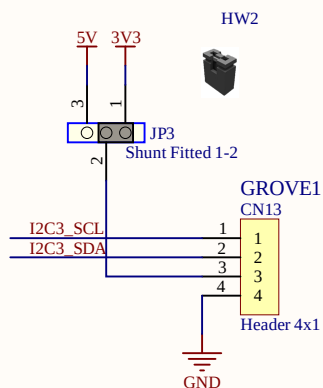


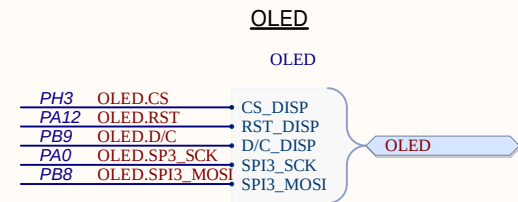




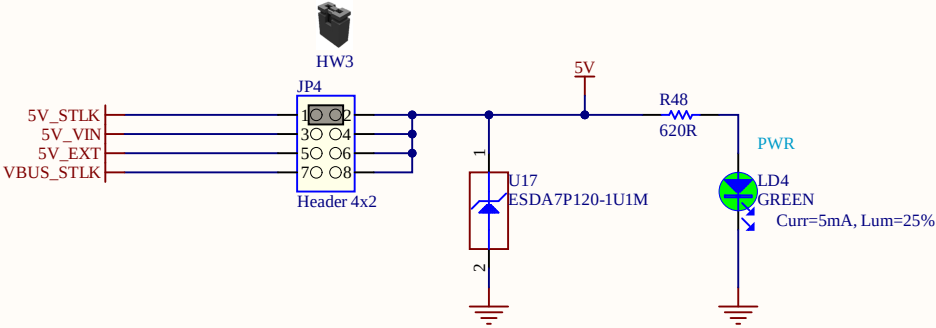
	SPI (*)	UART
Jumper JP2	JP2 OFF	JP2 ON
MOD1	NSS	CTS
MOD2	MOSI	TX
MOD3	MISO	RX
MOD4	SCK	RTS

(*) default configuration

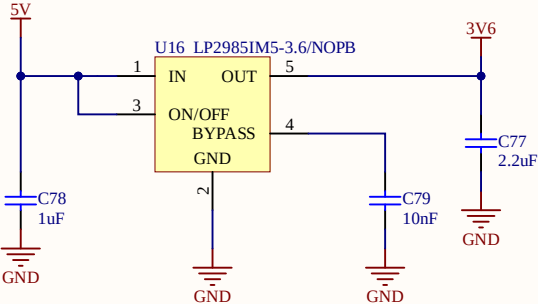




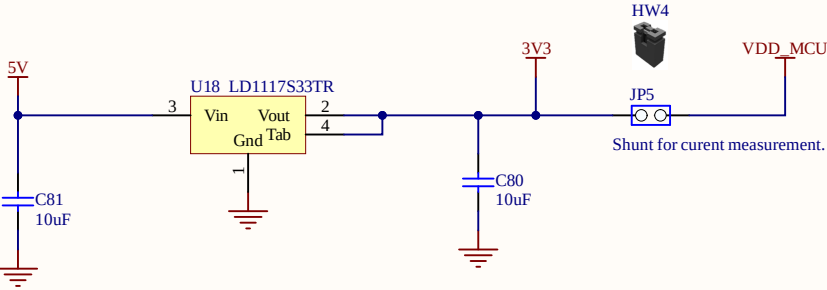
5V PWR SOURCE SELECTION



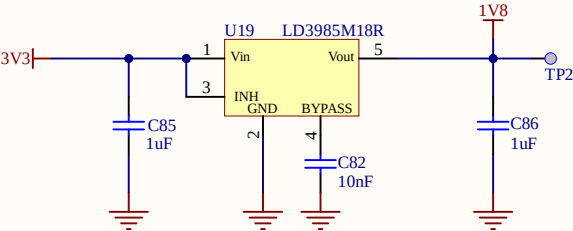
PWR SOURCE: 3V6 / 150mA(OLED)



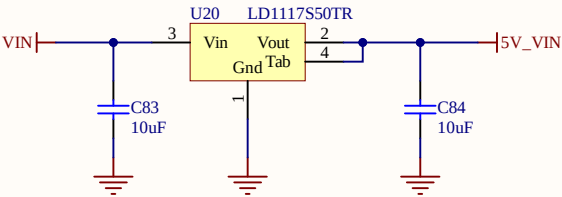
3V3 PWR SOURCE: 3V3 / 800mA



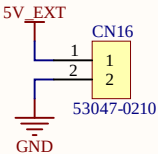
1V8 / 150mA (Audio codec)

