

STM32MP257-DK

MB1605

Table of contents

Sheet 1: Project overview (this page)

Sheet 2: TOP VIEW

Sheet 3: STM32MP257 I/Os

Sheet 4: Power PMIC

Sheet 5: STM32MP257 Power

Sheet 6: LPDDR4

Sheet 7: SDcard eMMC

Sheet 8: ETHERNET

Sheet 9: LVDS

Sheet 10: HDMI

Sheet 11: CAMERA

Sheet 12: WLAN_BLE

Sheet 13: USB3

Sheet 14: USB_HUB

Sheet 15: AUDIO

Sheet 16: EXPANSION CONNECTOR

Sheet 17: PERIPHERALS

Sheet 18: STlink V3EC

Legend

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

Text to be added to silkscreen.

Warning text.

Notes to generate the board layout.

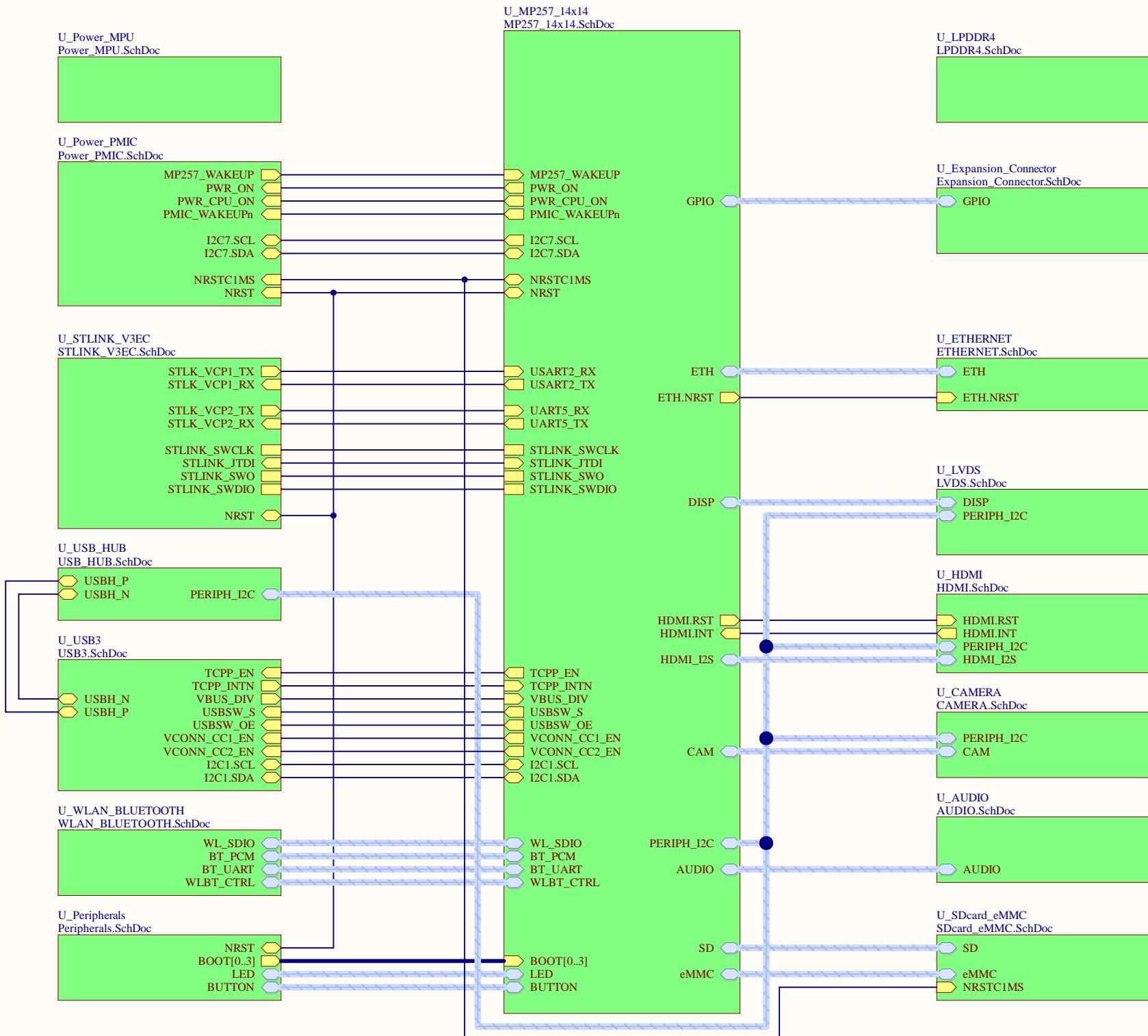
Open Platform License Agreement

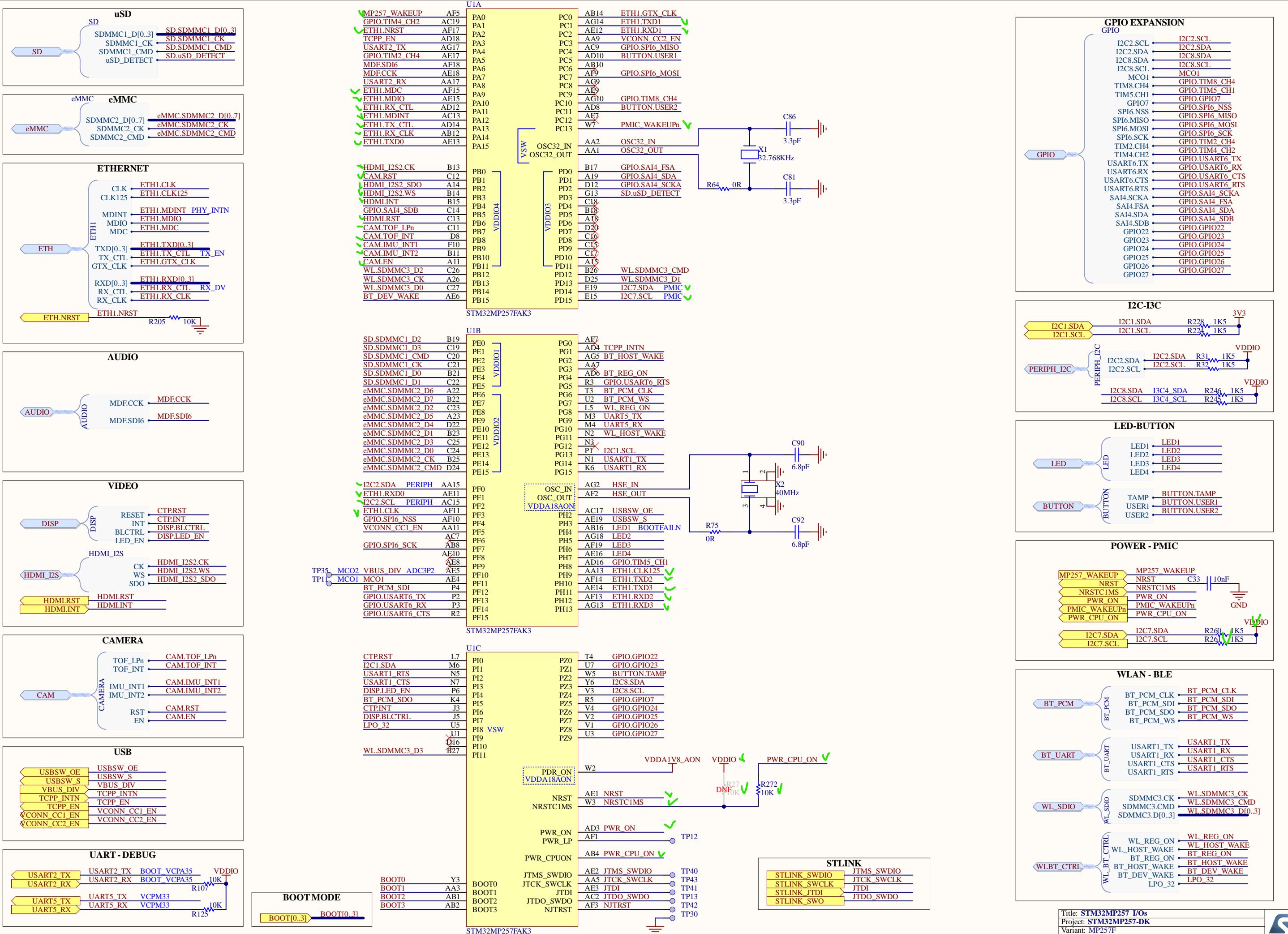
The Open Platform License Agreement ("Agreement") is a binding legal contract between you ("You") and STMicroelectronics International N.V. ("ST"), a company incorporated under the laws of the Netherlands acting for the purpose of this Agreement through its Swiss branch 39, Chemin du Champ des Filles, 1228 Plan-les-Ouates, Geneva, Switzerland.

