

STM32H7xxI-Eval

MB1246

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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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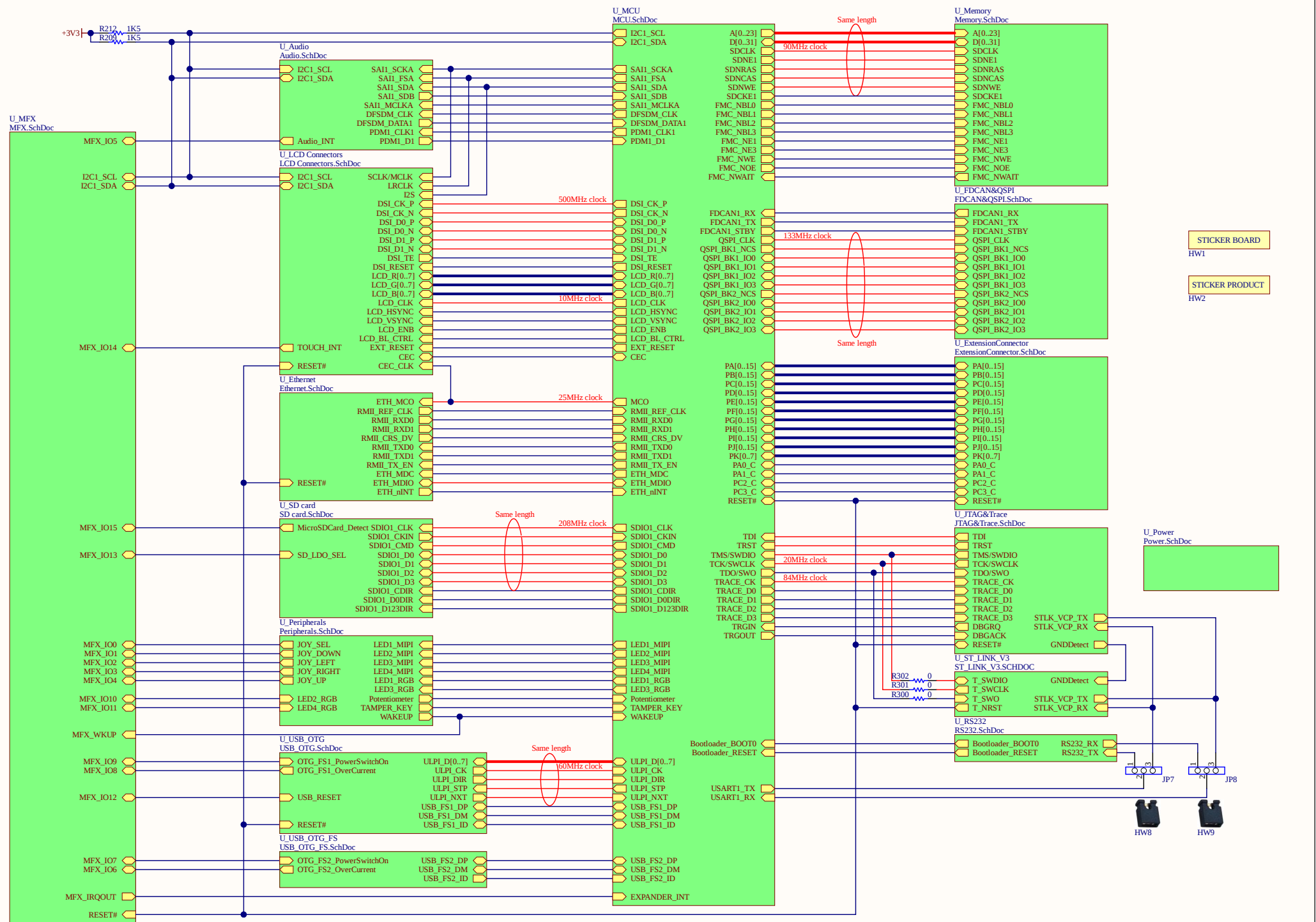
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U_Top
Top.SchDoc

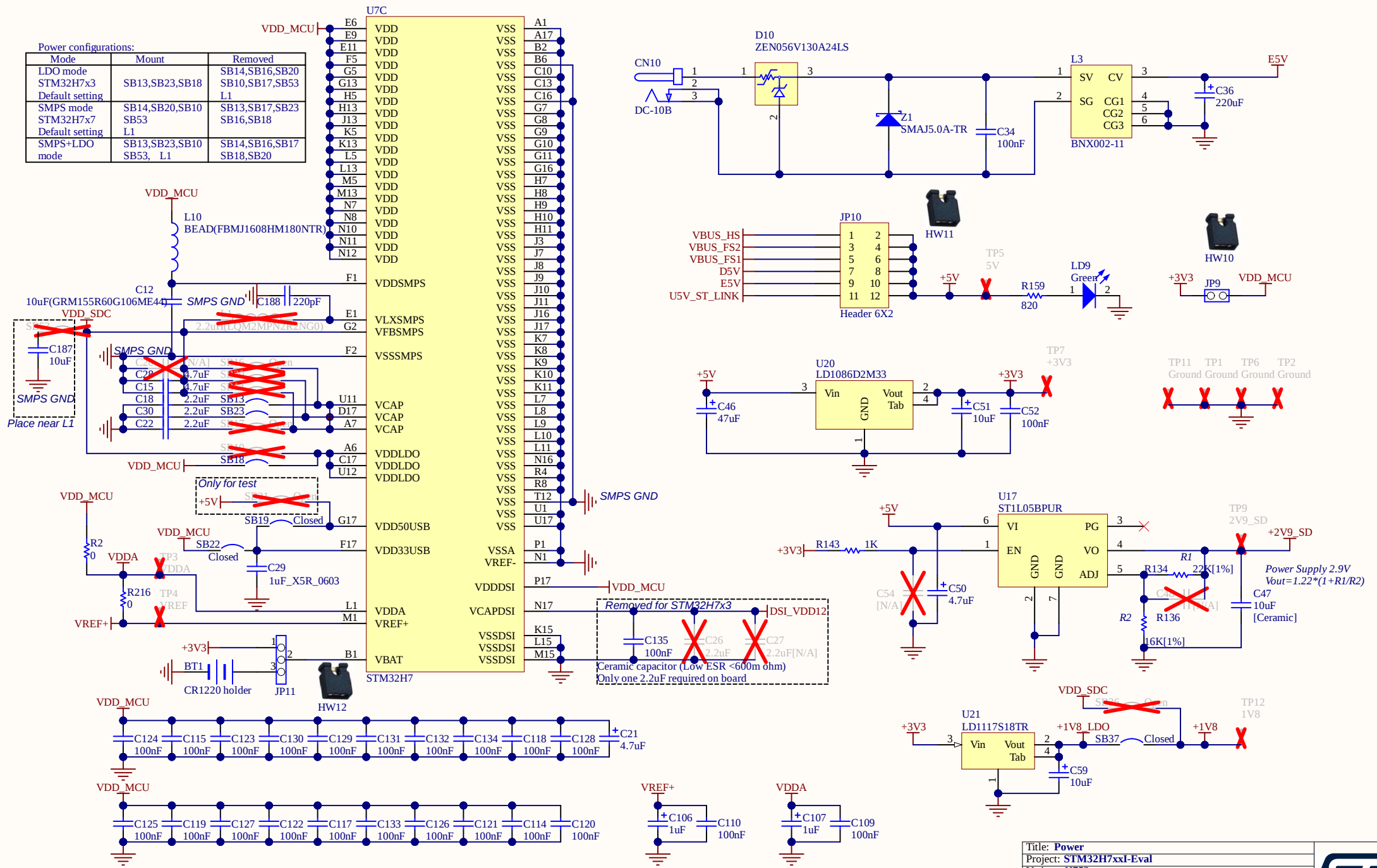
Title: Project overview		
Project: STM32H7xxI-Eval		
Variant: H753		
Revision: E -03		Reference: MB1246
Size: A4	Date: 23/05/2022	Sheet: 1 of 18

