

STM32WBA5M M2 expansion board

MB2131

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Legend

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

Text to be added to silkscreen.

Warning text.

A

Notes to generate the board layout.

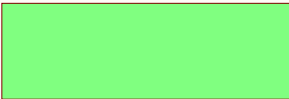
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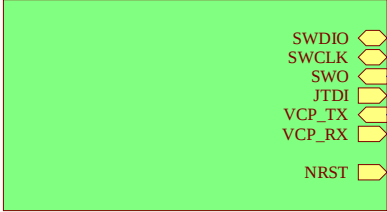
U_TOP
TOP:SchDoc



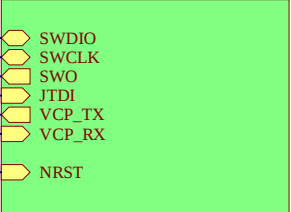
Title: Project overview		
Project: STM32WBA5M M2 expansion board		
Variant: WBA5M		
Revision: B-02	Reference: MB2131	
Size: A4	Date: 04 Nov. 2024	Sheet: 1 of 7



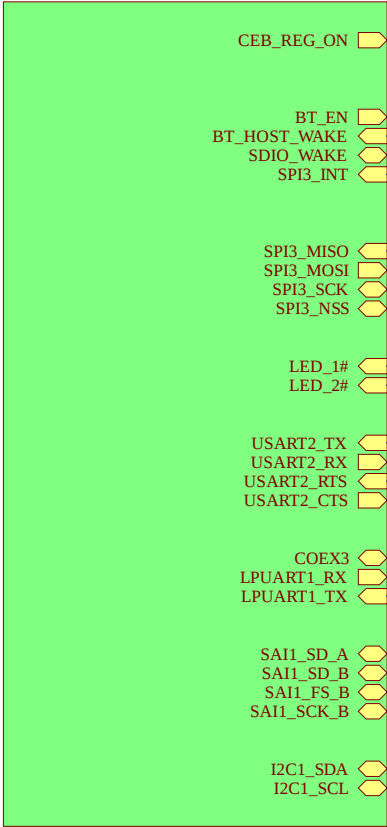
U_External_Debug_Interface
External_Debug_Interface.SchDoc