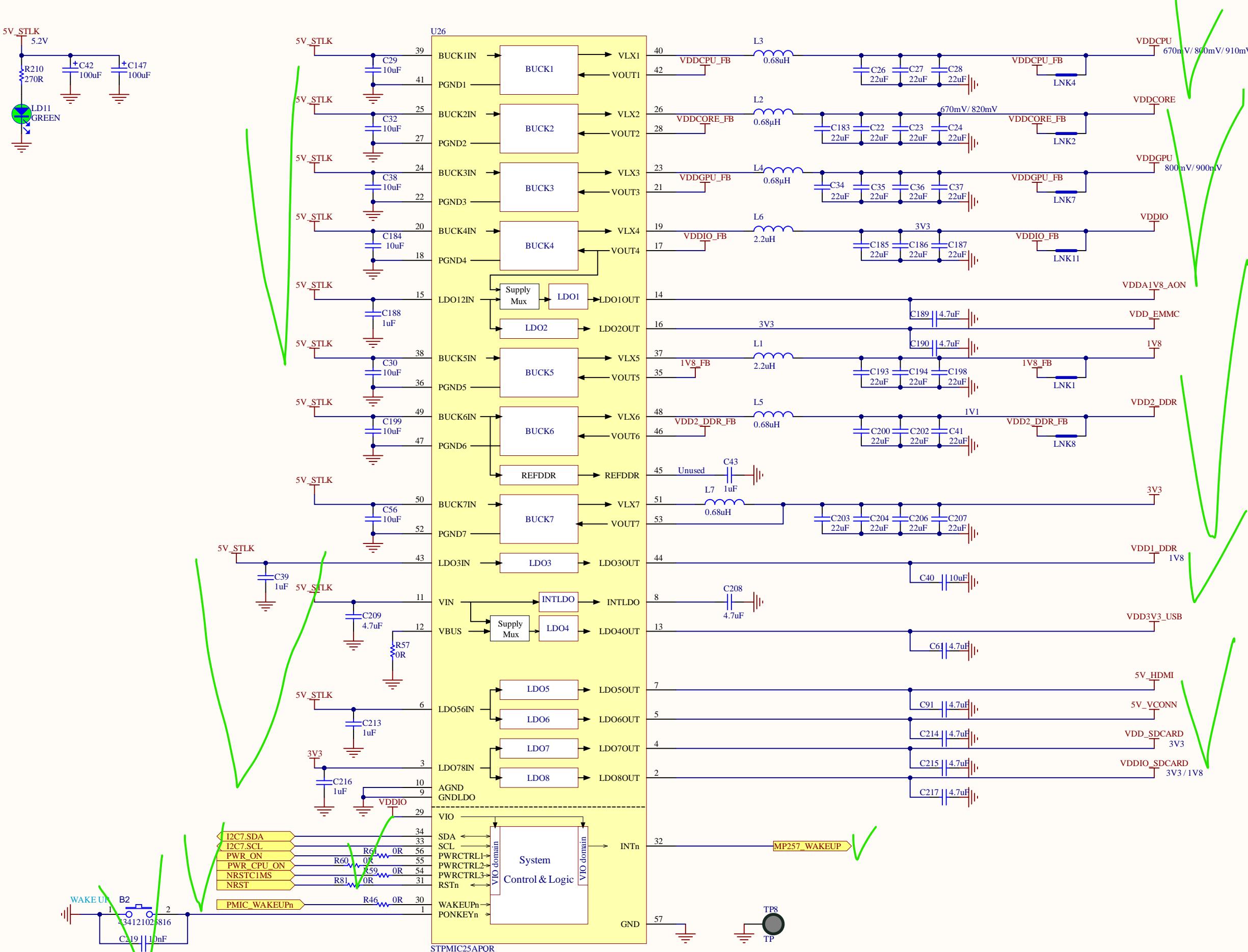
By using the enclosed reference designs, schematics, PC board layouts, and documentation, in hardcopy or CAD tool file format (collectively, the "Reference Material"), You are agreeing to be bound by the terms and conditions of this Agreement. Do not use the Reference Material until You have read and agreed to this Agreement terms and conditions. The use of the Reference Material automatically implies the acceptance of the Agreement terms and conditions.

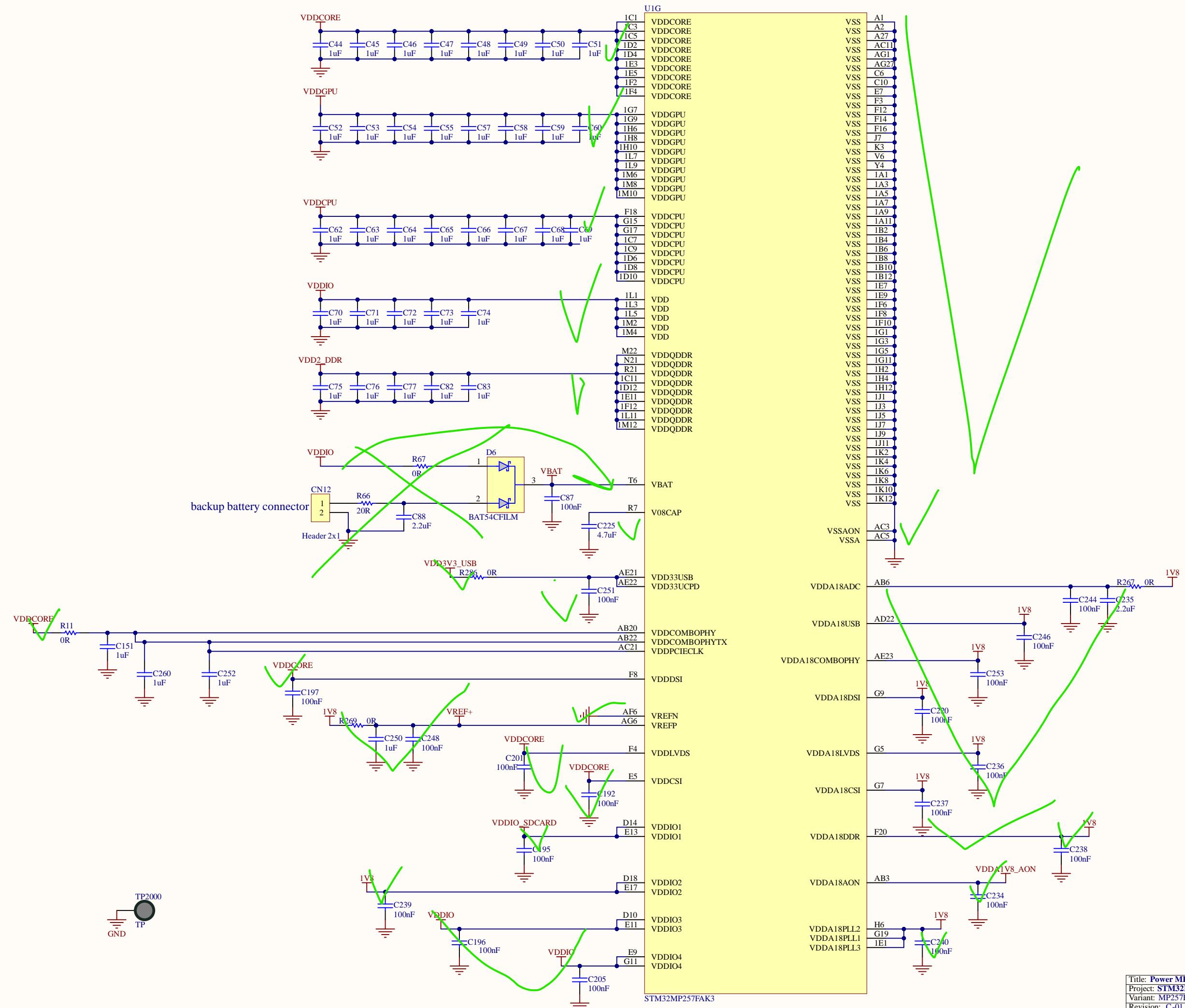
The complete Open Platform License Agreement can be found on www.st.com/opla.

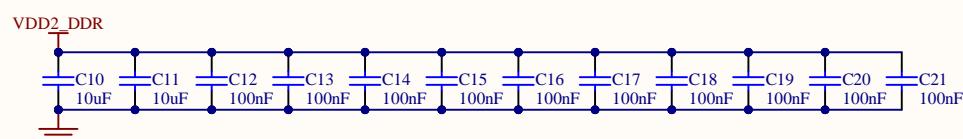
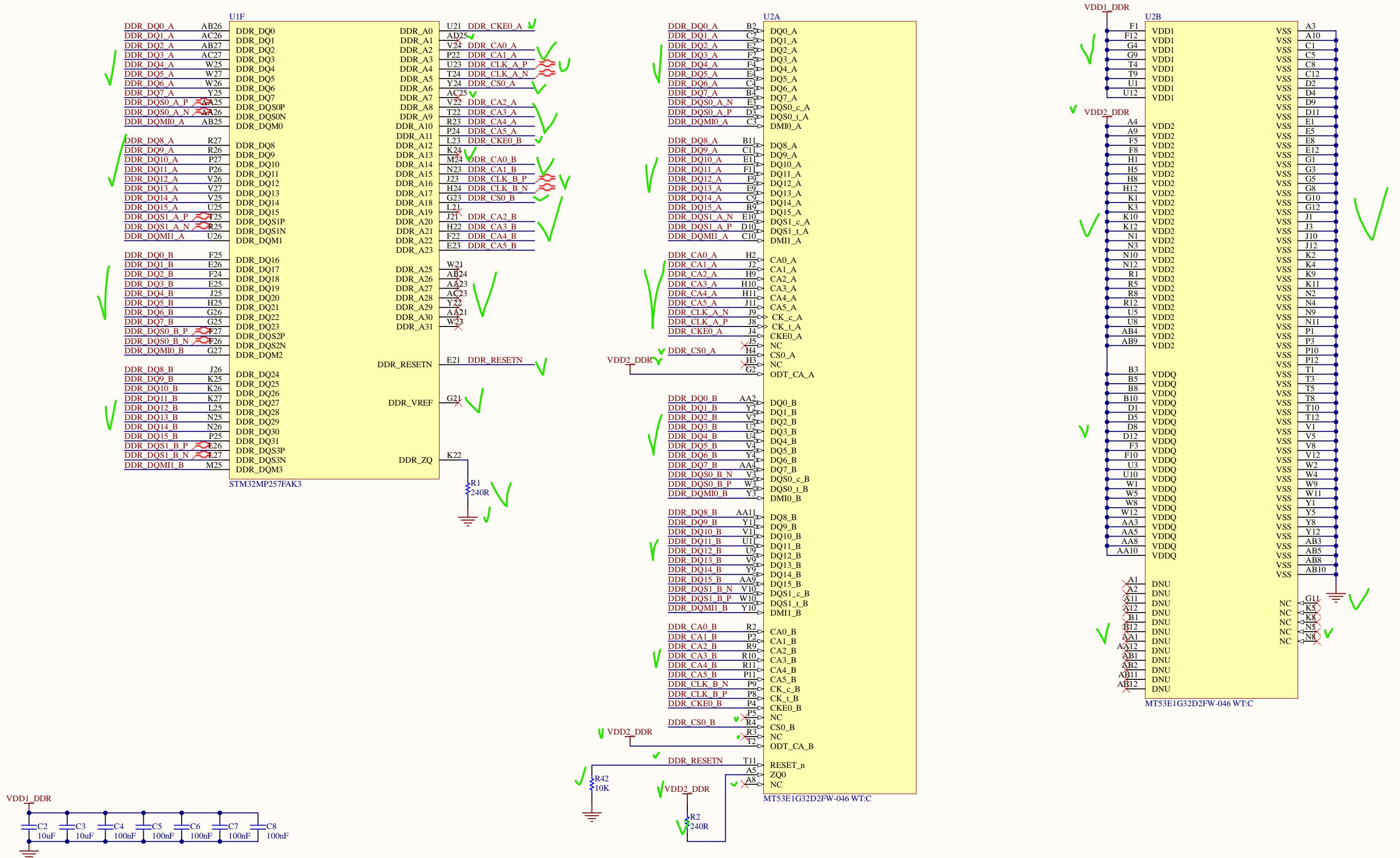
U_MB1605-TOP
MB1605-TOP.SchDoc