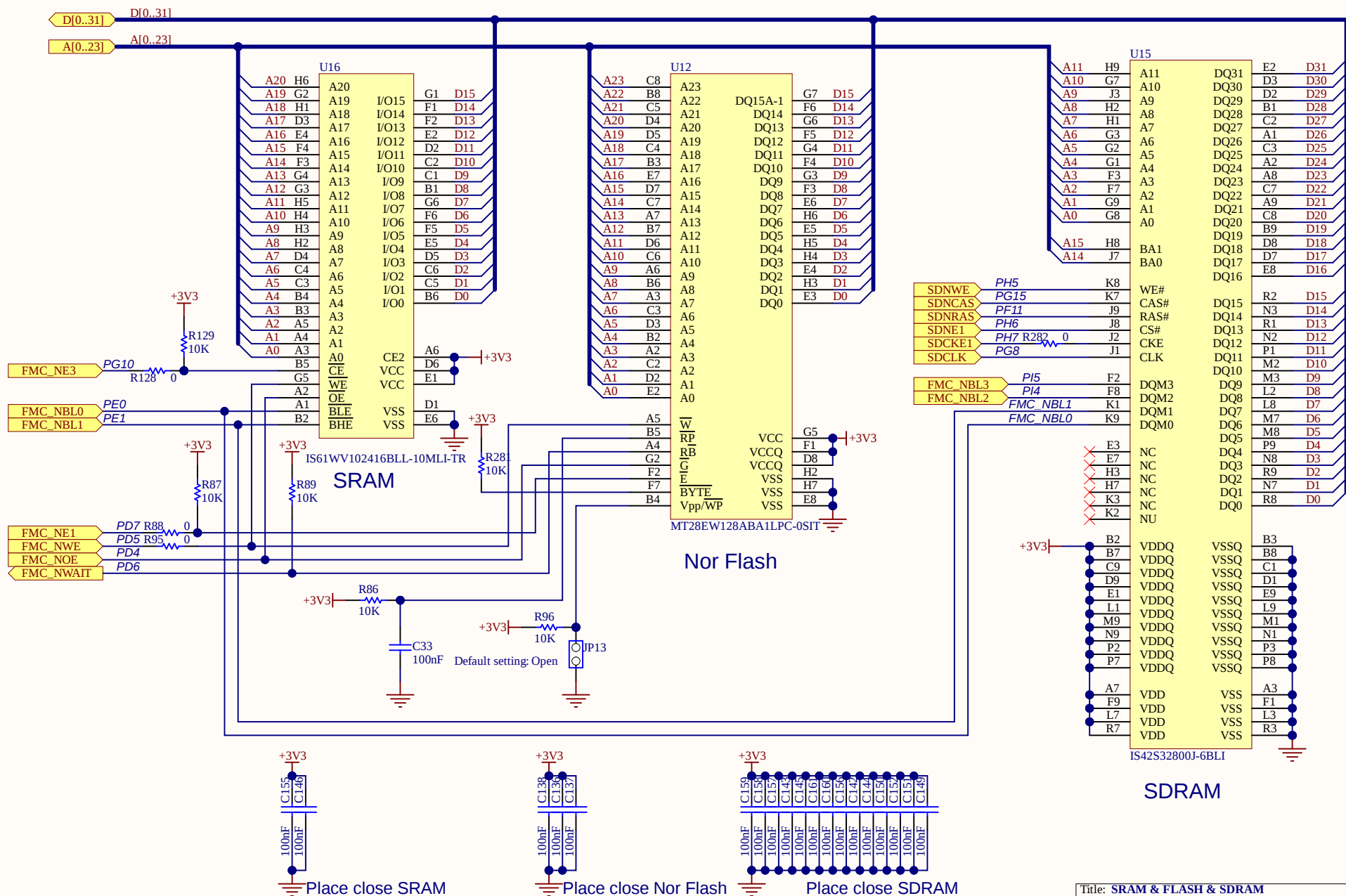




Power configurations:

Mode	Mount	Removed
LDO mode		SB14,SB16,SB20
STM32H7x3	SB13,SB23,SB18	SB10,SB17,SB53
Default setting	L1	
SMPS mode	SB14,SB20,SB10	SB13,SB17,SB23
STM32H7x7	SB53	SB16,SB18
Default setting	L1	
SMPS+LDO mode	SB13,SB23,SB10	SB14,SB16,SB17
mode	SB53, L1	SB18,SB20