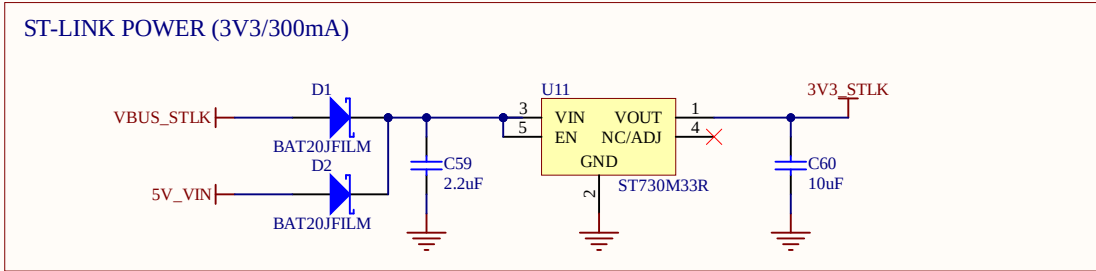
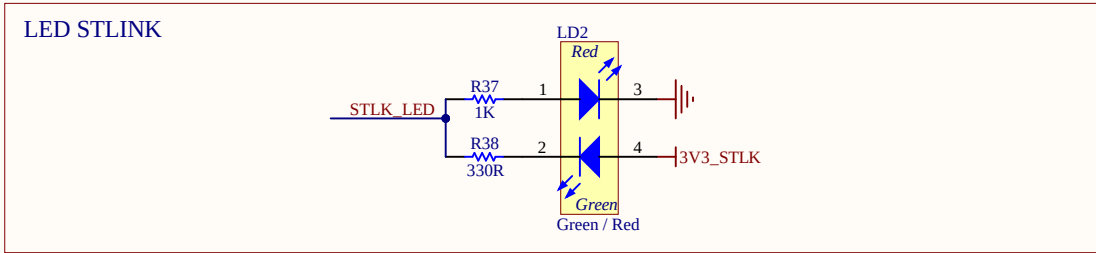
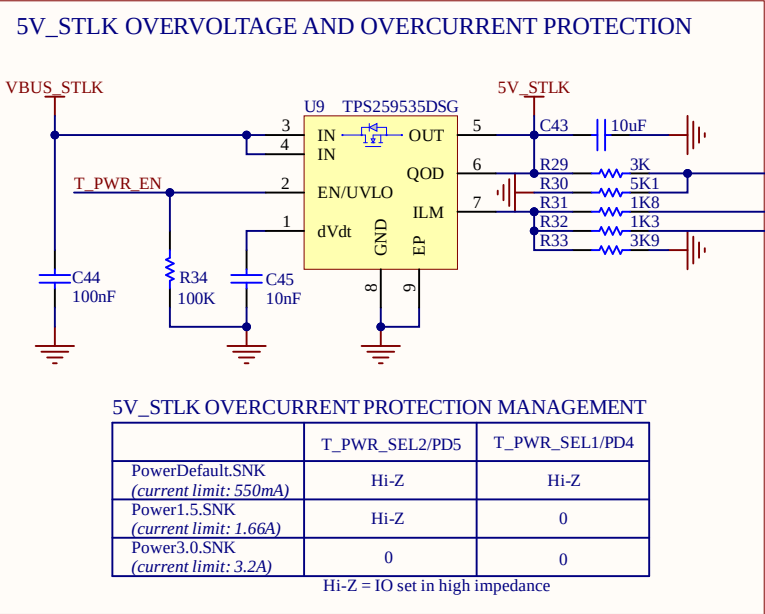


VIN FROM ARDUINO up to 12V: OUTPUT 5V / Up to 800mA (depend of VIN)