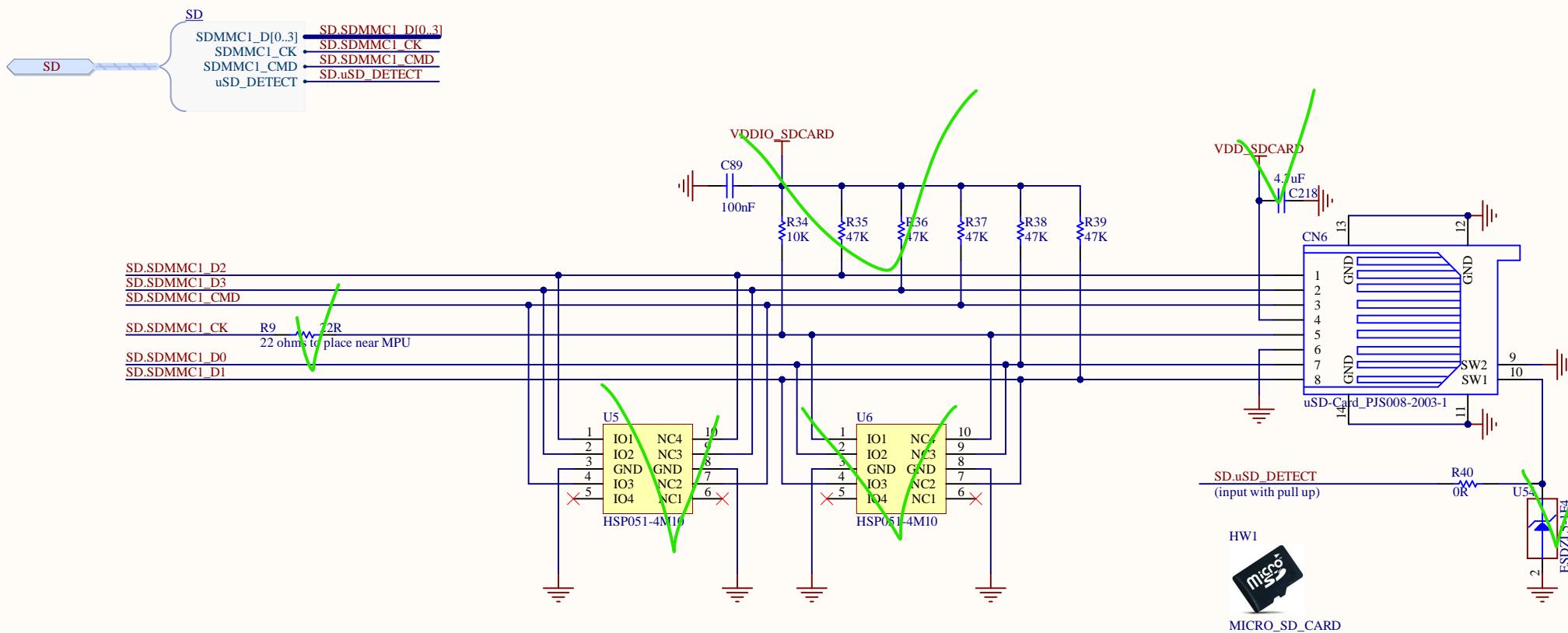




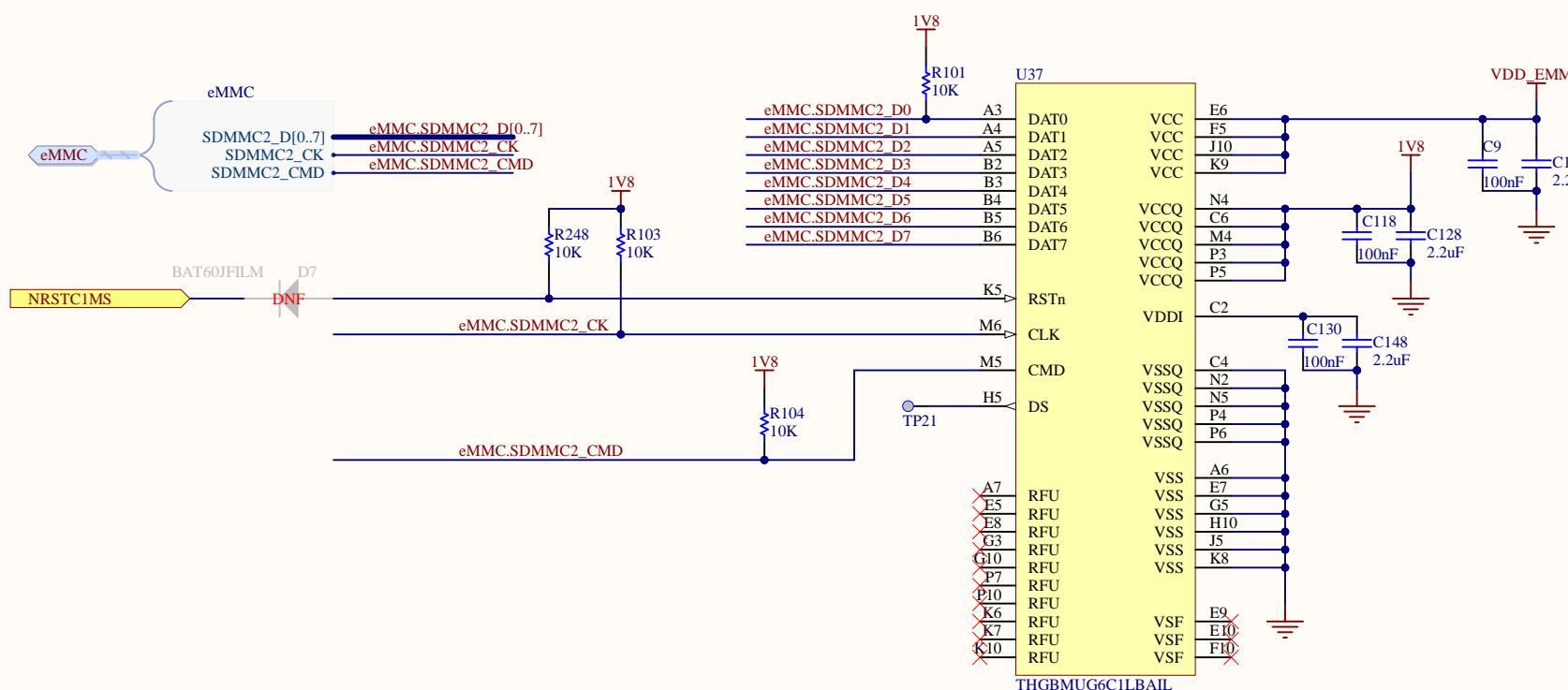




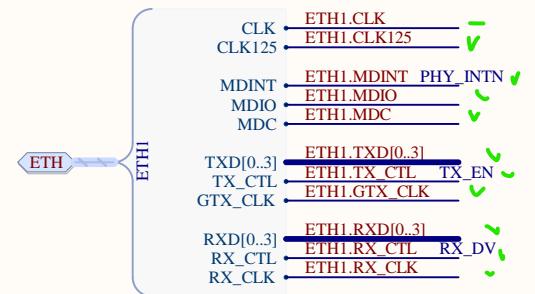
MICRO SD CARD