Place close SRAM

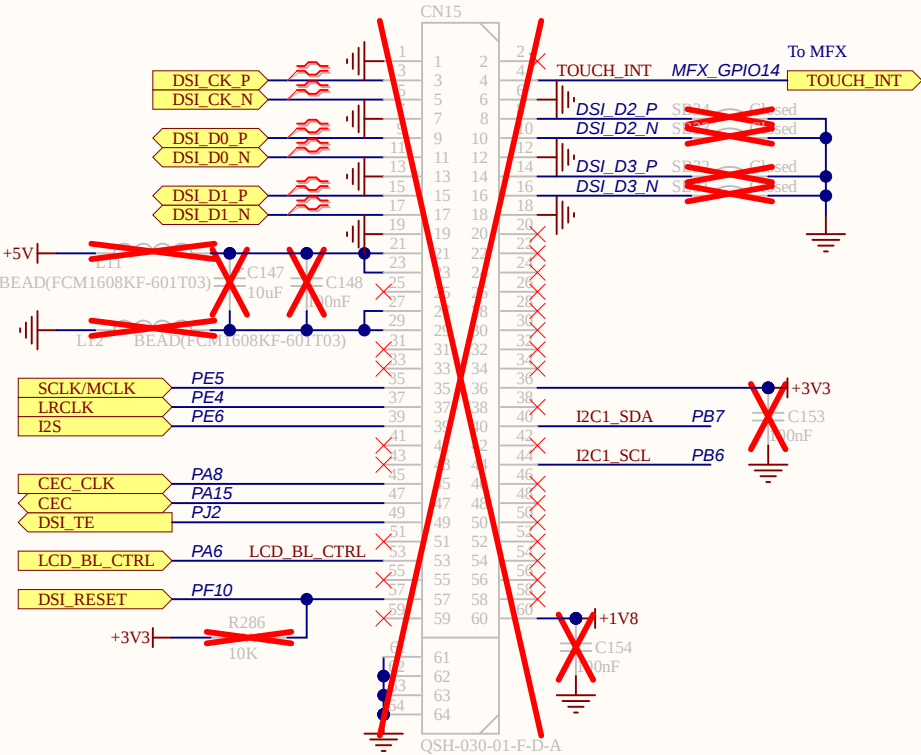
Place close Nor Flash

Place close SDRAM

Title: SRAM & FLASH & SDRAM			
Project: STM32H7xxI-Eval			
Variant: H753			
Revision: E-03		Reference: MB1246	
Size: A4	Date: 23/05/2022	Sheet: 5 of 18	