U_MCU
MCU.SchDoc



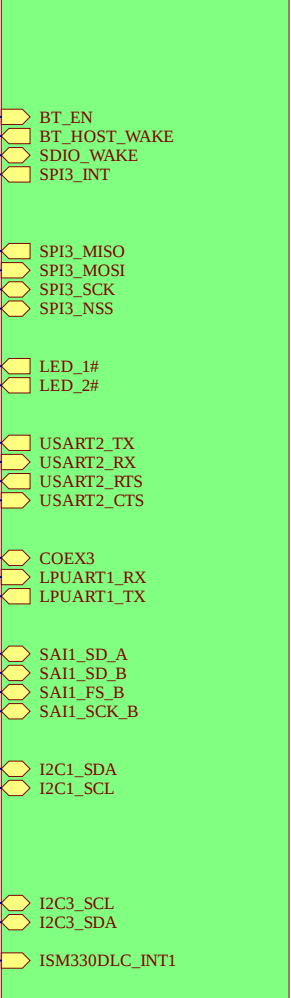
U_M2
M2.SchDoc

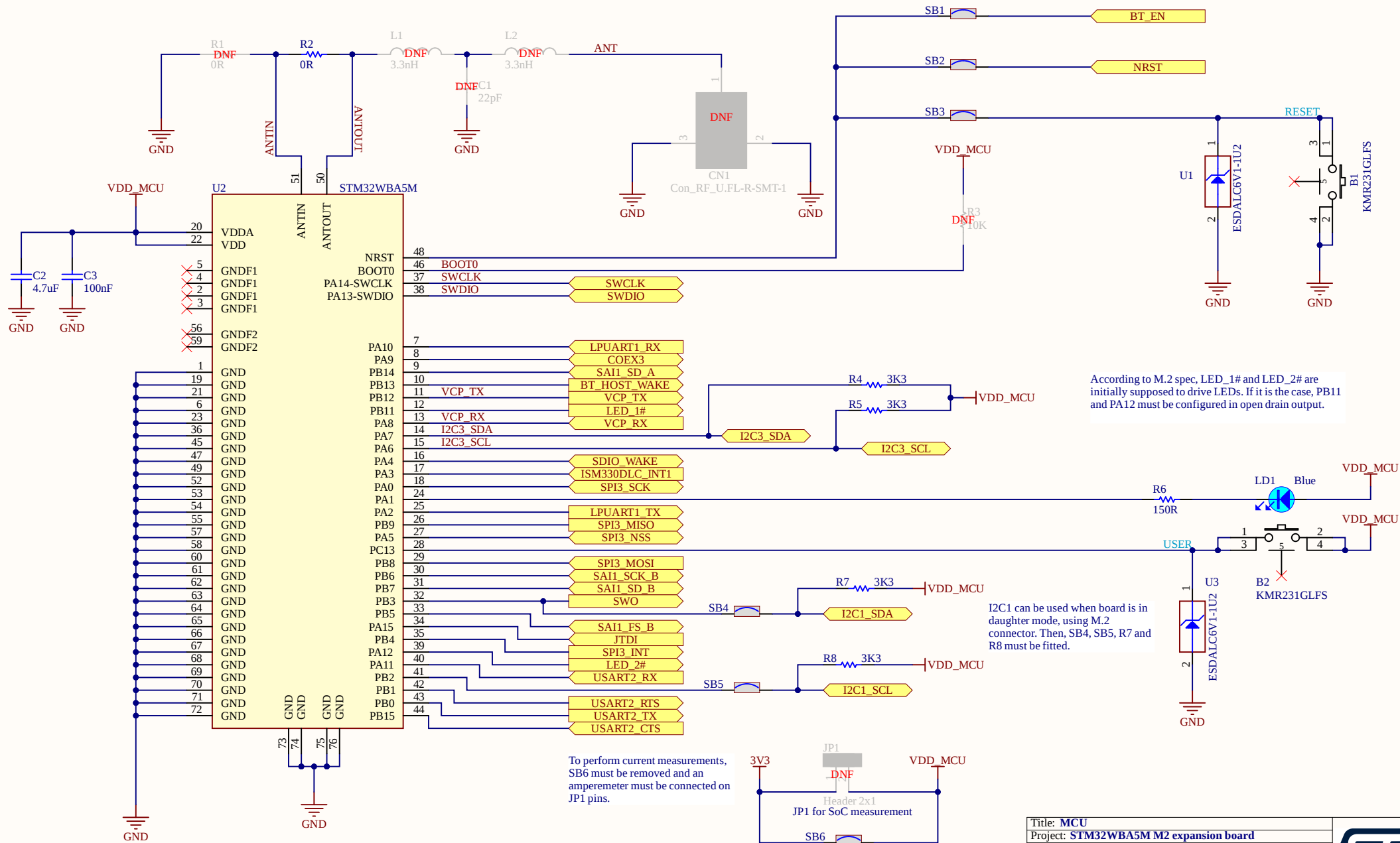


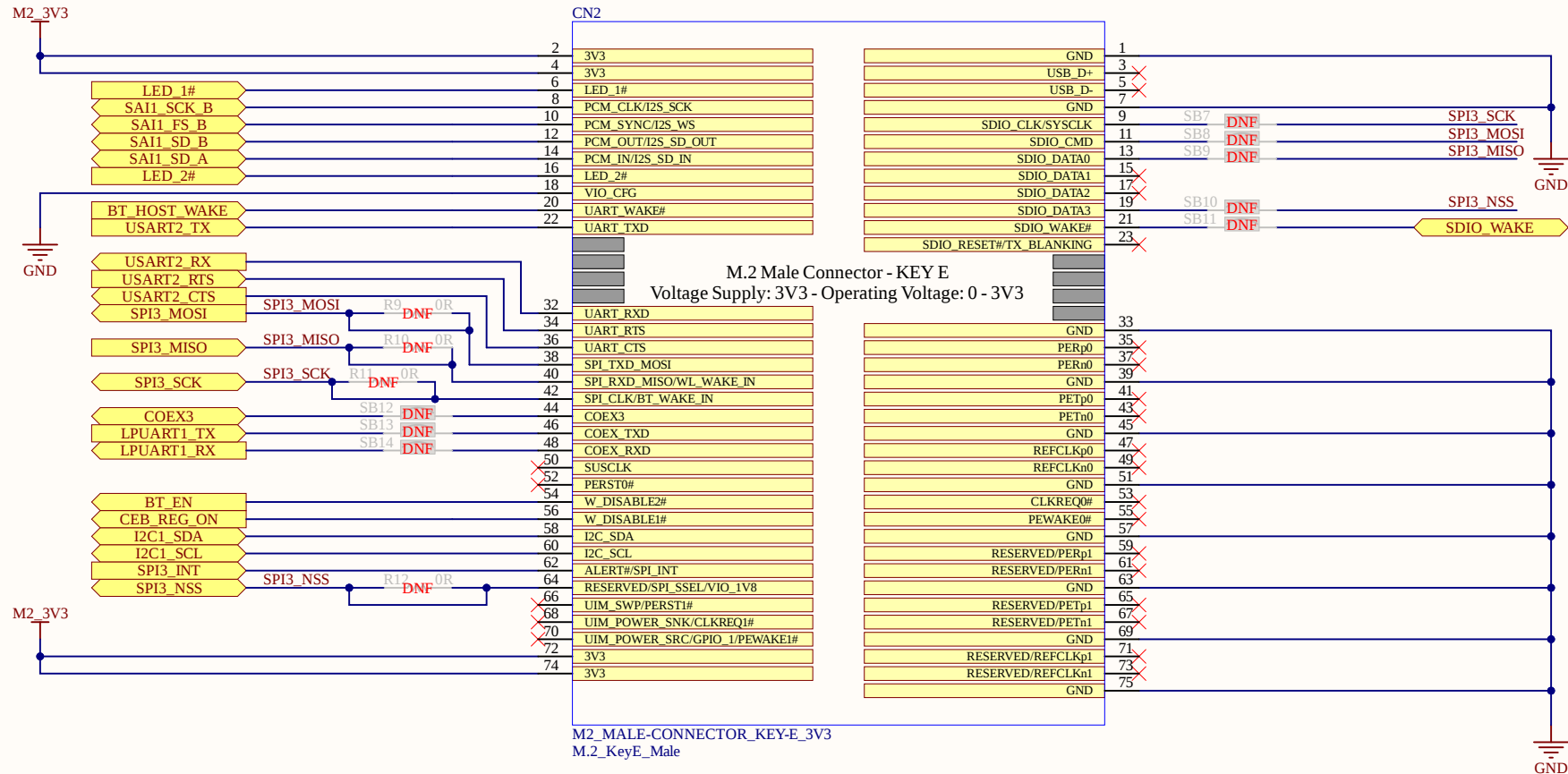
U_Board_Power
Board_Power.SchDoc



U_Mems
Mems.SchDoc

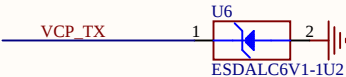
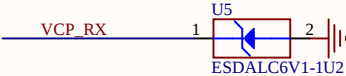
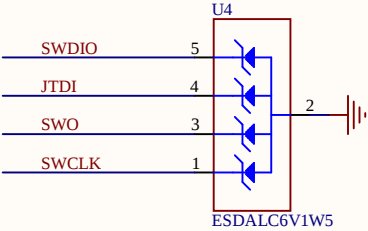