eMMC



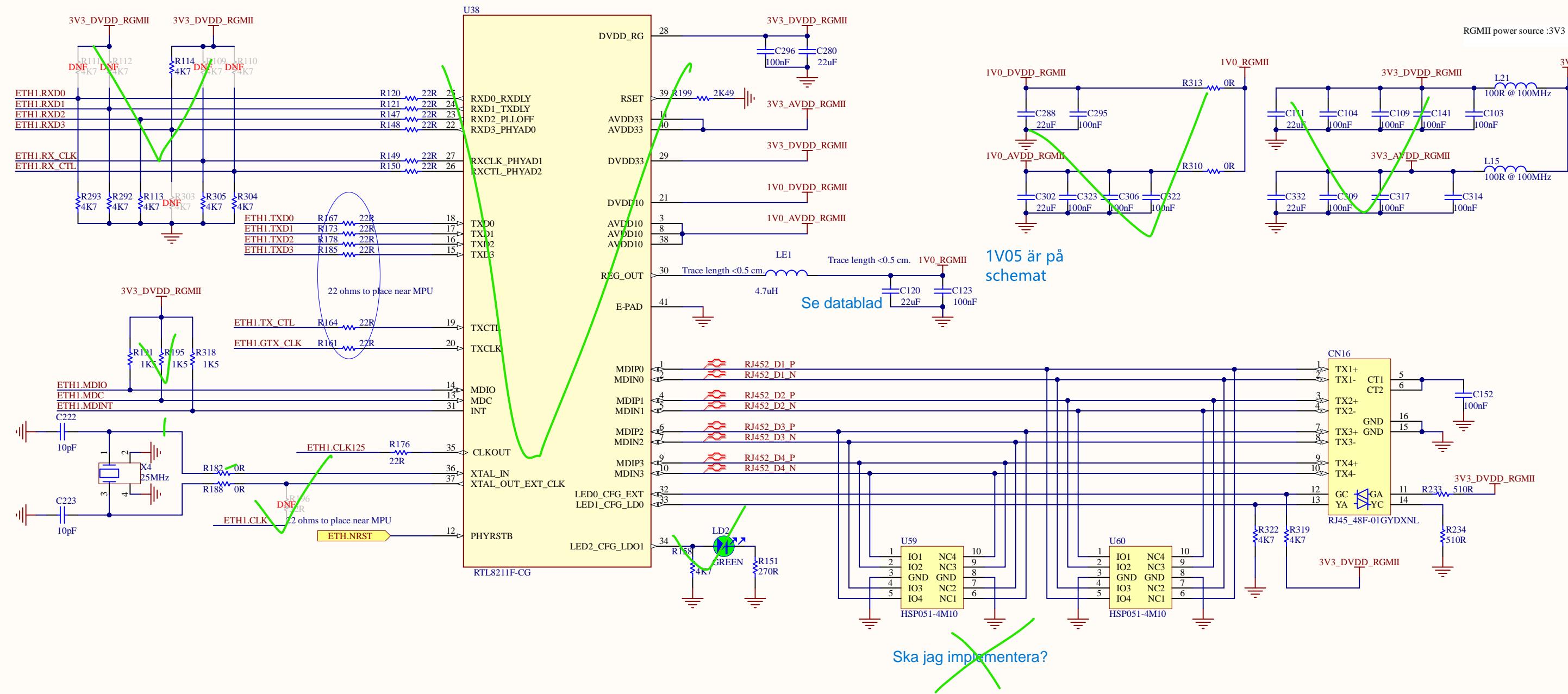
RGMII ETH



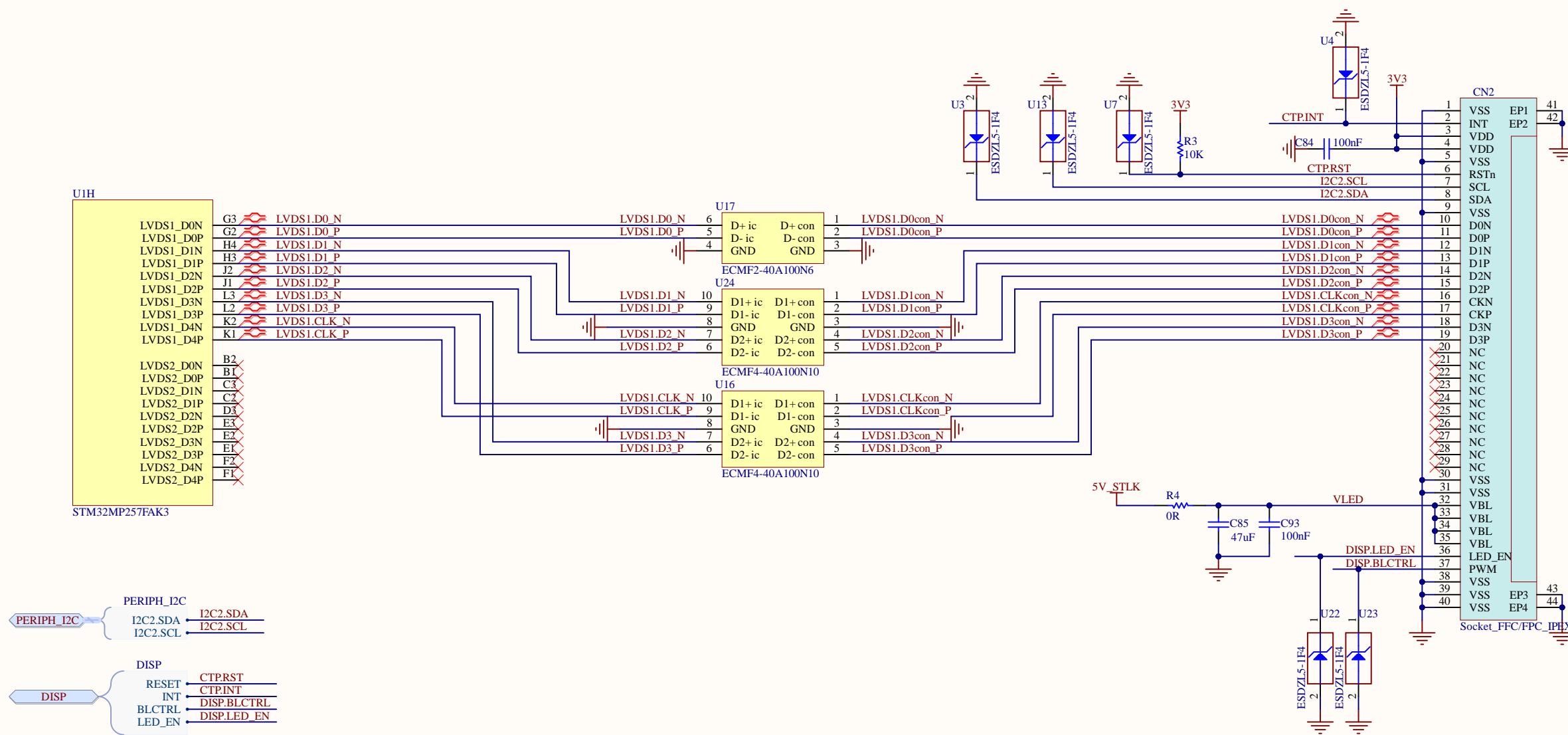
TXC / RXC : no 2ns delays

PHY Address :