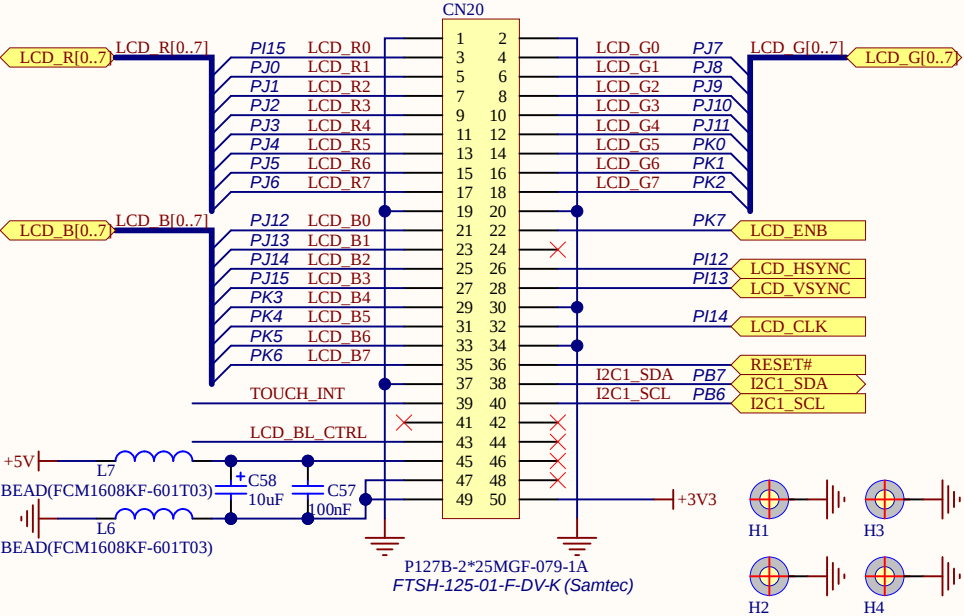


DSI LCD

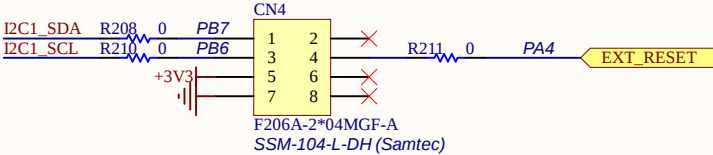


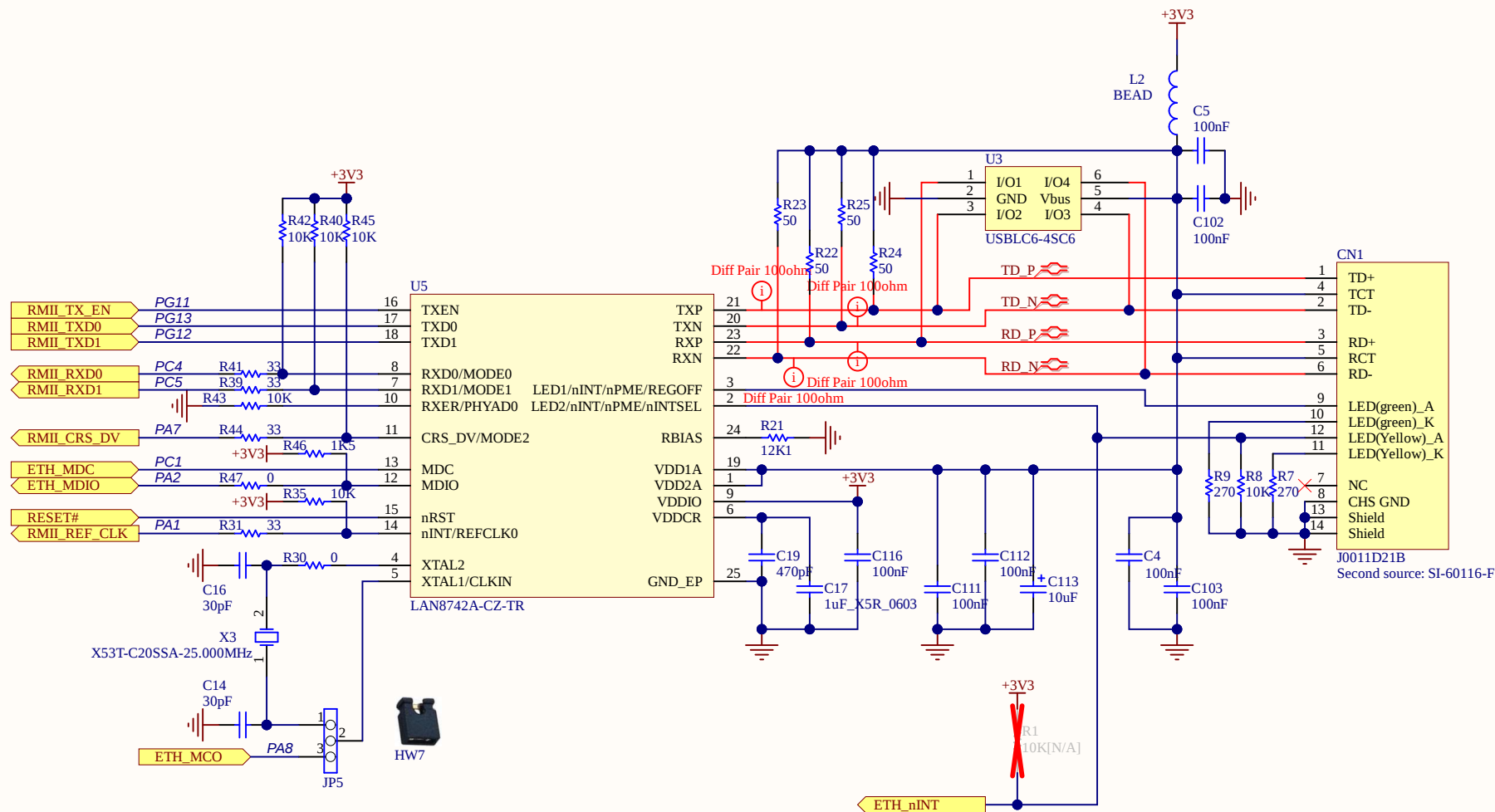
