

STM32H7xxx-Disco

MB1381

Revision B-02: correct pin name on CN6 on Aruino connector sheet.

Table of contents

Sheet 1: Project overview (this page)

Sheet 2: TOP

Sheet 3: STM32 microcontroller IOs

Sheet 4: STM32 microcontroller Power

Sheet 5: Ethernet

Sheet 6: PoE

Sheet 7: USB OTG FS

Sheet 8: FDCAN

Sheet 9: SDRAM

Sheet 10: eMMC

Sheet 11: QSPI

Sheet 12: LCD4.3

Sheet 13: Audio

Sheet 14: STMod+

Sheet 15: TAG

Sheet 16: Arduino Connector

Sheet 17: ST-LINK/V3E-SWD Module

Sheet 18: ST-LINK/V3E Power

Sheet 19: HW Mechanical parts

Top
TOP.SchDoc

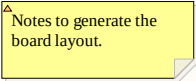


Legend

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

Text to be added to silkscreen.

Warning text.



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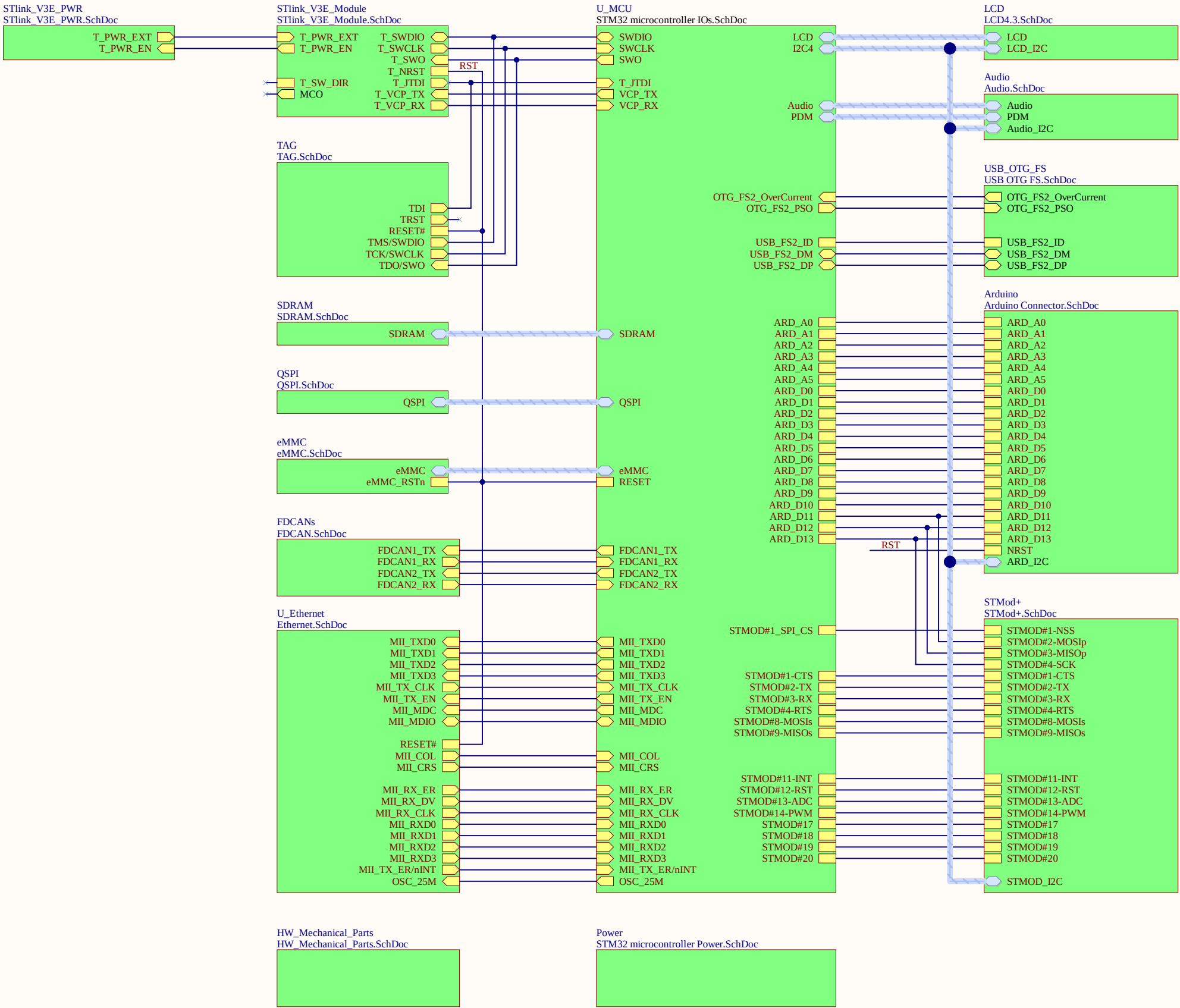
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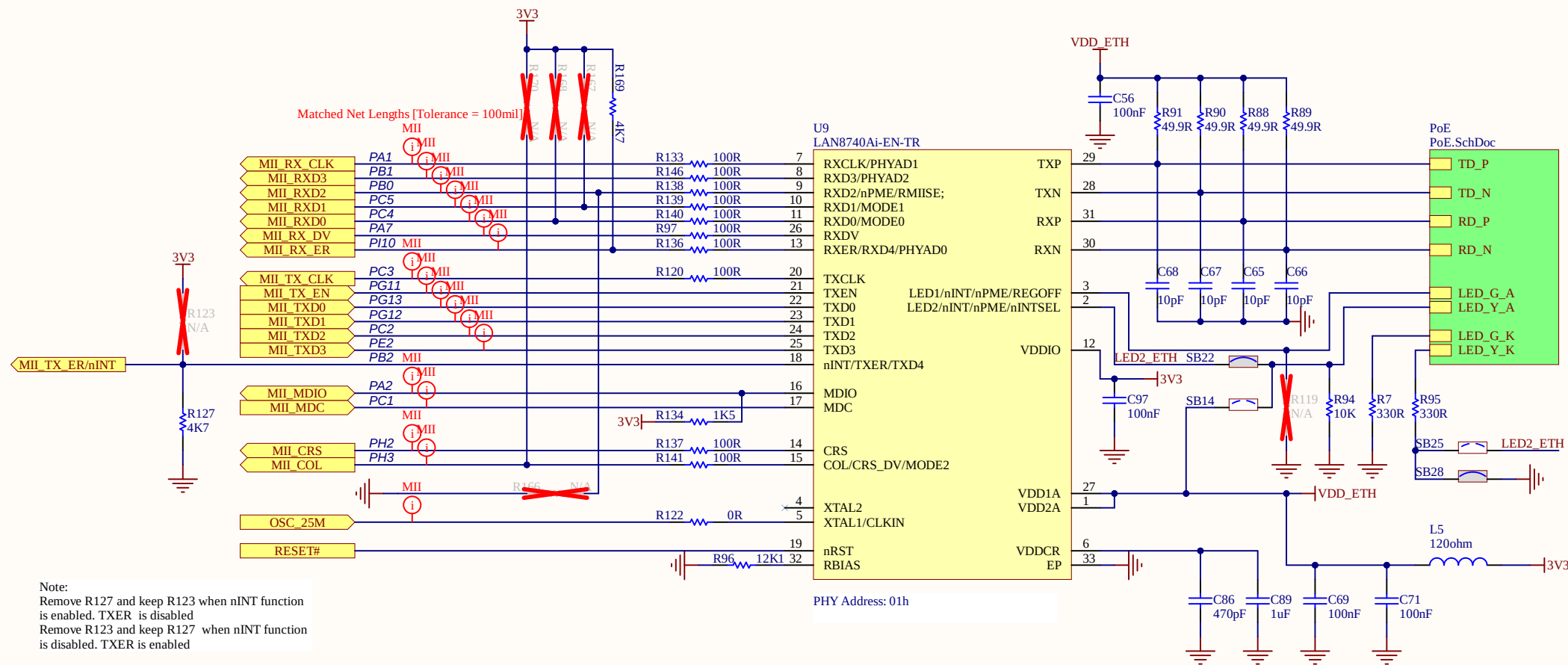
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Title: Project overview		
Project: STM32H7xxx-Disco		
Variant: H745XI		
Revision: B-02		Reference: MB1381
Size: A4	Date: 06-SEP-19	Sheet: 1 of 19