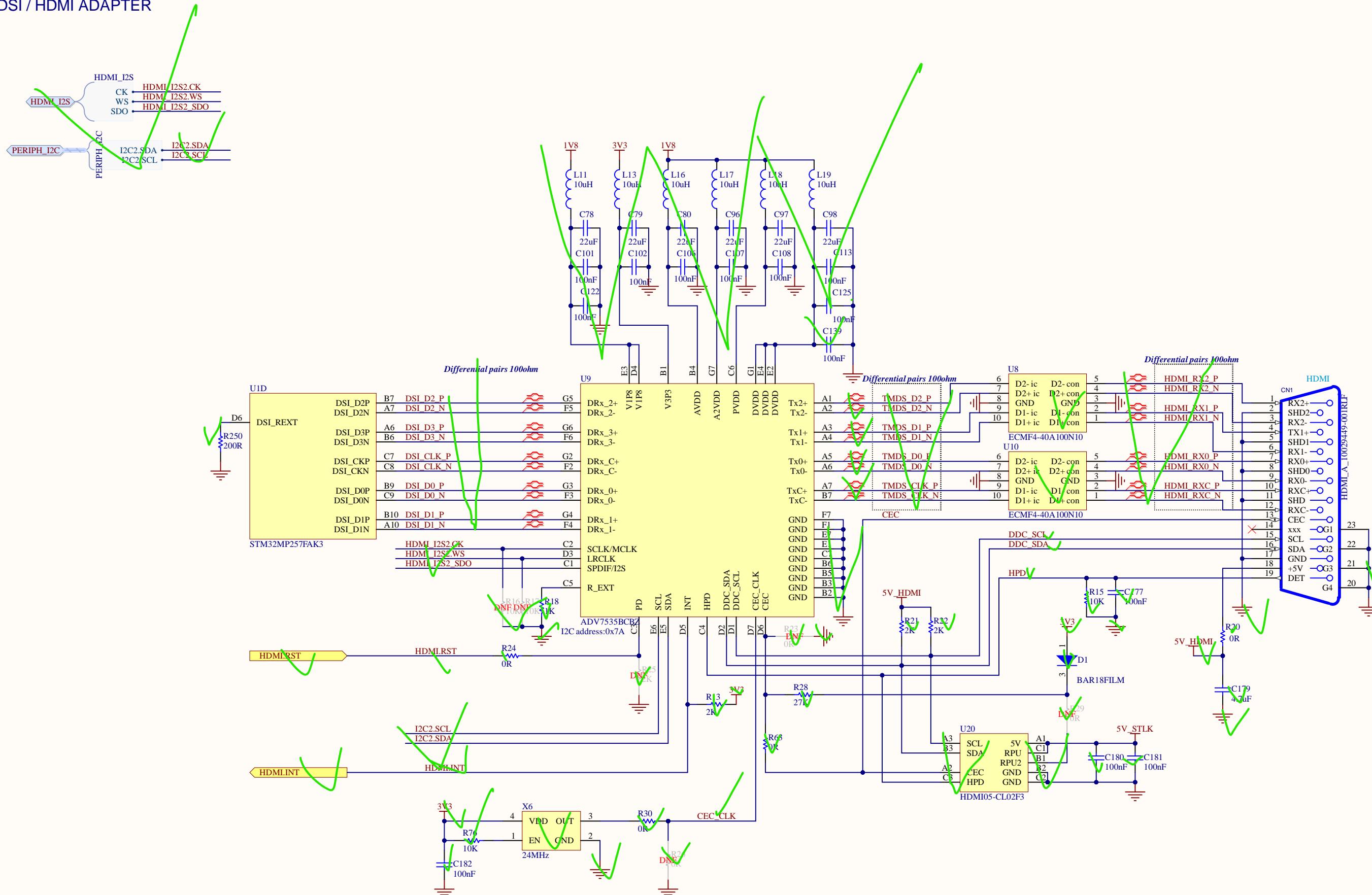
AD[2:0] : 001 (0x01) default



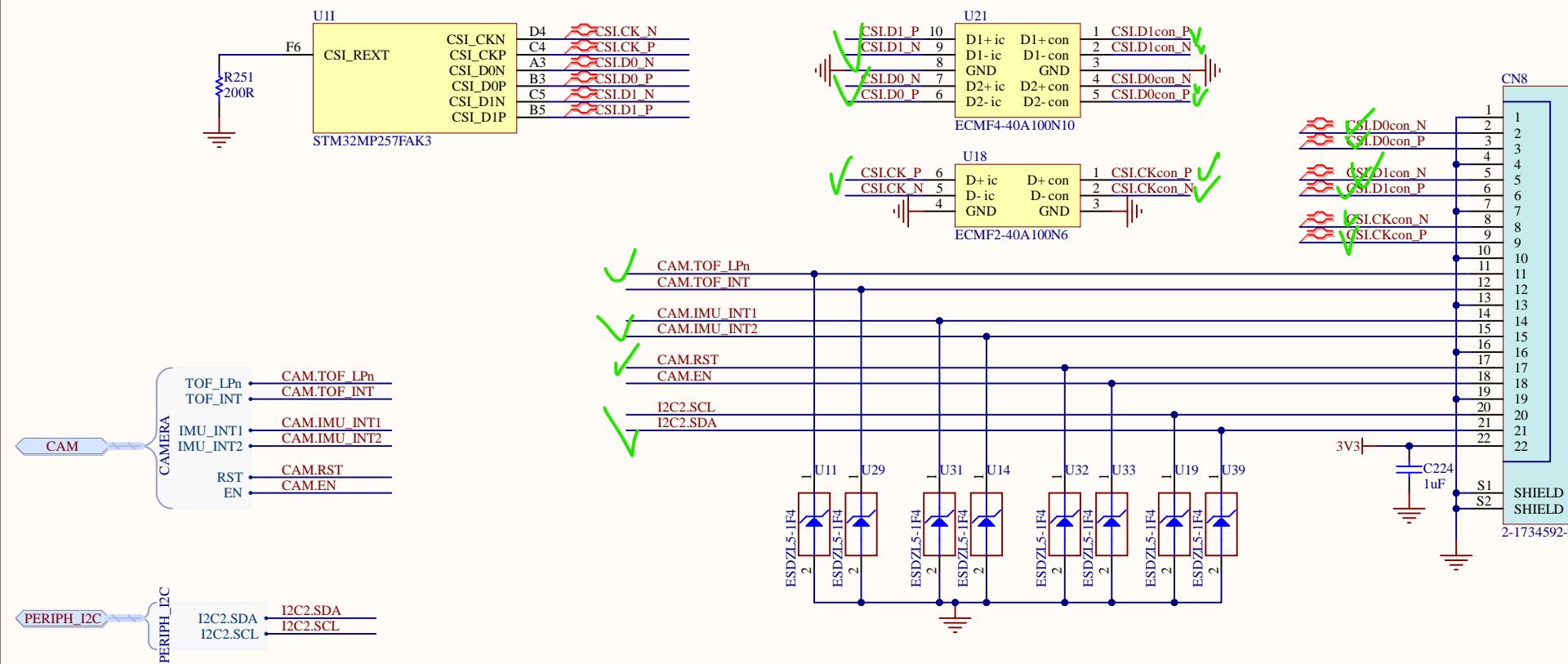
LVDS



DSI / HDMI ADAPTER

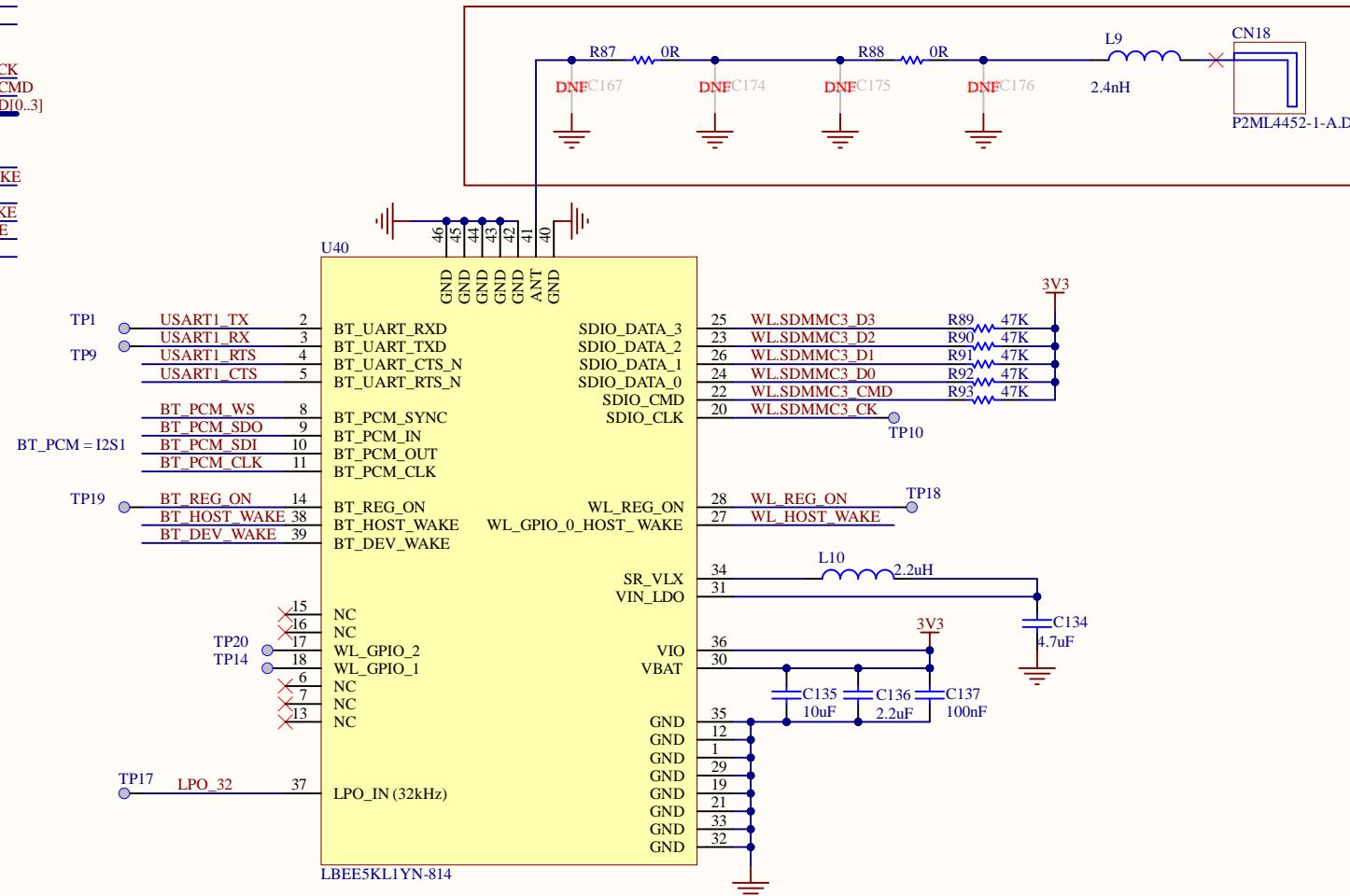
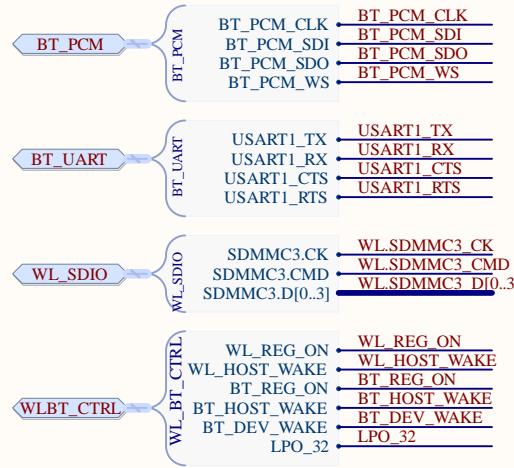