Removed for STM32H7x3

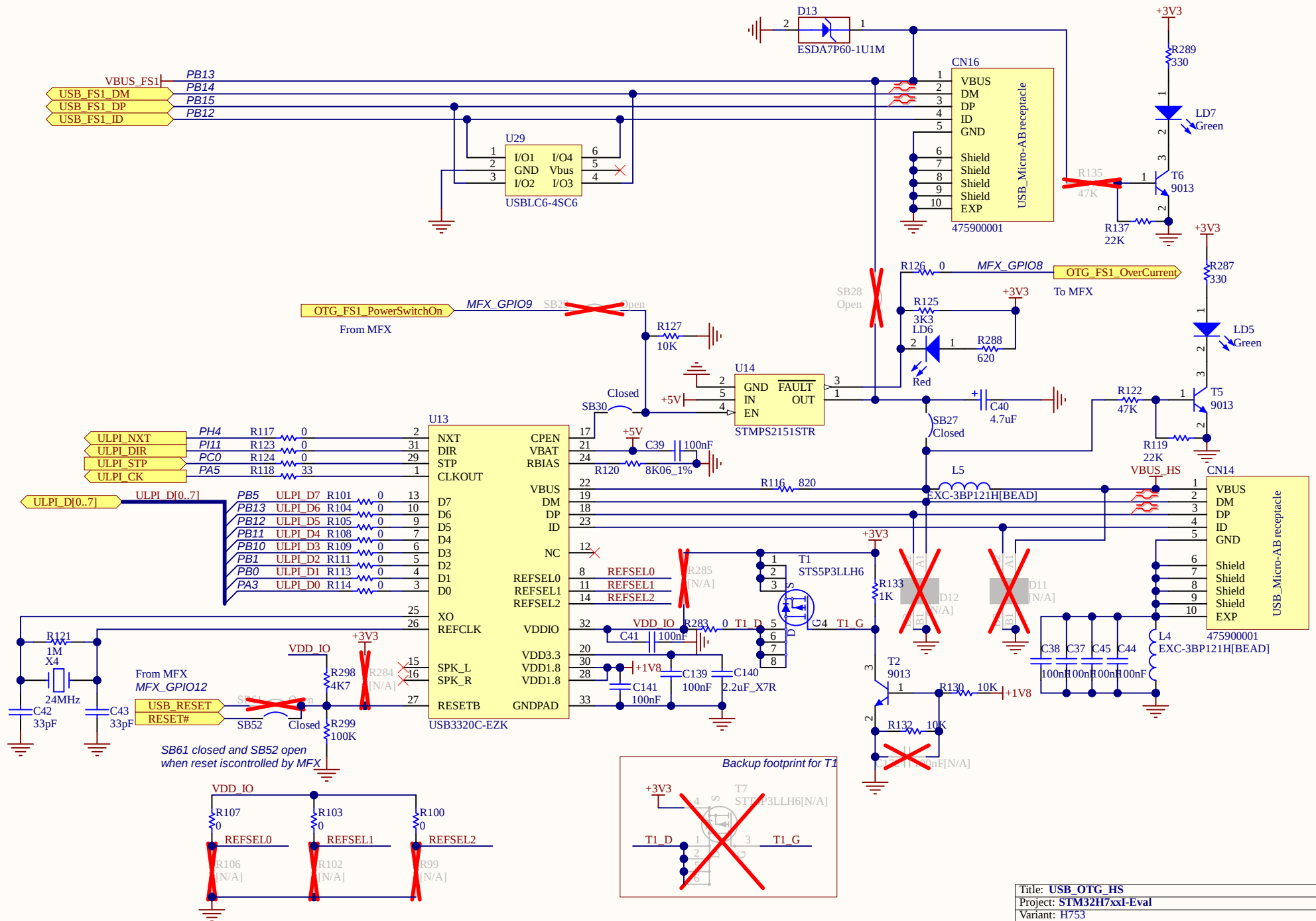
RGB LCD

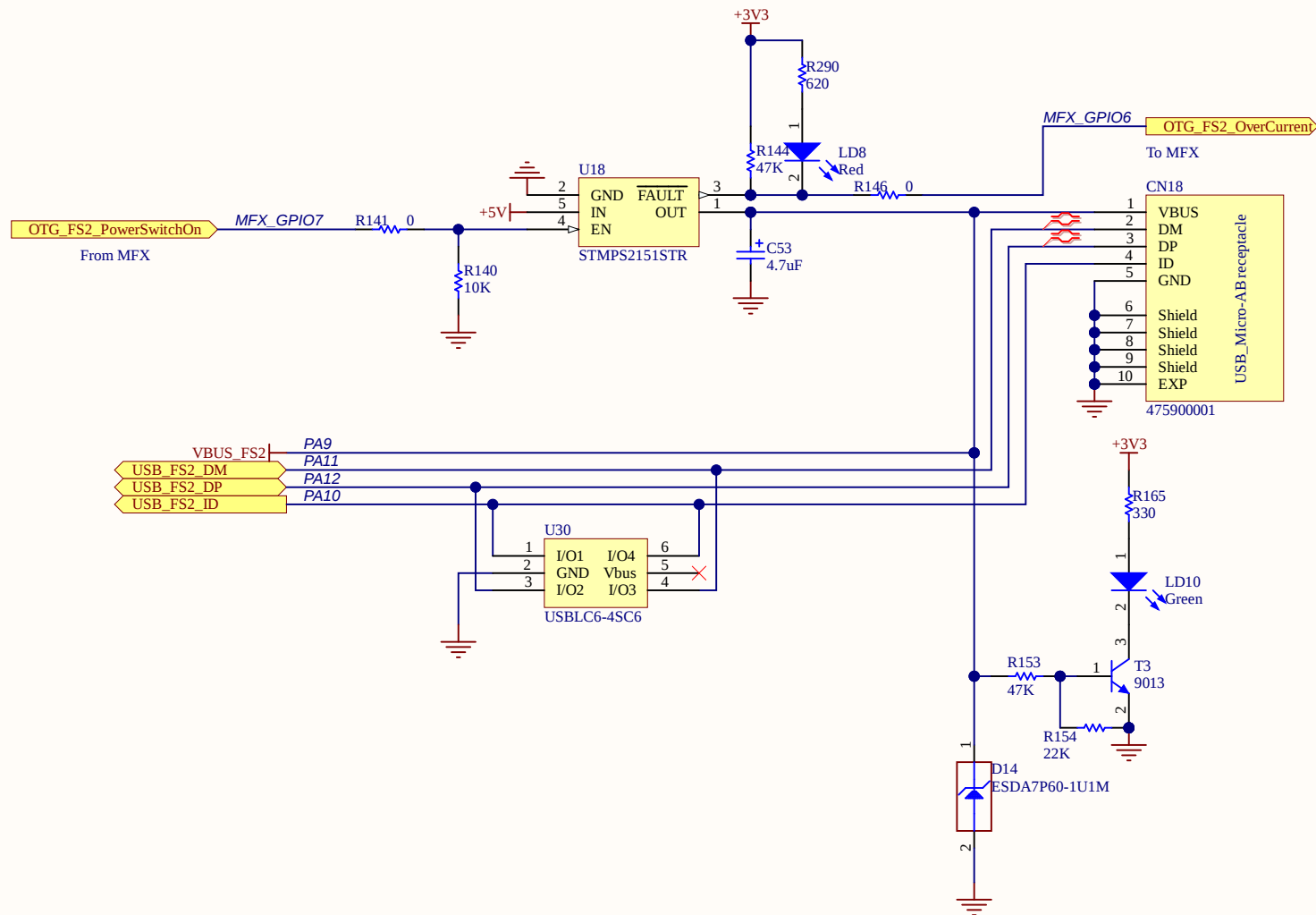


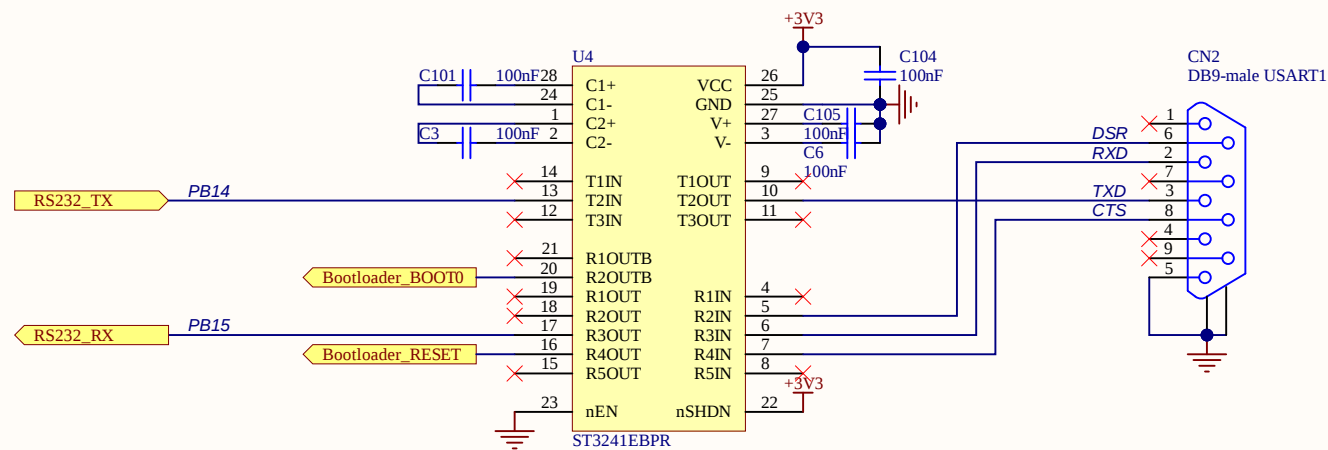