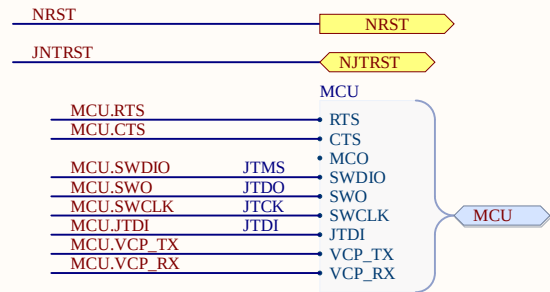


External 5V

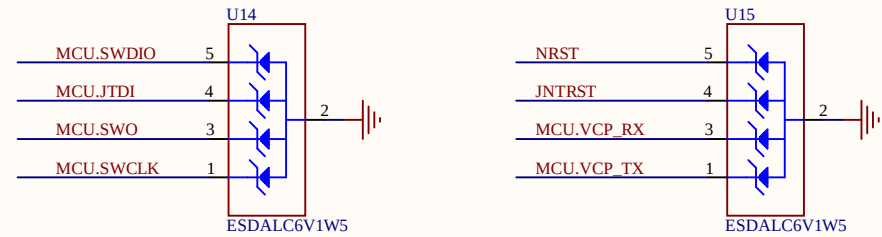




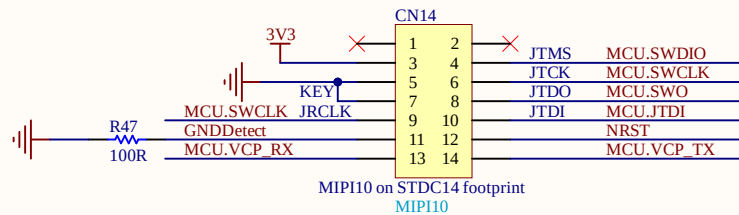
EXTERNAL DEBUGGER INTERFACE



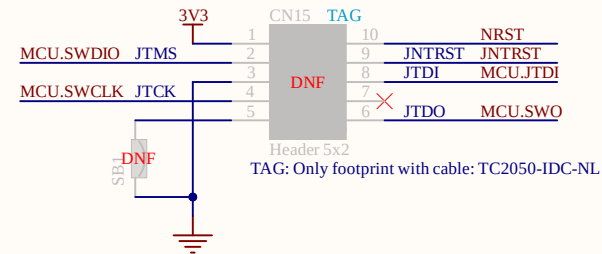
ESD PROTECTIONS

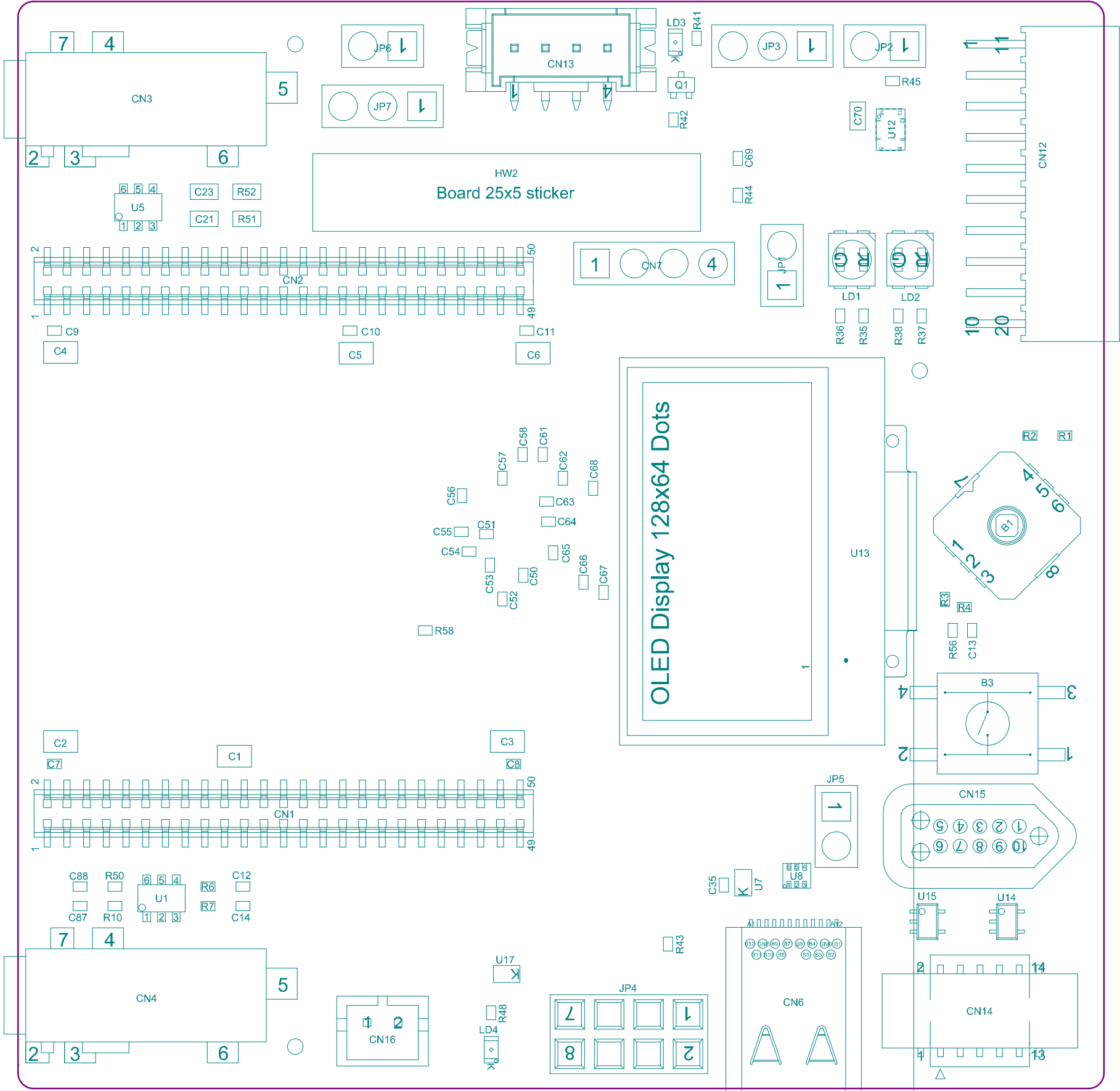


STDC14 RECEIVER (Optional)