AI CAMERA



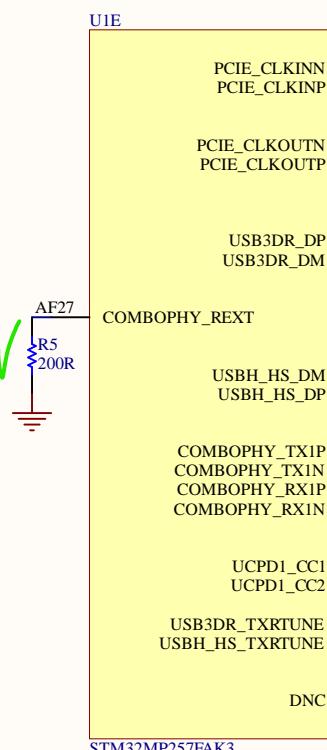
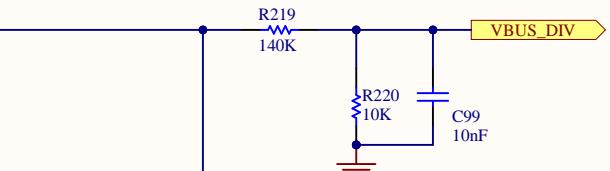
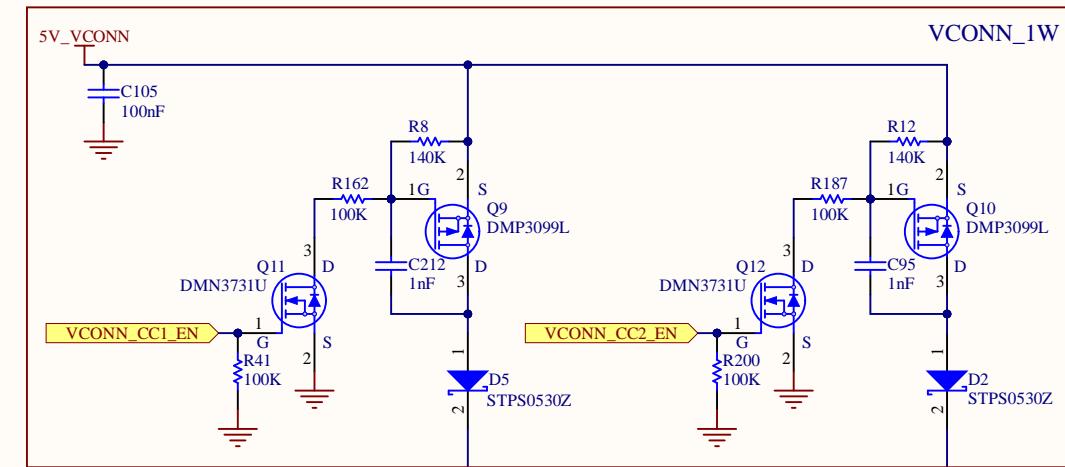
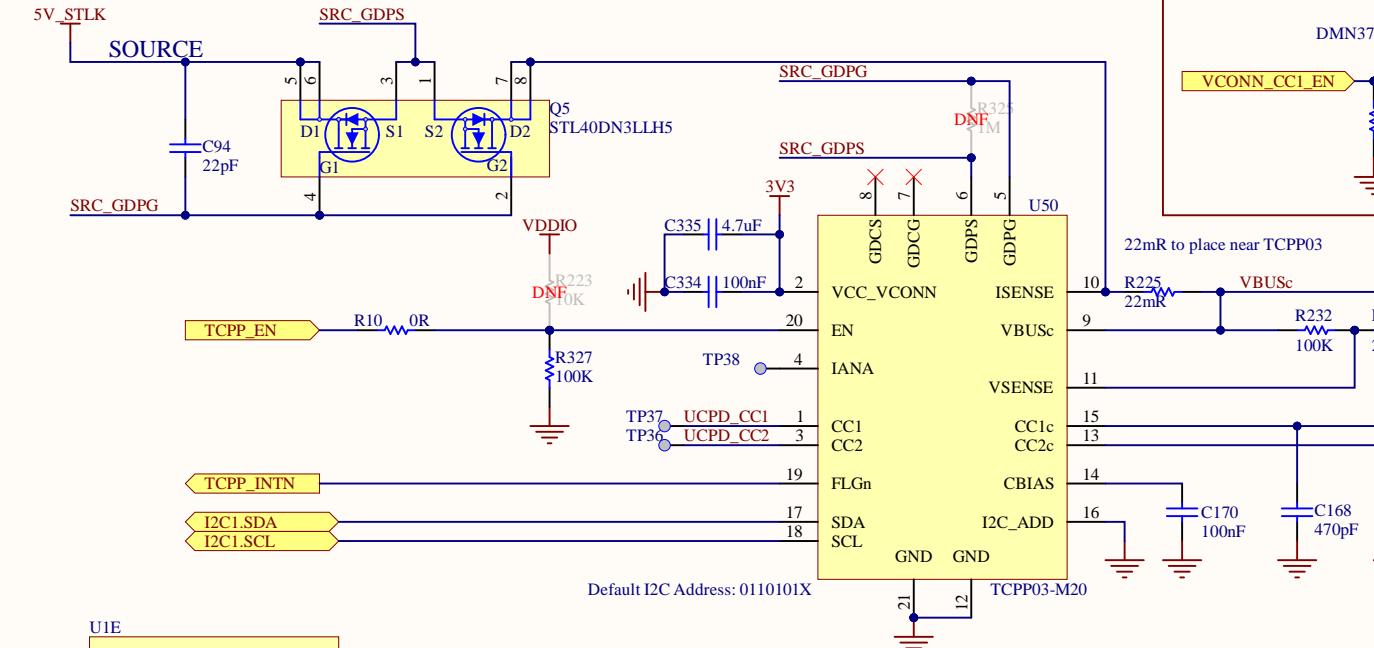
Title: CAMERA		
Project: STM32MP257-DK		
Variant: MP257F		
Revision: C-01		
Size: A4	Date: 03-JUN-24	Reference: MB1605



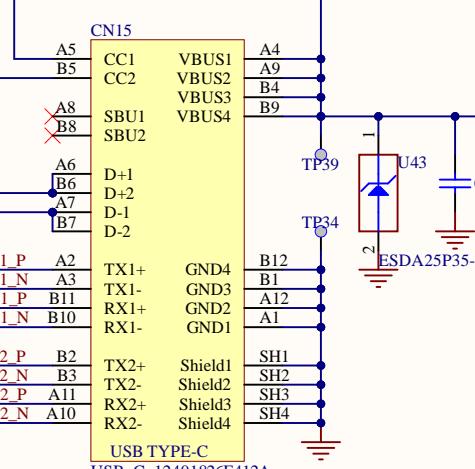
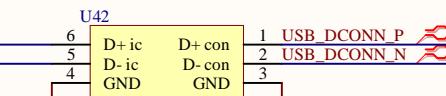
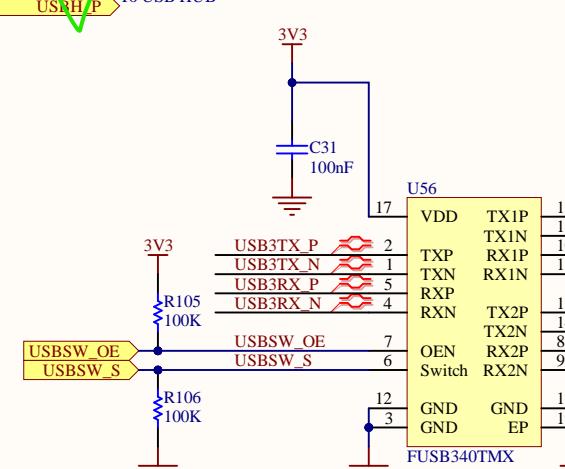


USB3_DRD

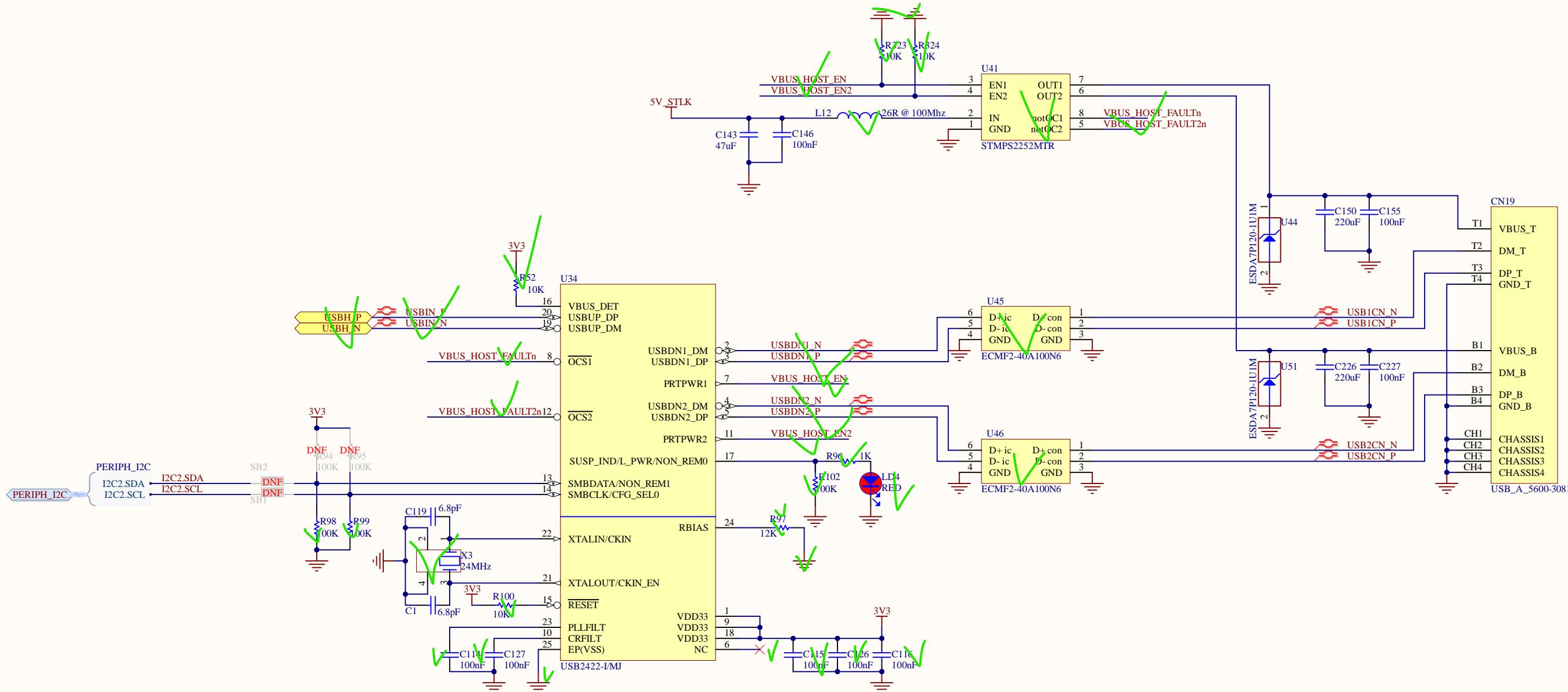
Source/Sink(with sink current=0)



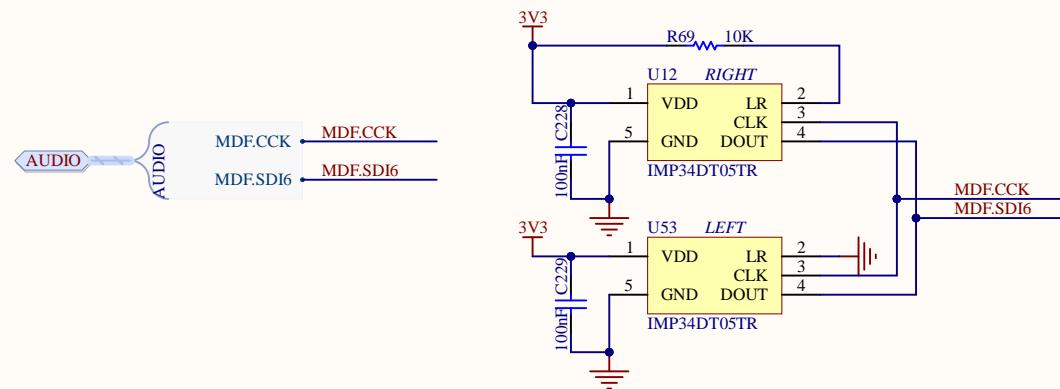
OPEN = 1 : Switch disabled
Switch=0 : SW1 selected