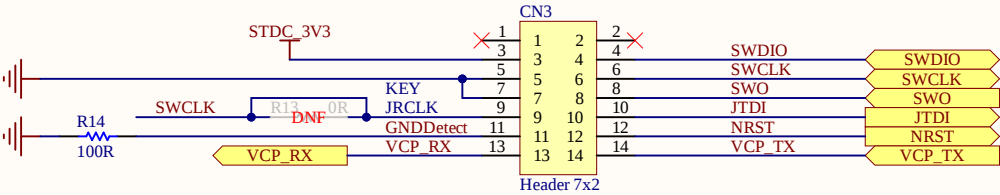
ESD PROTECTIONS

Pin attributions on ESD can be swapped for layout optimisation

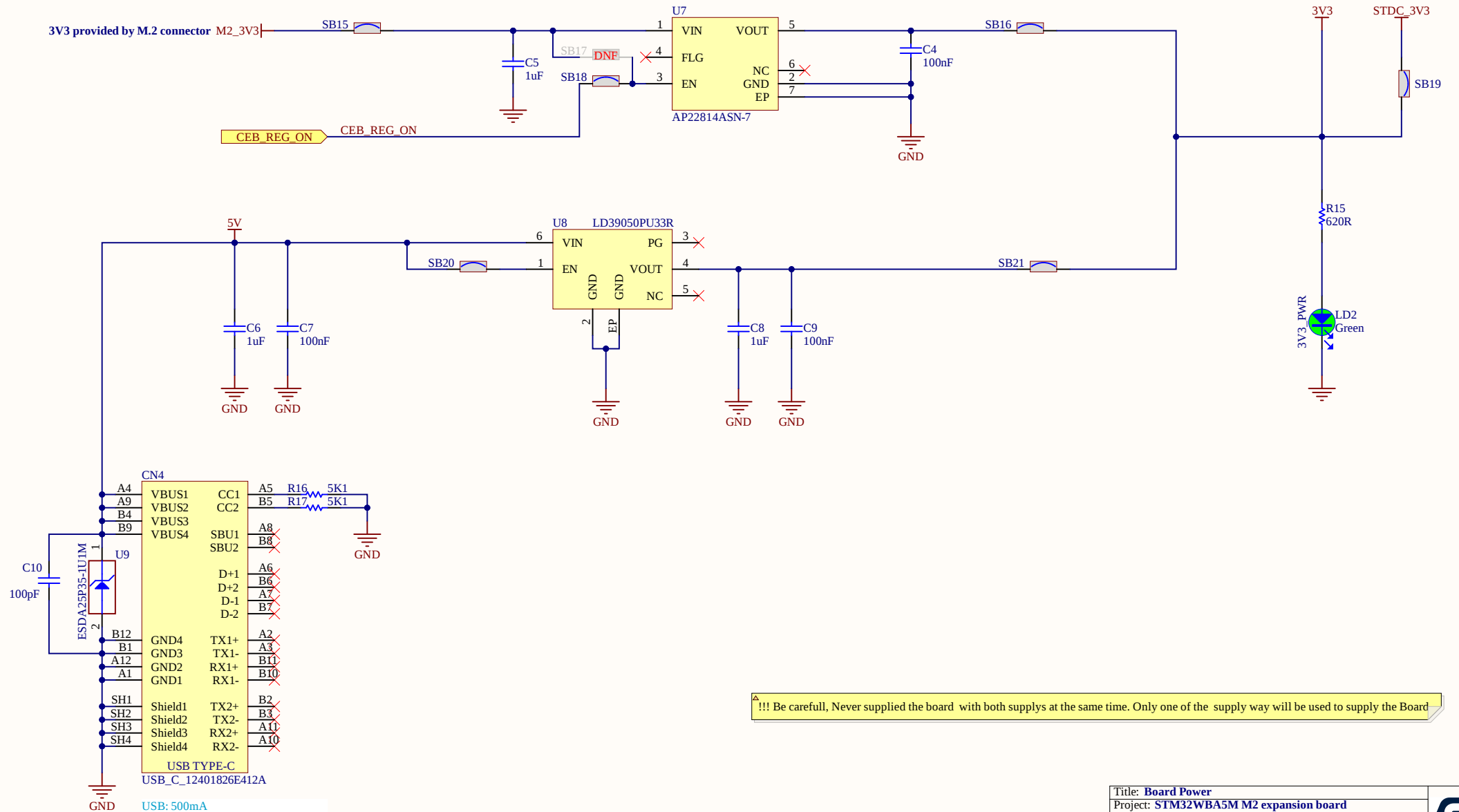


STDC14 receiver connector

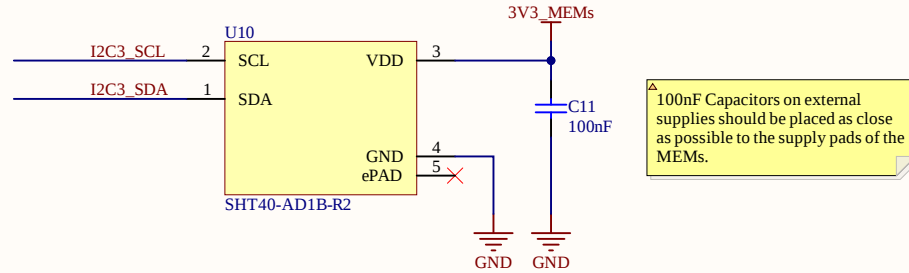
Check mechanical constraints when routing



Specific constraints for SWDIO and SWCLK (must have same length and must be Shielded).