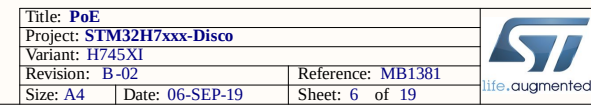


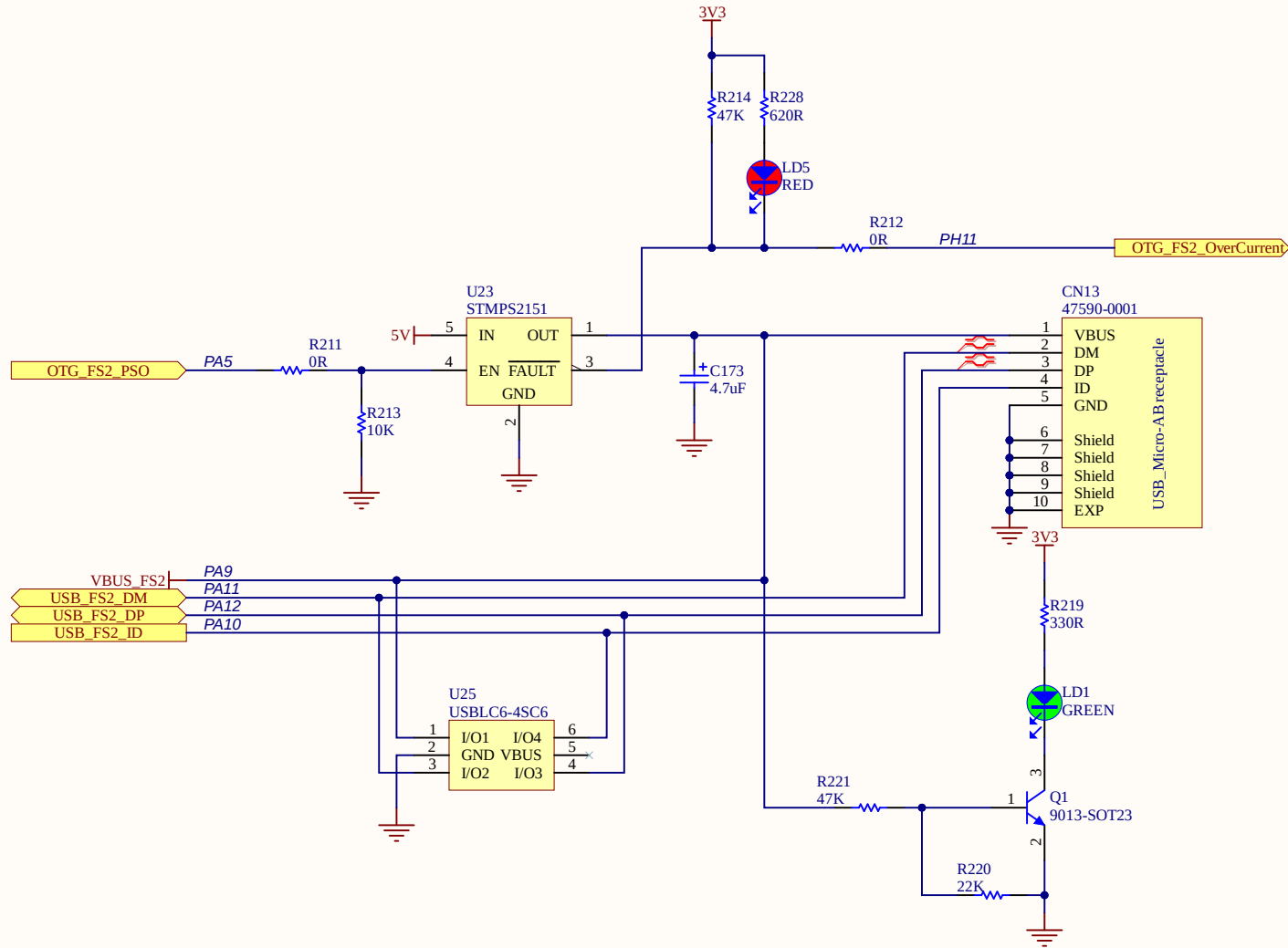


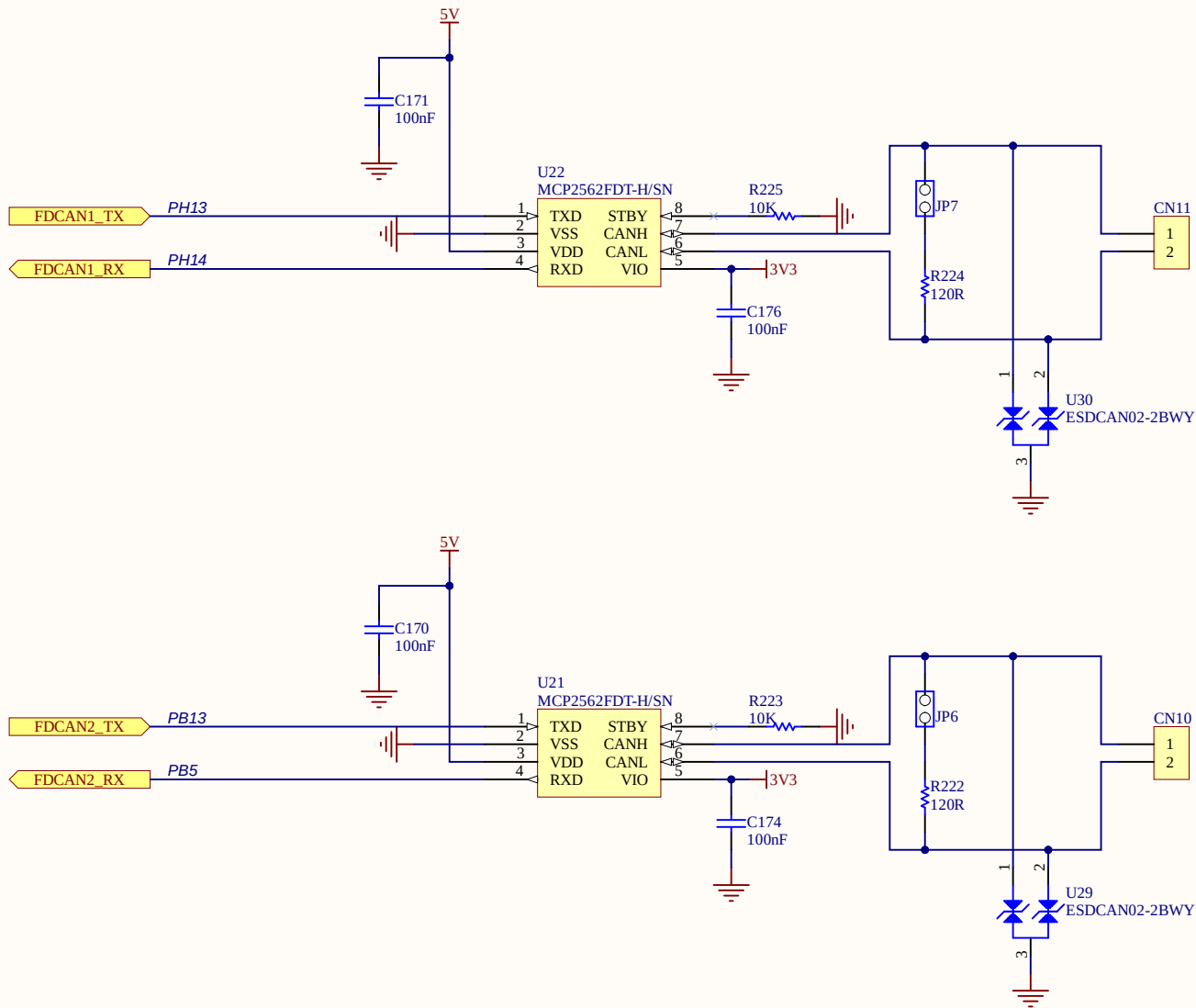


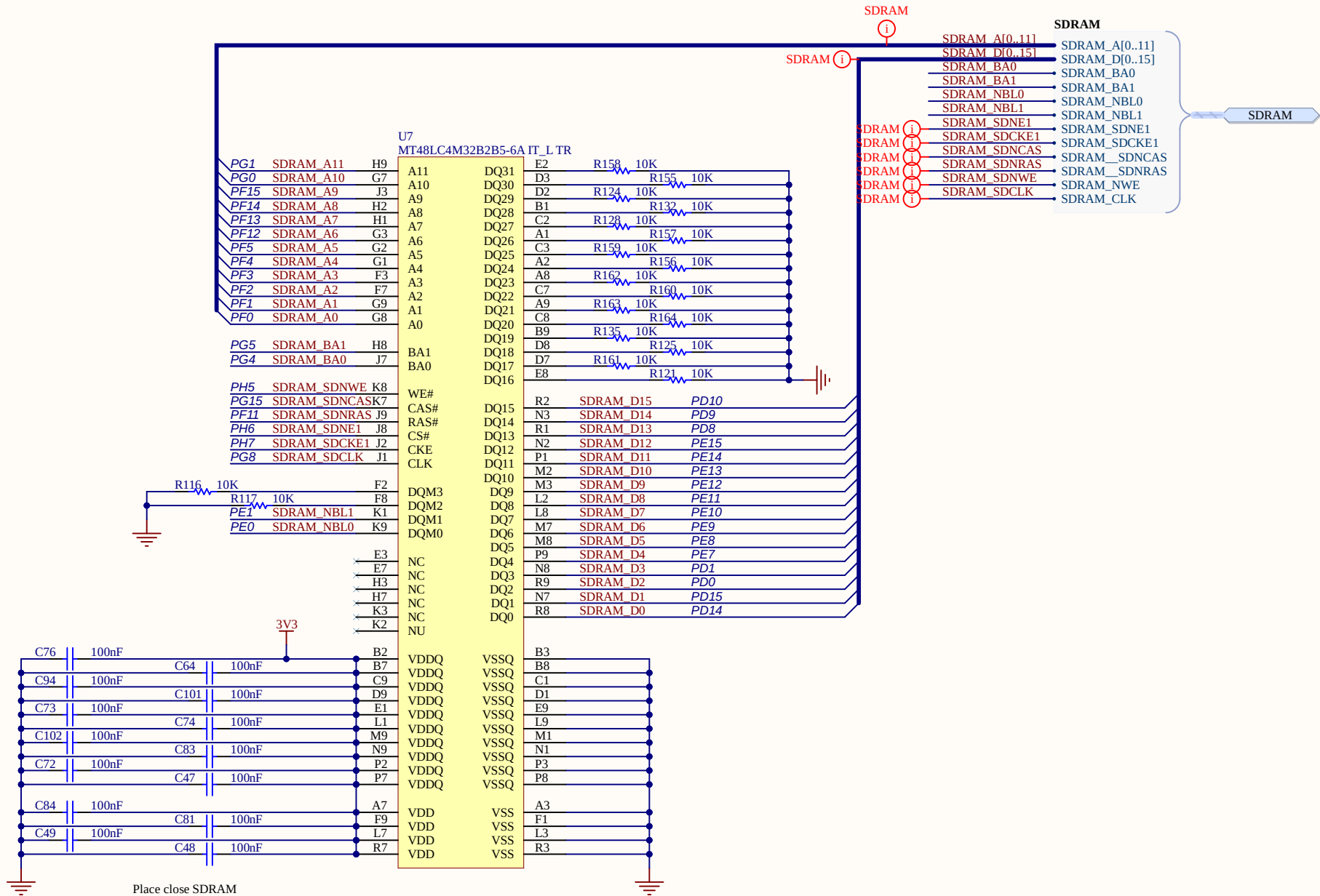