I2C Connector





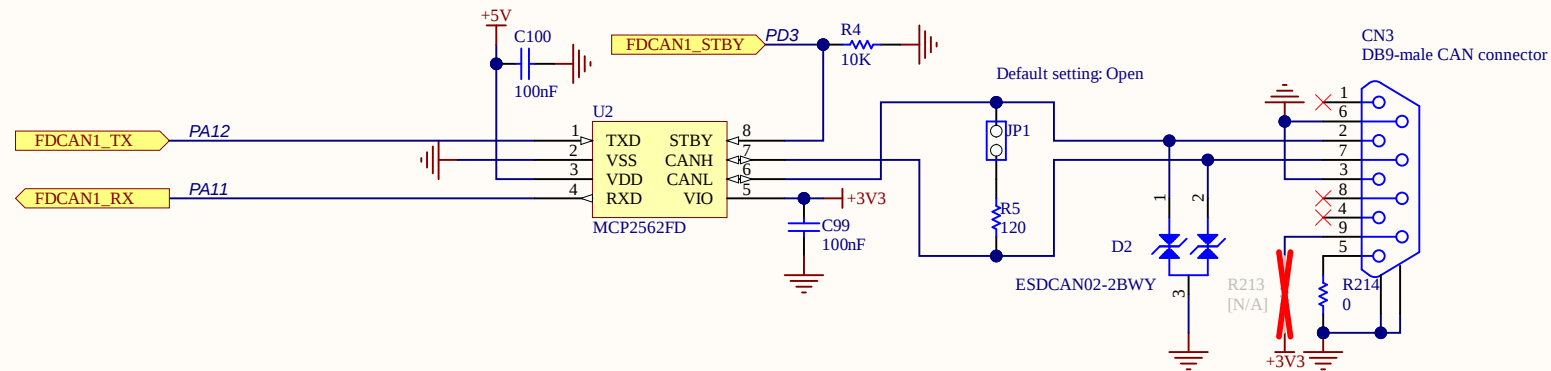




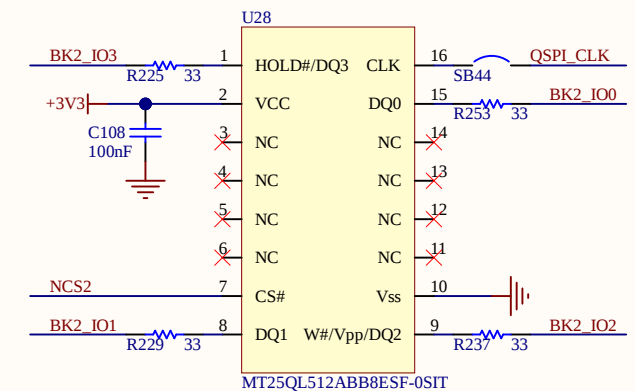
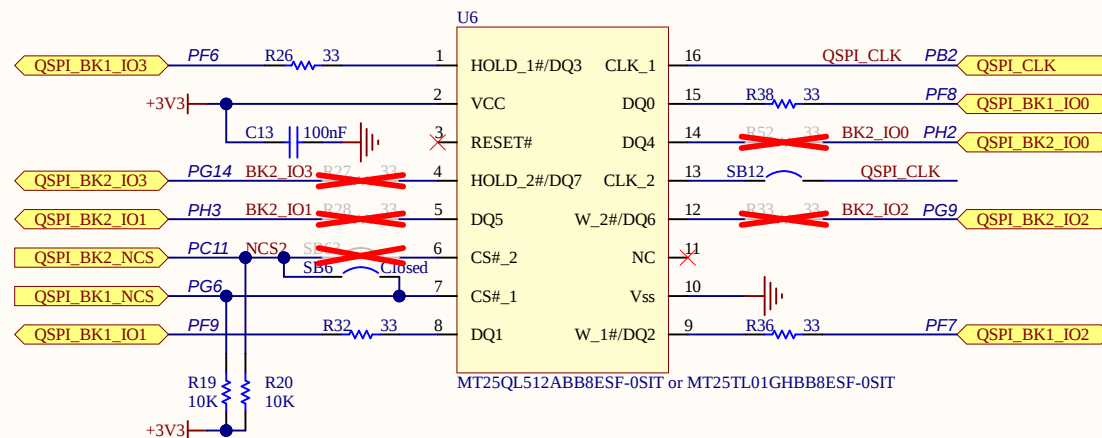