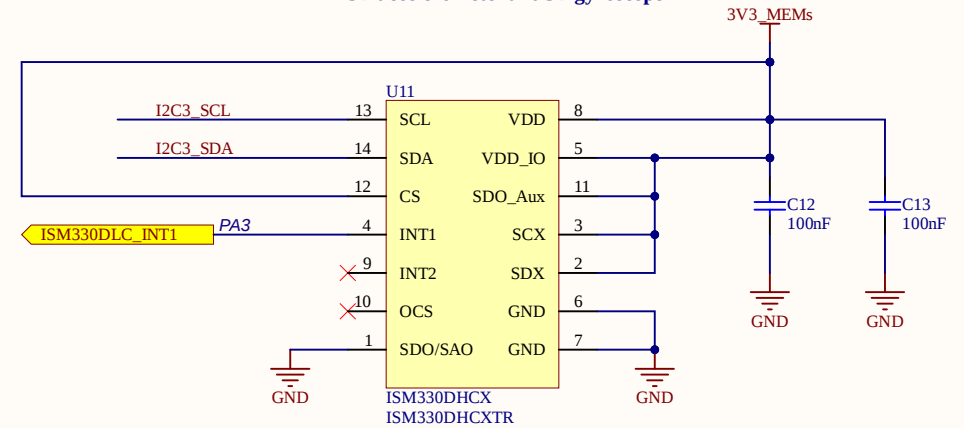


Relative humidity and temperature sensor



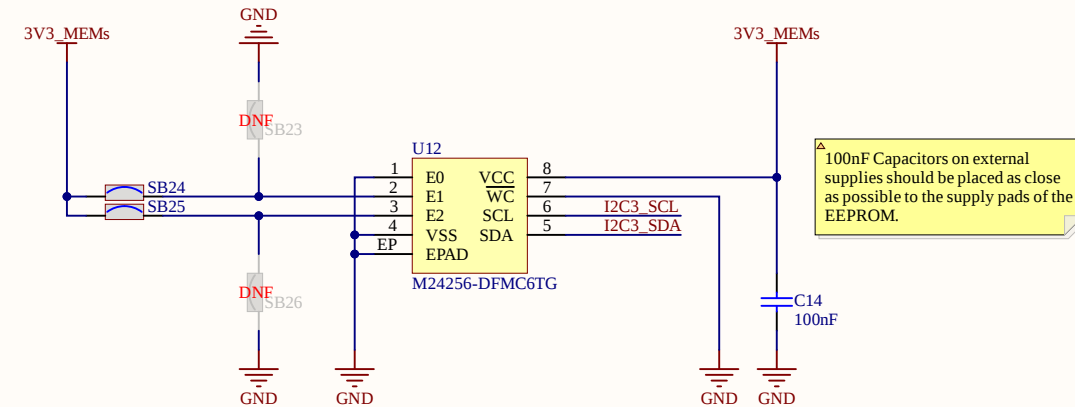
Read = 10001001 (89h)
Write = 10001000 (88h)

3D accelerometer and 3D gyroscope

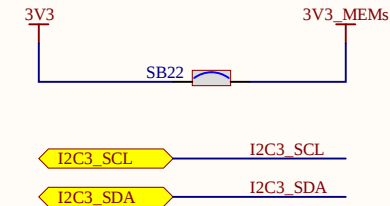


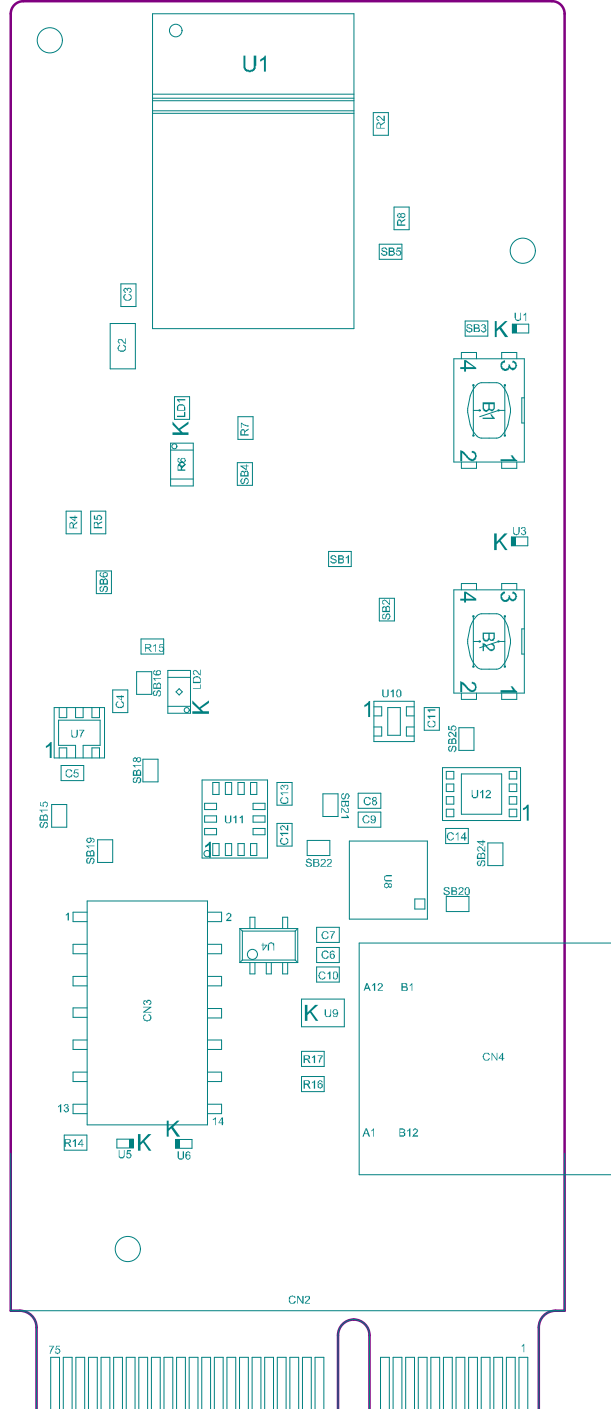
Read = 11010101 (D5h)
Write = 11010100 (D4h)