Note:
keep R94 to enable the TXER function, and close SB22,SB28,open SB14,SB25 for LED2
Remove R94 and SB14 to enable nINT function, and close SB14,SB25, open SB22,SB28 for LED2

CN1
KRJ-CB4.2GYZNL

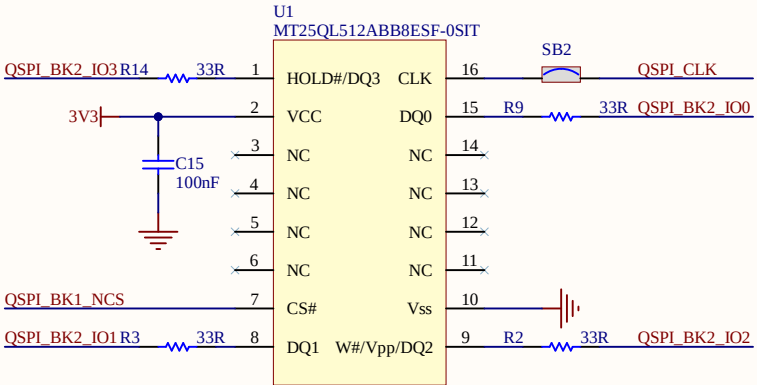
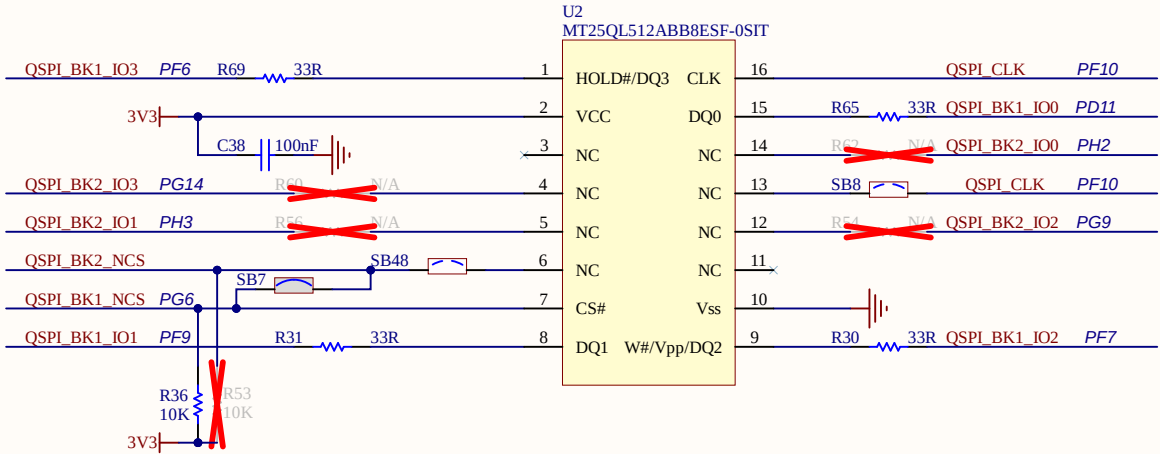
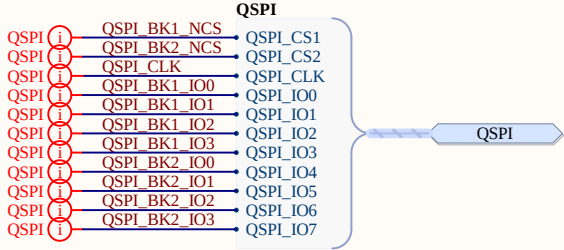