RS232

FDCAN



Twin Quad SPI Flash



Removed when using One Twin Quad SPI Flash

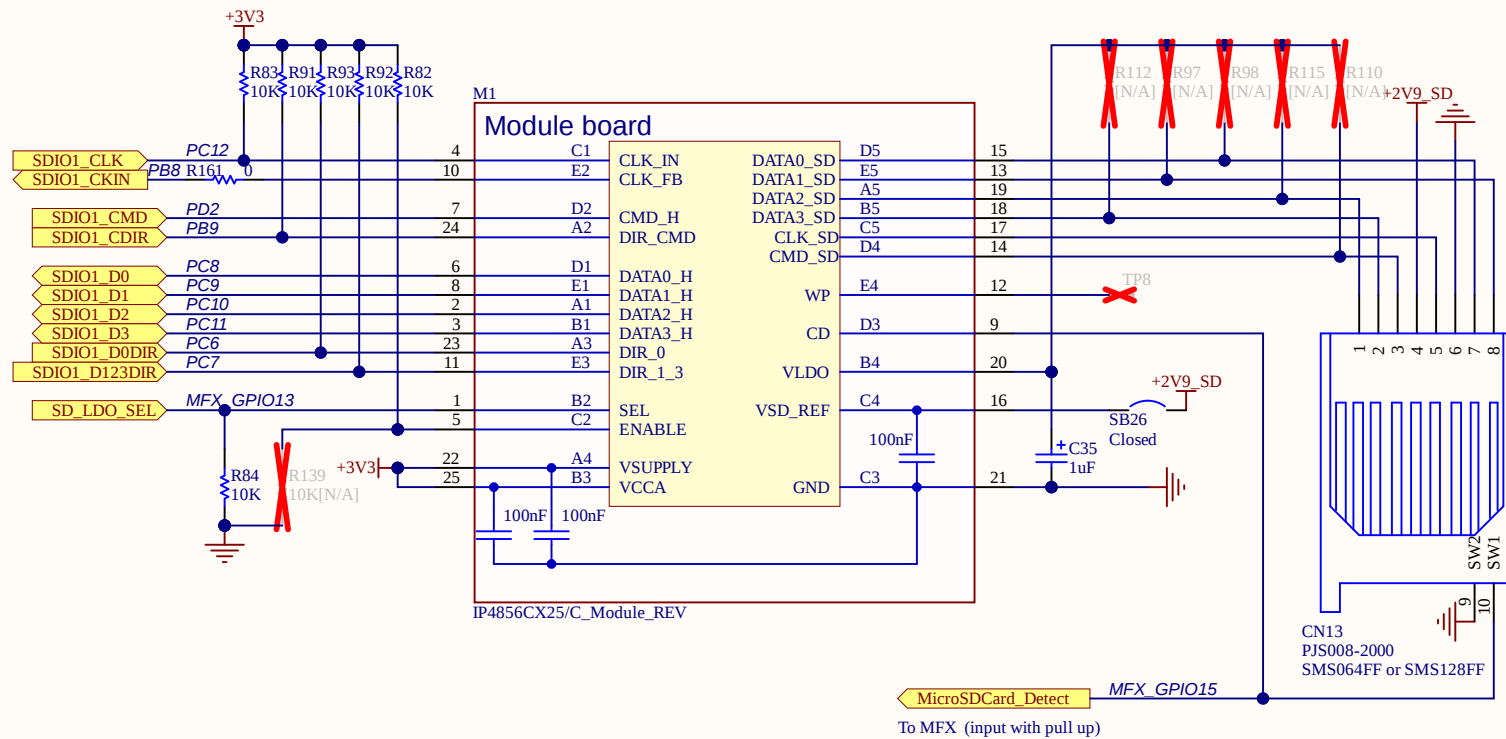
Twin Quad SPI Flash configurations:

Two Quad SPI Flash	U6:MT25QL512ABB8ESF-0SIT	U28:MT25QL512ABB8ESF-0SIT	R225/R229/R237/R253, SB44, C108 ON	R27/R28/R33/R52, SB12/SB63 OFF
One Twin Quad SPI Flash	U6:MT25TL01GHBB8ESF-0SIT	U28:NA	R27/R28/R33/R52, SB12/SB63 ON	R225/R229/R237/R253, SB44, C108 OFF

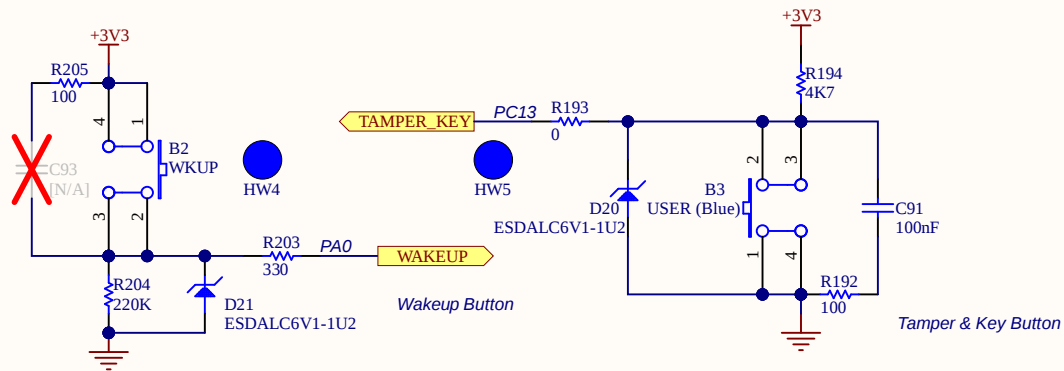
Title: FDCAN & QSPI		
Project: STM32H7xxI-Eval		
Variant: H753		
Revision: E-03		Reference: MB1246
Size: A4	Date: 23/05/2022	Sheet: 12 of 18