TAG RECEIVER (Optional)





Project: STM32WBA55G-DK1

Layer: M14-Top Assembly

Variant: WBA55C

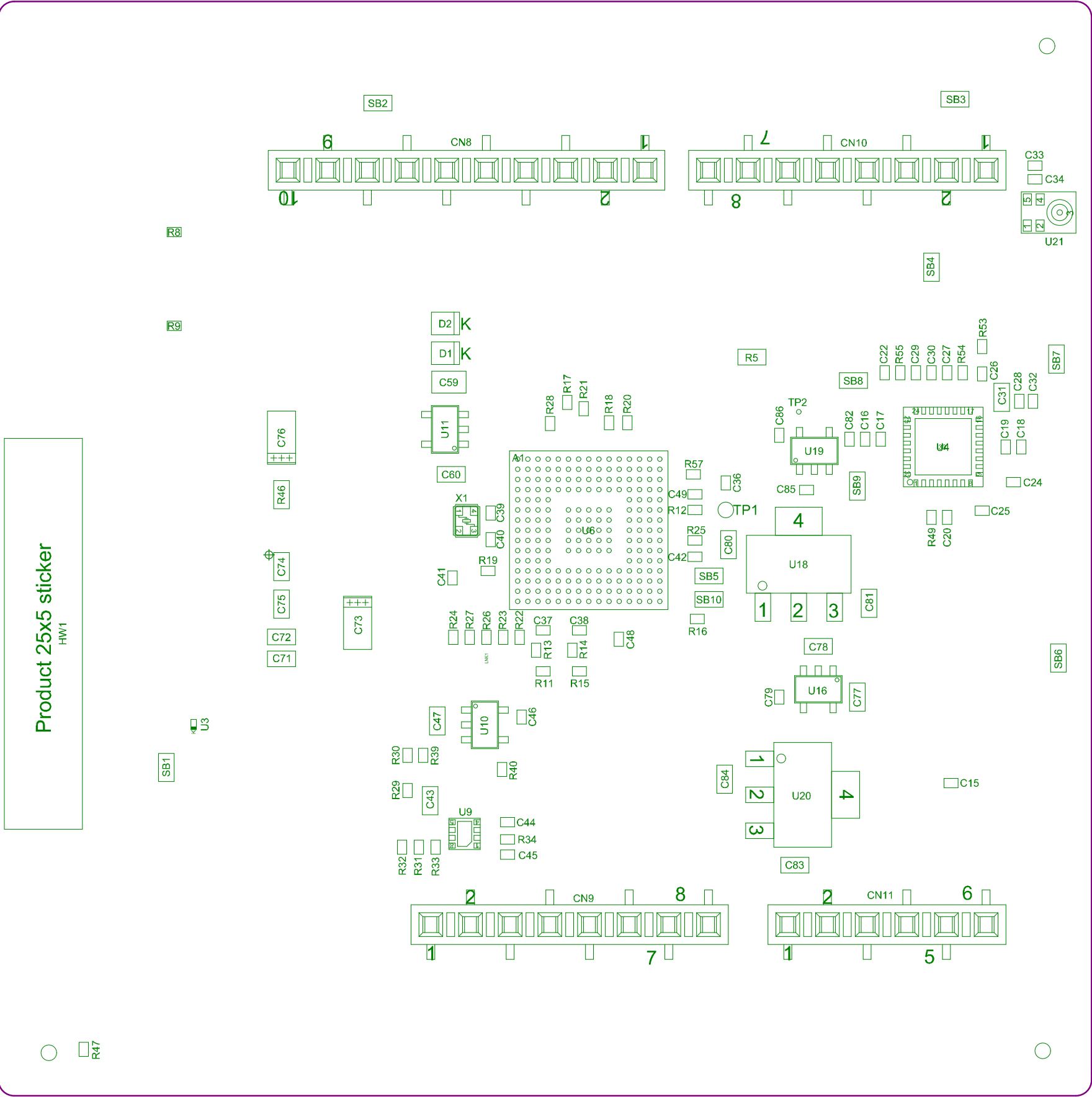
Date: 22-MAY-23

Gerber: .GM14

Ref: MB1802

Rev: B





Project: STM32WBA55G-DK1

Layer: M15-Bottom Assembly

Variant: WBA55C

Date: 22-MAY-23

Gerber:.GM15

Ref: MB1802

Rev: B