Matched Net Lengths [Tolerance = 100mil]



Twin Quad SPI Flash solutions:

One Twin Quad SPI Fllash	U2:MT25TL01GHBB8ESF-0SIT	U1:NA	R53/R62/R54/R56/R60/SB8/SB48 ON	R14/R3/R2/R9/SB2,/C15 OFF
Two Quad SPI Fllash	U1:MT25QL512ABB8ESF-0SIT	U2:MT25QL512ABB8ESF-0SIT	R14/R3/R2/R9/SB2,/C15 ON	R53/R62/R54/R56/R60/SB8/SB48 OFF

Matched Net Lengths [Tolerance = 100mil]

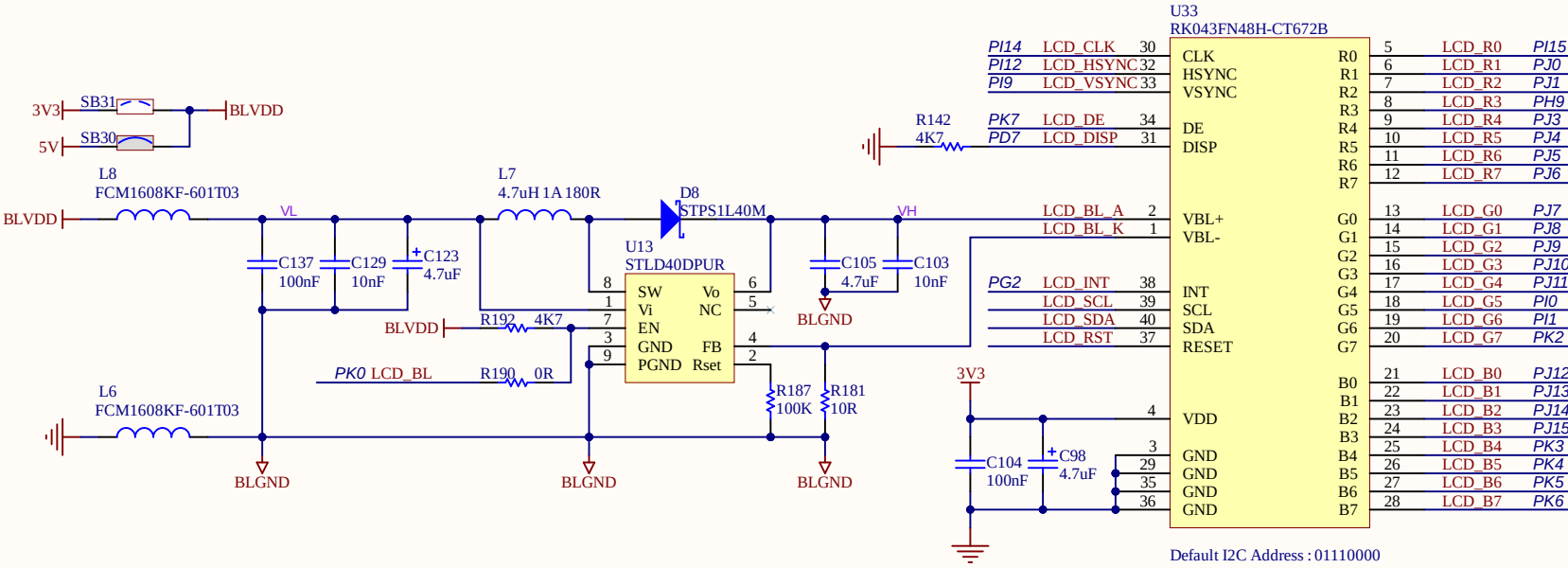
LCD	
LCD [1]	LCD_R[0..7]
LCD [1]	LCD_G[0..7]
LCD [1]	LCD_B[0..7]
LCD [1]	LCD_HSYNC
LCD [1]	LCD_VSYNC
LCD [1]	LCD_DE
LCD [1]	LCD_DISP
LCD [1]	LCD_CLK
LCD [1]	LCD_INT
LCD [1]	LCD_RST
LCD [1]	LCD_BL