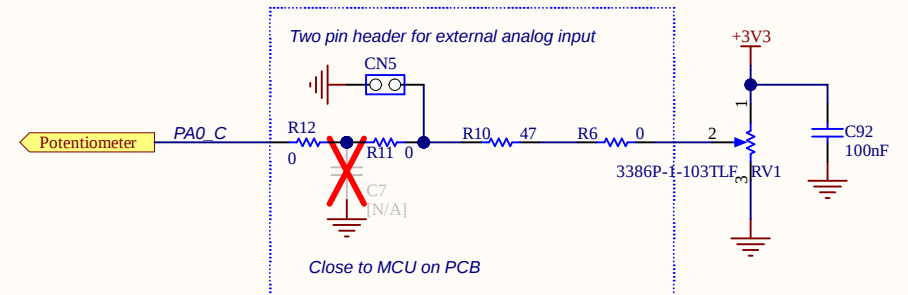
MICRO SD 3.0 Card



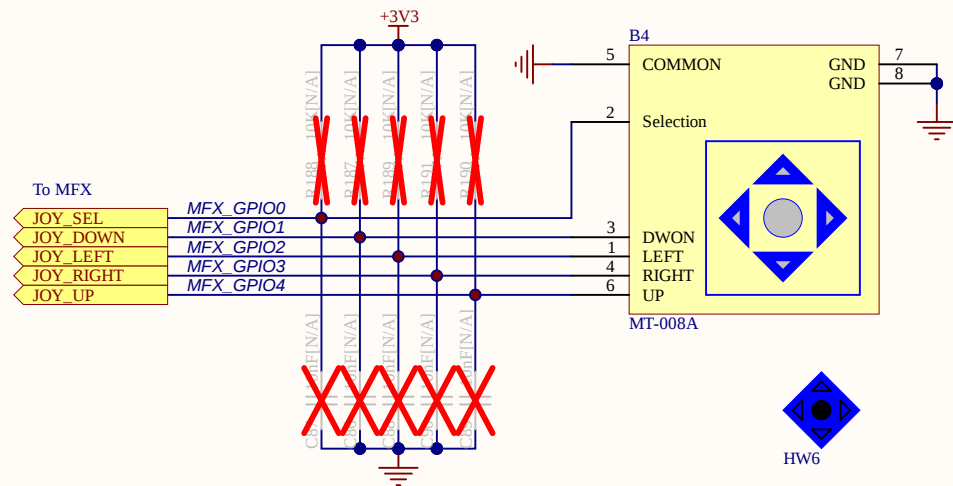
Buttons



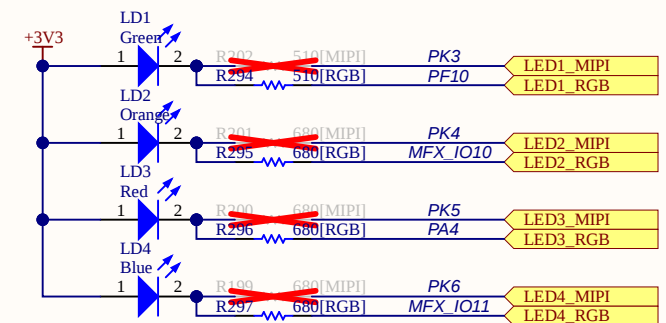
Potentiometer

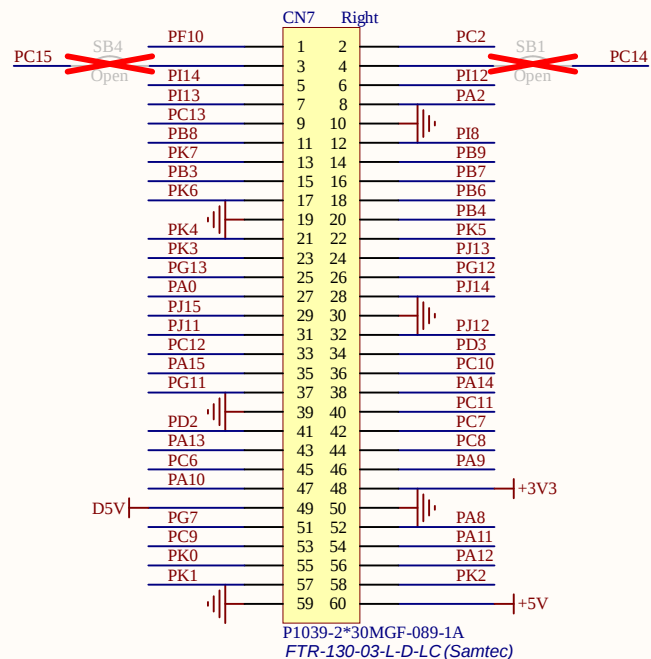
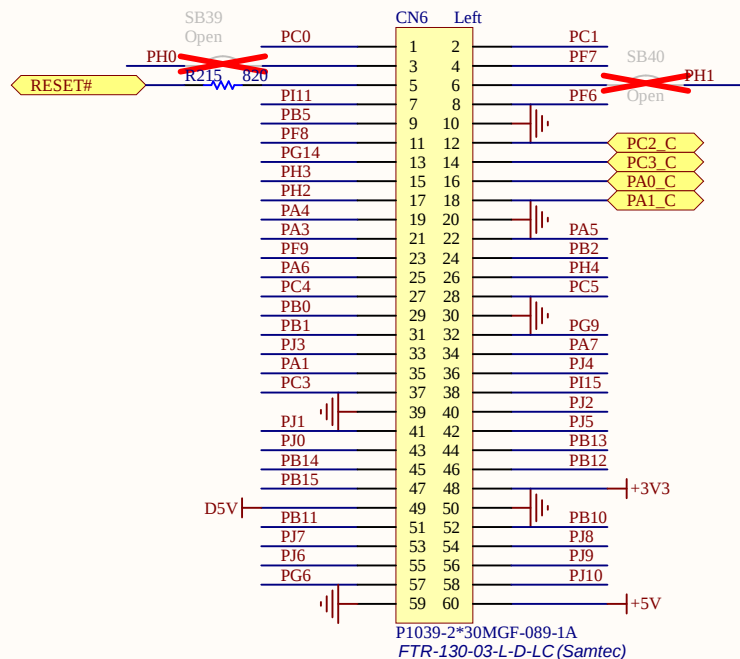


Joystick

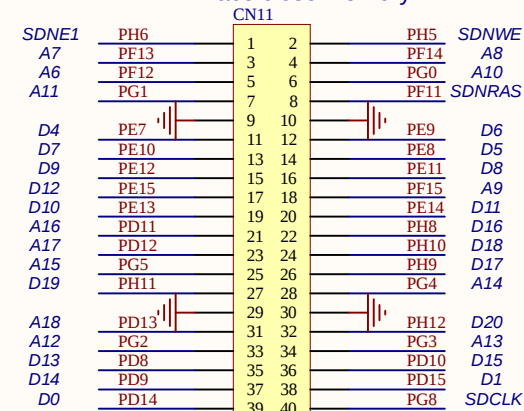


LEDs



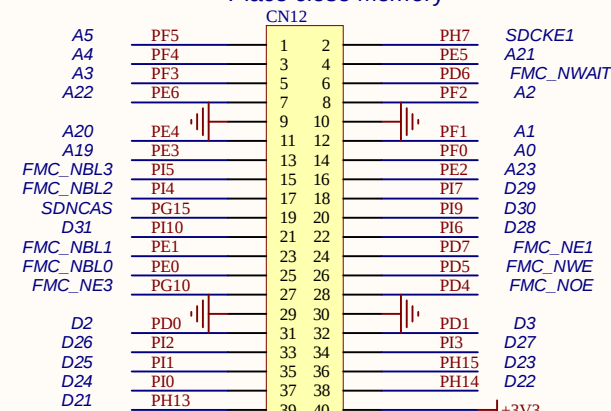


Place close Memory



P1039-2*20MGF-089-1A
FTR-120-03-L-D-LC (Samtec)

Place close Memory



P1039-2*20MGF-089-1A
FTR-120-03-L-D-LC (Samtec)