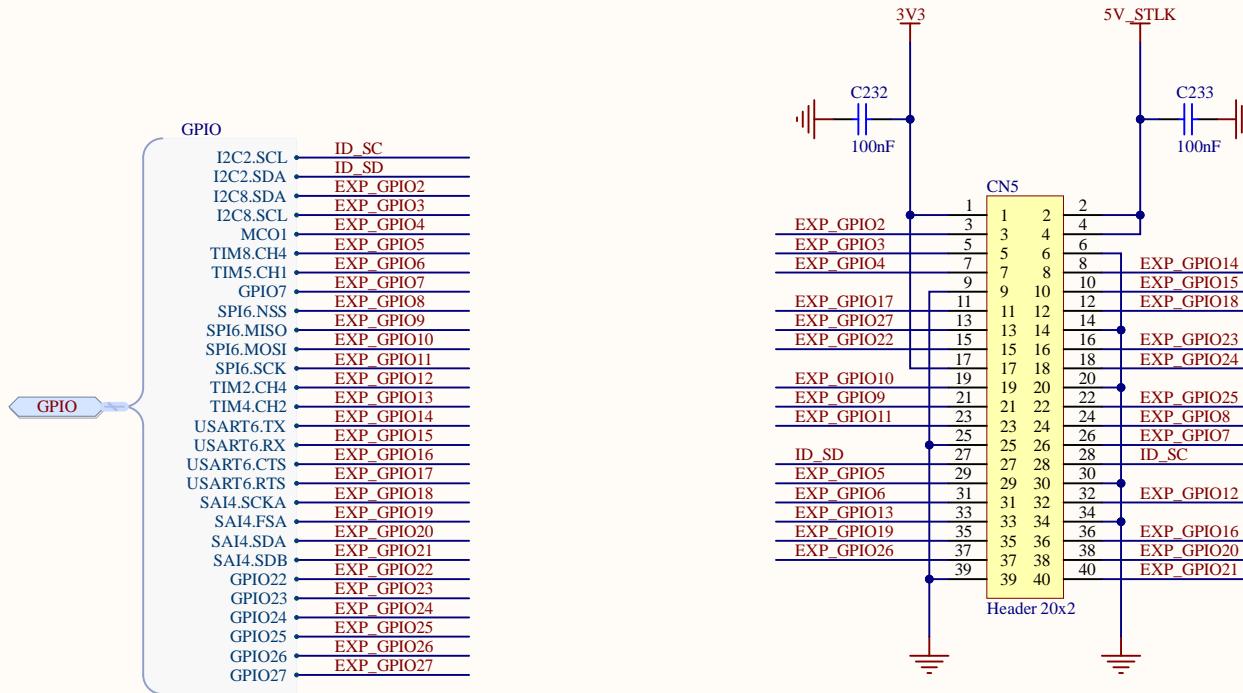
USB_HUB type A



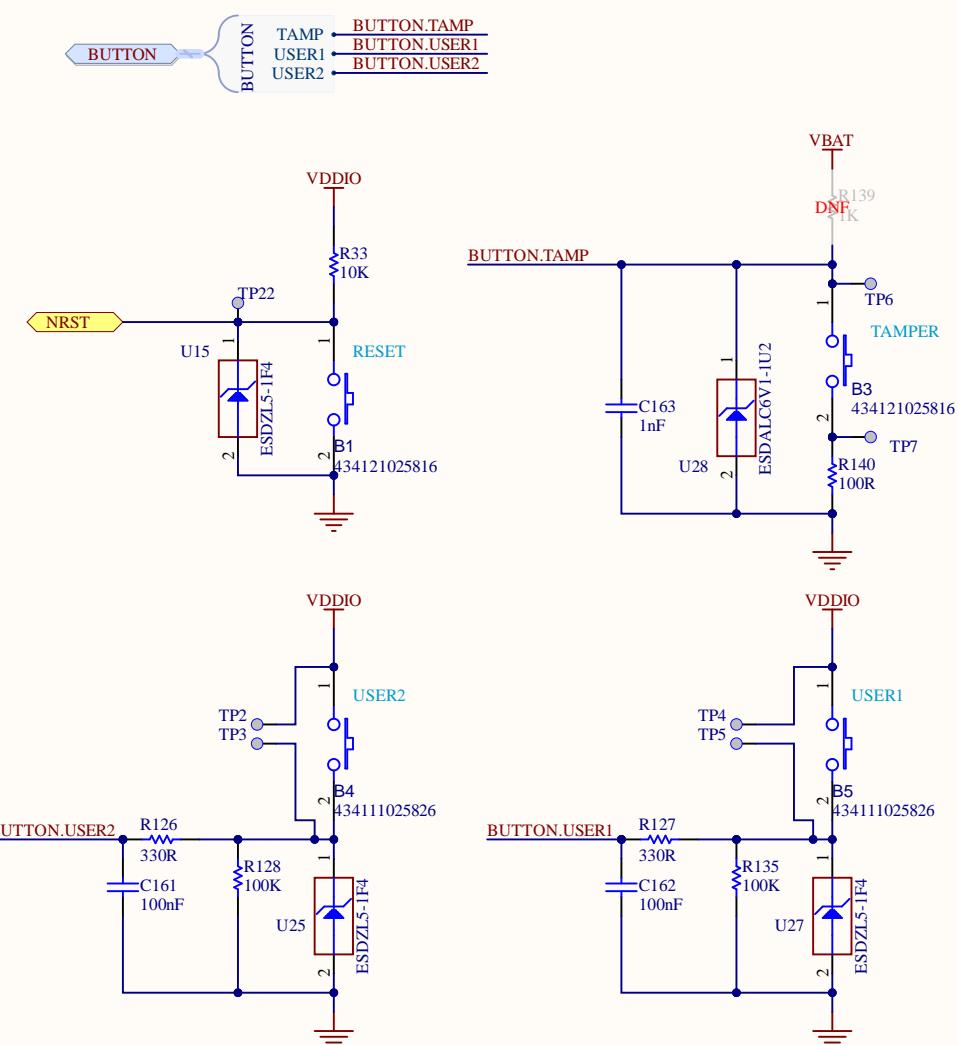
AUDIO



EXPANSION CONNECTOR



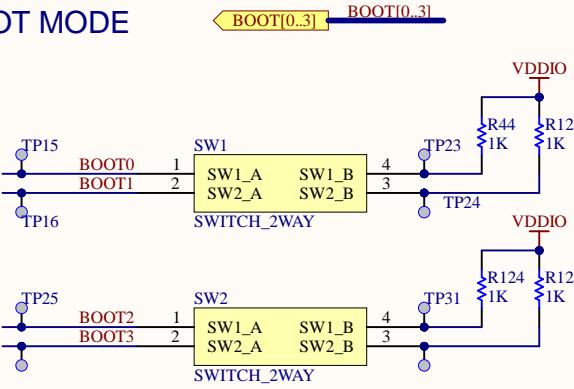
BUTTONS



HW1302
BOARD CPN
Sticker product

HW1303
BOARD REF
Sticker board

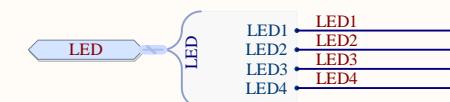
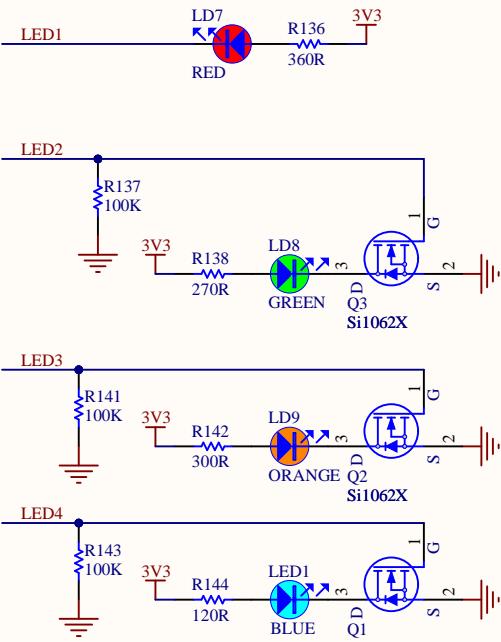
BOOT MODE



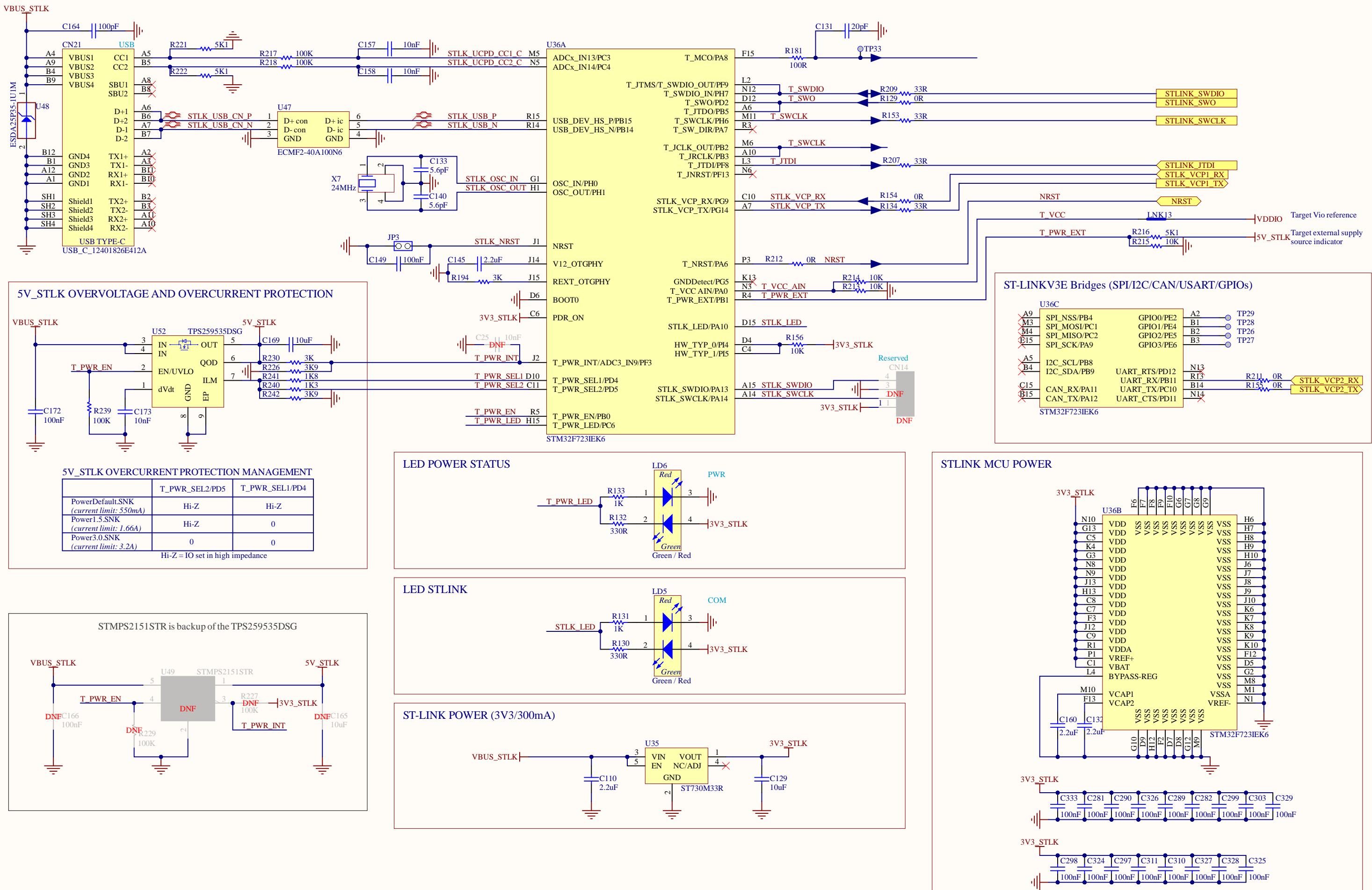
BOOT[3:0]	A35 master	M33 master
'b0000	UART/USB	UART/USB
'b0001	SD-Card	-
'b0010	eMMC	-
'b0011	Development	Development
'b0100	S-NOR	-
'b0101	-	-
'b0110	-	-
'b0111	-	SD-Card
'b1000	-	eMMC
'b1001	-	-
'b1010	-	-
'b1011	-	S-NOR
'b1100	Development	Development
'b1101	-	-
'b1110	-	-
'b1111	UART/USB	UART/USB