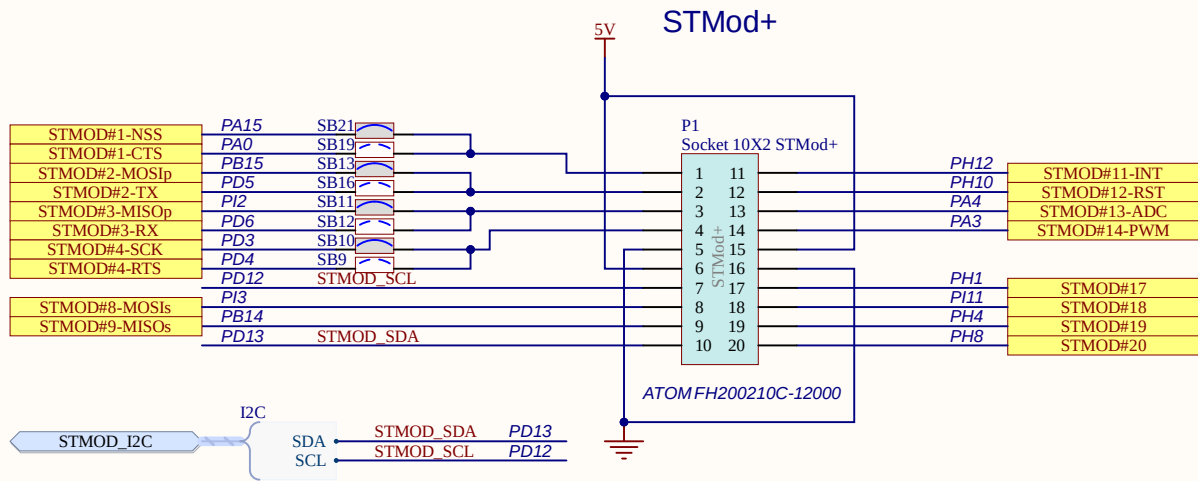
LCD

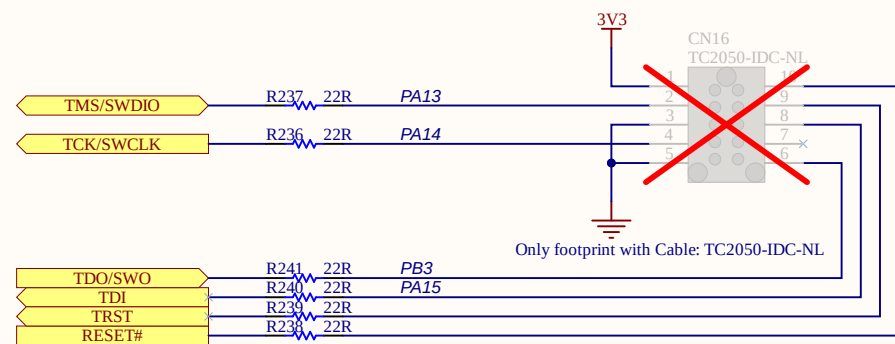
LCD_SCL	PD12	SCL
LCD_SDA	PD13	SDA

I2C

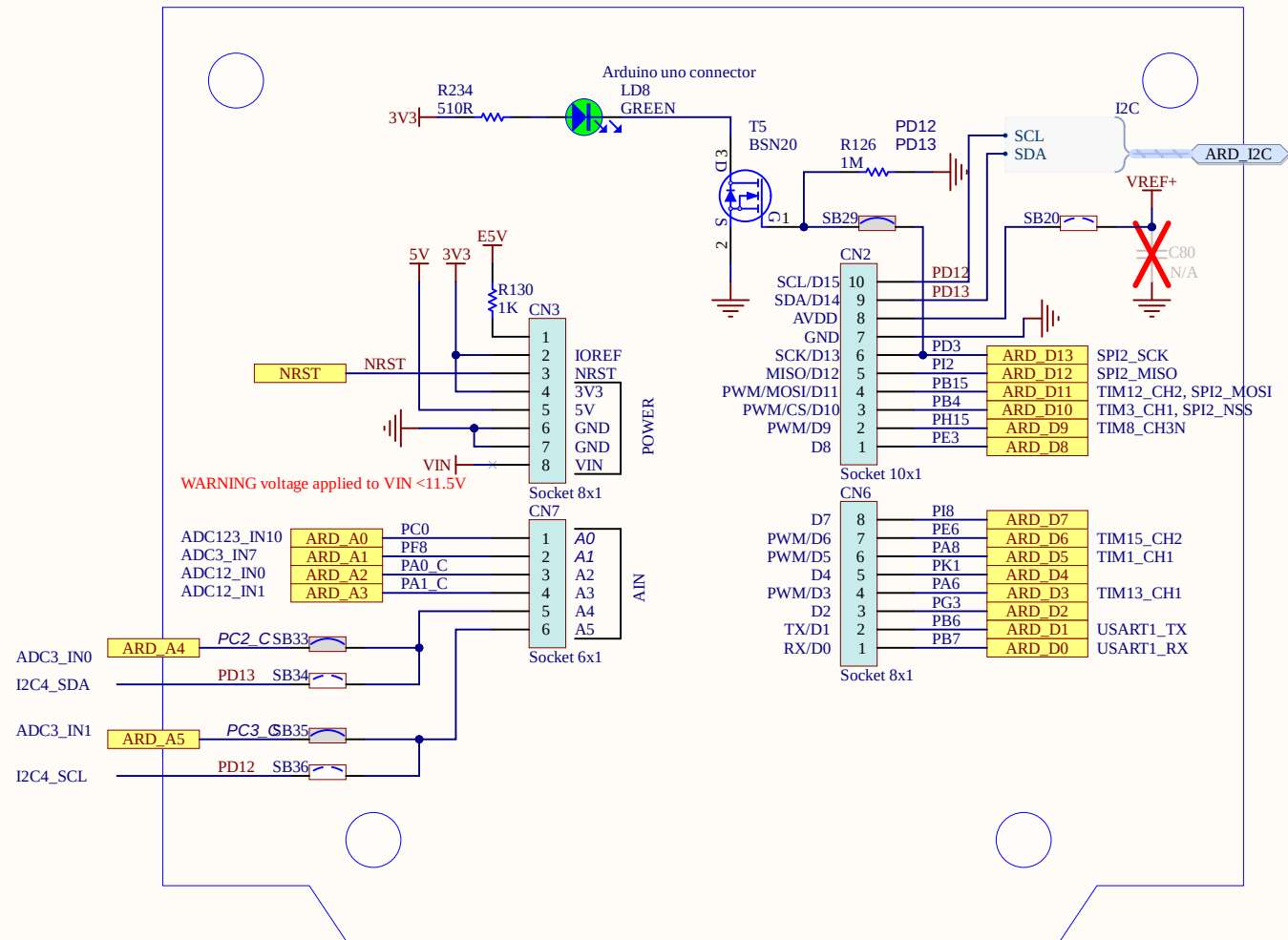
LCD_I2C

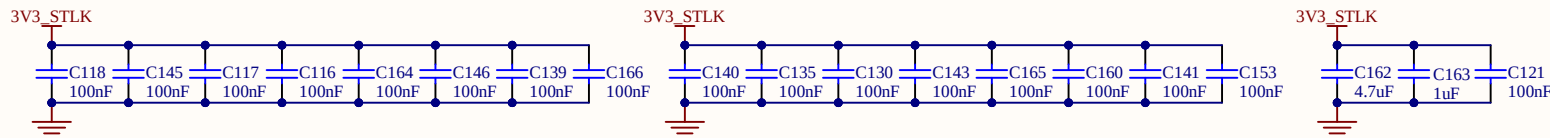