I2C Bus EEPROM

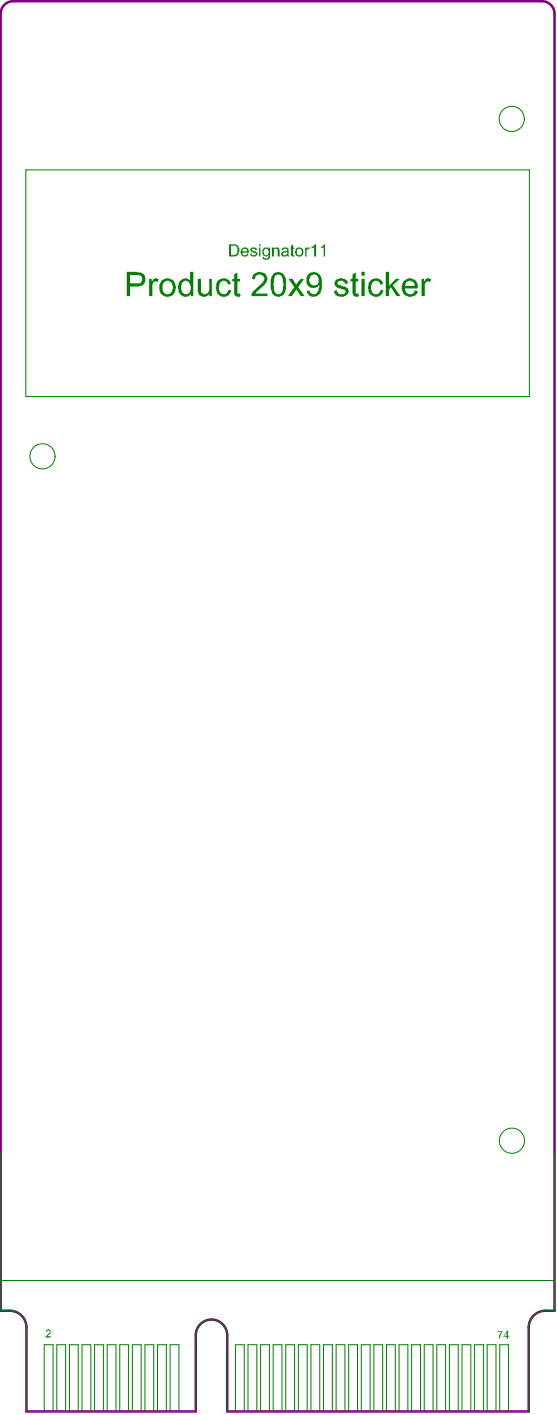


I2C EEPROM
ID page
Read = 10101101 (ADh)
Read = 10111101 (BDh)
Write = 10101100 (ACH)
Write = 10111100 (BCh)





Project: STM32WBA5M M2 expansion board		
Layer: M14-Top Assembly	Gerber: .GM14	
Variant: WBA5M	Ref: MB2131	
Date: 04 Nov. 2024	Rev: B	



Project: STM32WBA5M M2 expansion board

Layer: M15-Bottom Assembly

Variant: WBA5M

Date: 04 Nov. 2024

Gerber:.GM15

Ref: MB2131

Rev: B