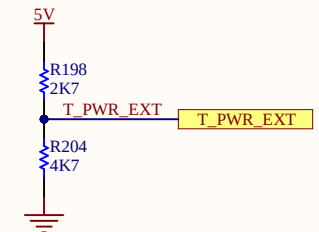
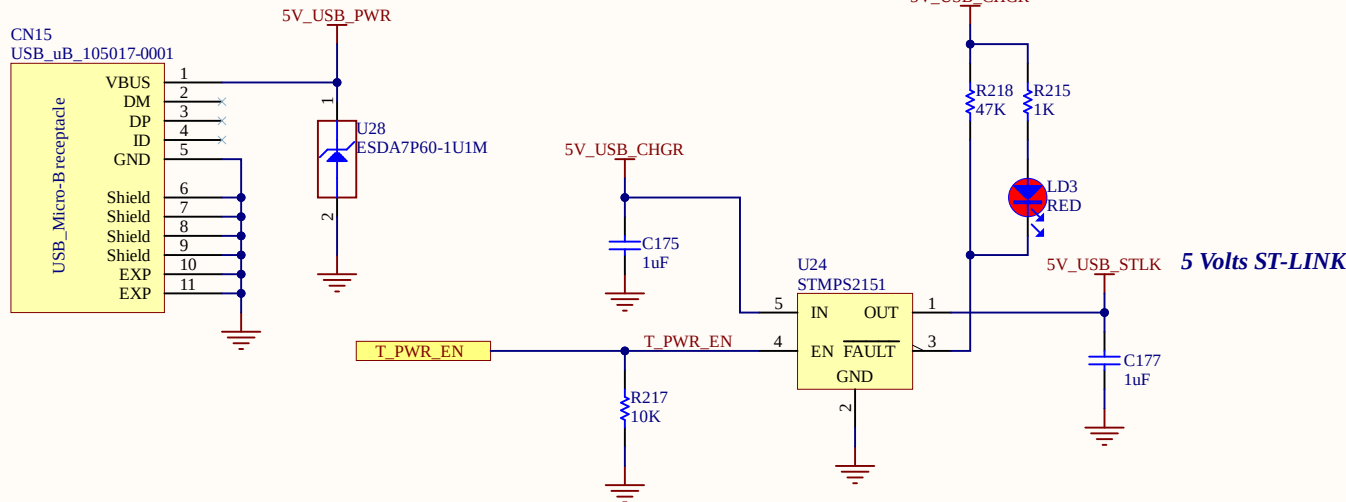
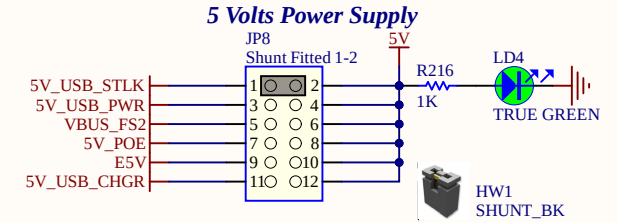
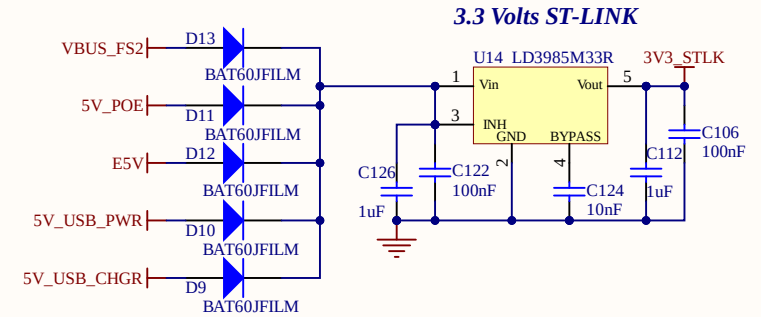
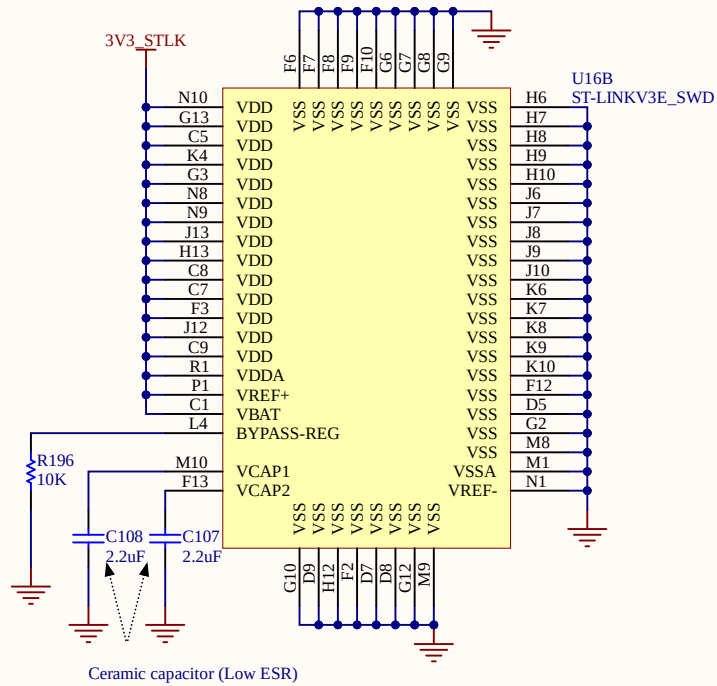






Place this connector close to STDC, they will share the same ESD components





HW Mechanical parts

HW6
MB1381A

PCB

HW7
MB1381A-01 XXXX

BOARD REF

HW8
STM32H745I-Disco

BOARD CPN

HW4

LOGO ST

HW5

LOGO CE

HW3

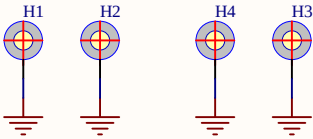
LOGO ESD

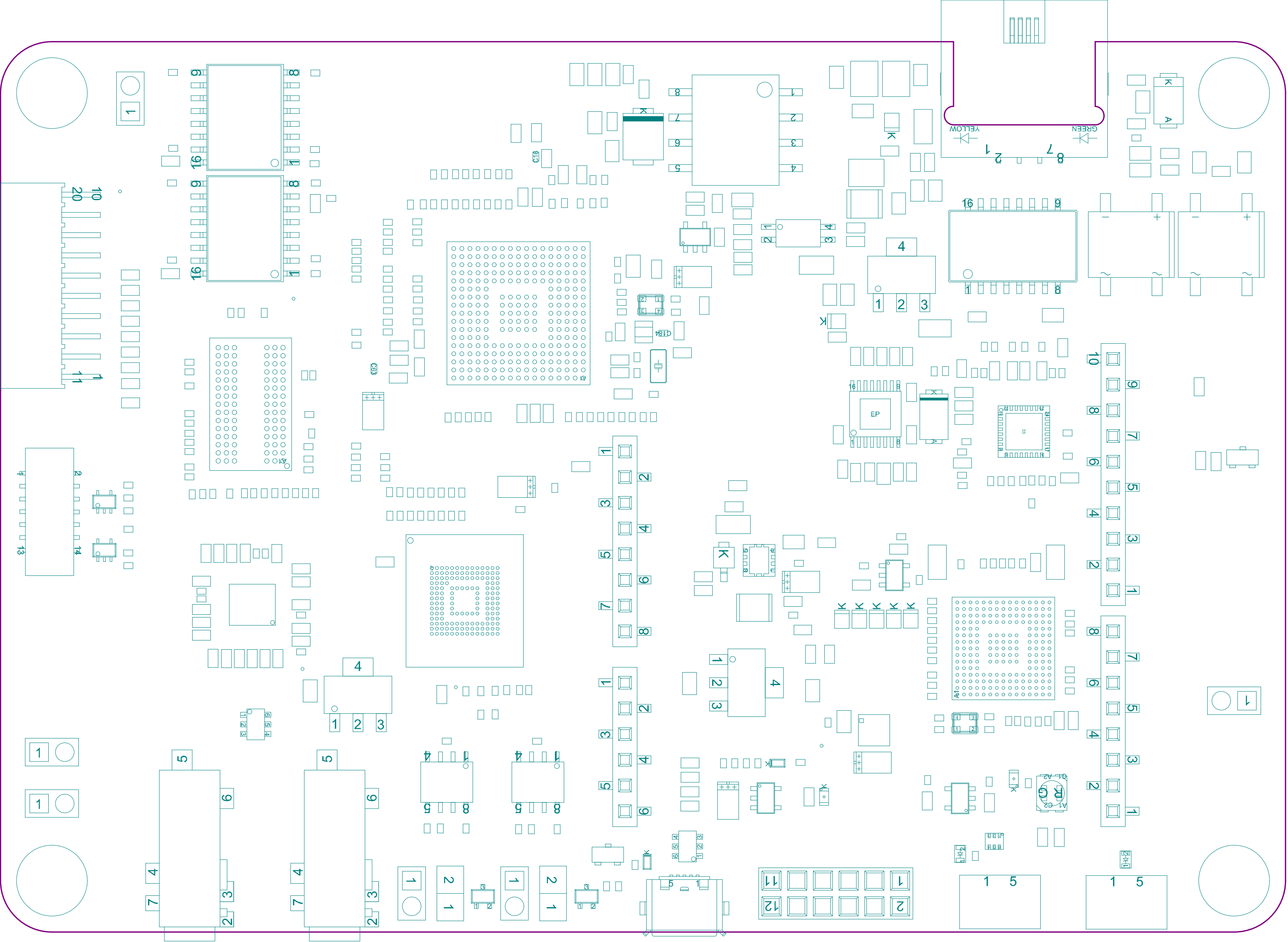
HW9

LOGO ROHS

HW10

LOGO STM32





2
LAYER 2 (GND PLANE)