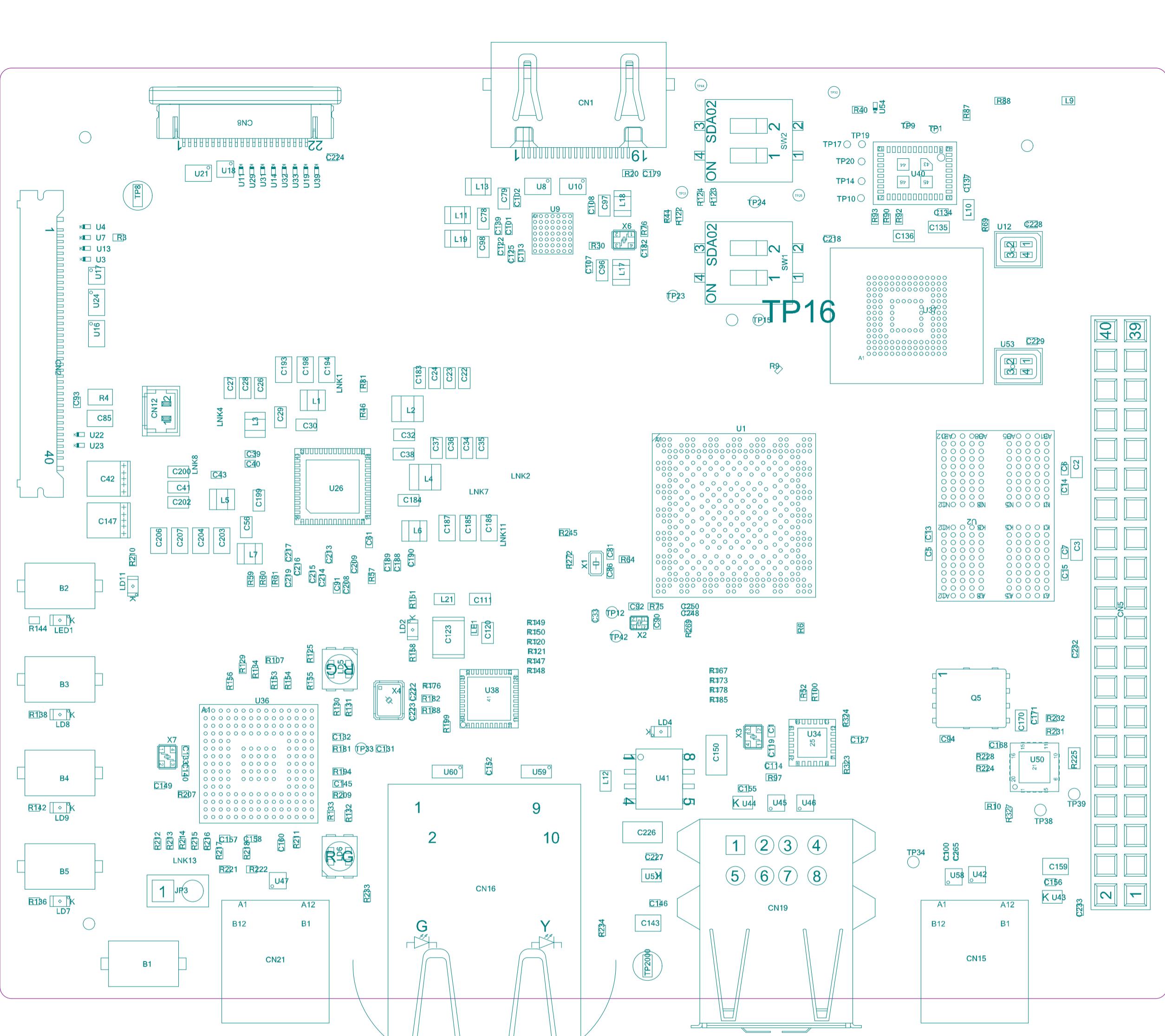
BOOT Sources : Simplified Table
For the complete Table : refer to datasheet

LED



STLINK-V3EC





Project: STM32MP257-DK

Layer: Top Assembly

Gerber: .GM14

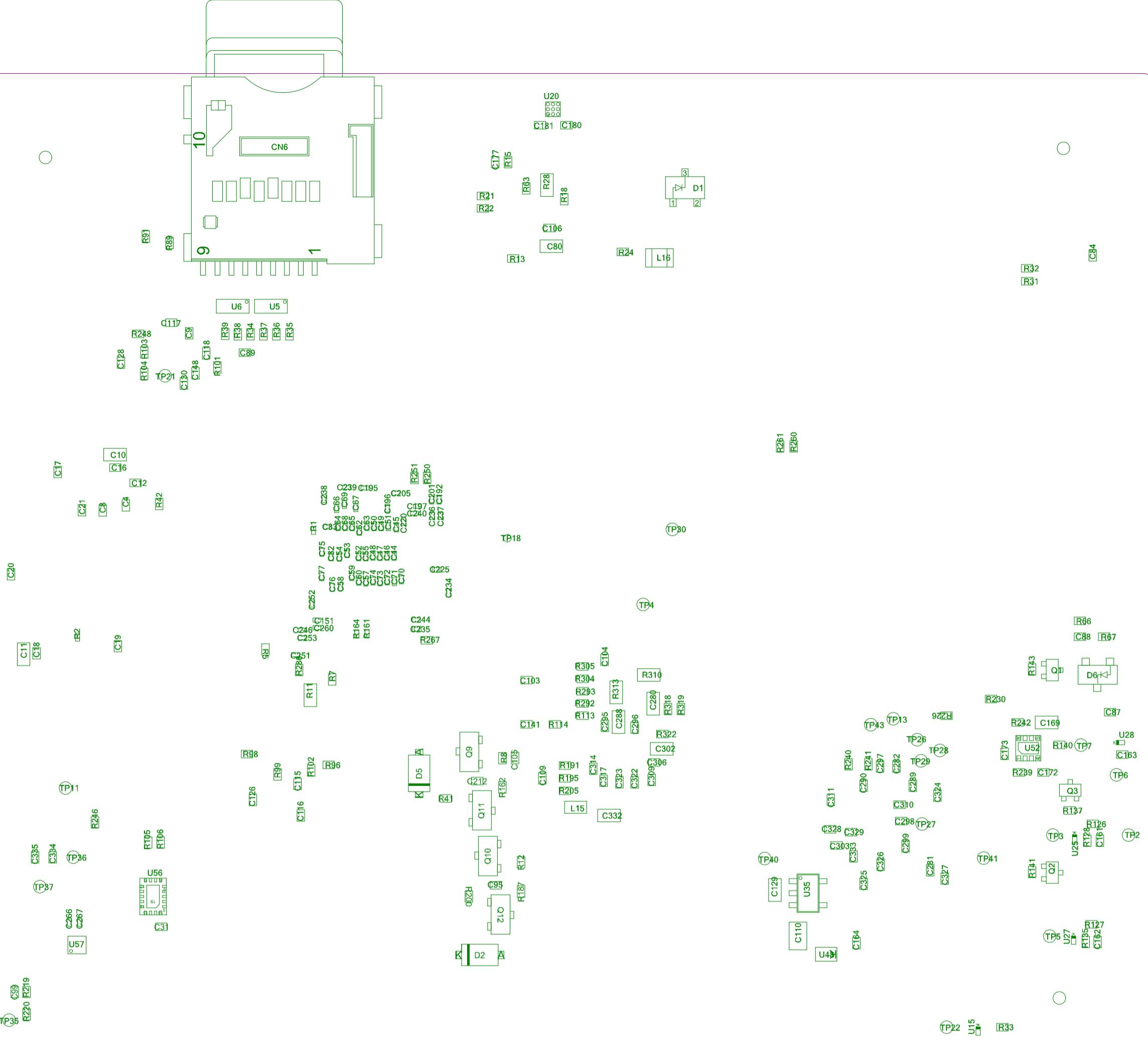
Variant: MP257F

Ref: MB1605

Date: 03-JUN-24

Rev: C





Project: STM32MP257-DK

Layer: Bottom Assembly

Gerber: .GM15

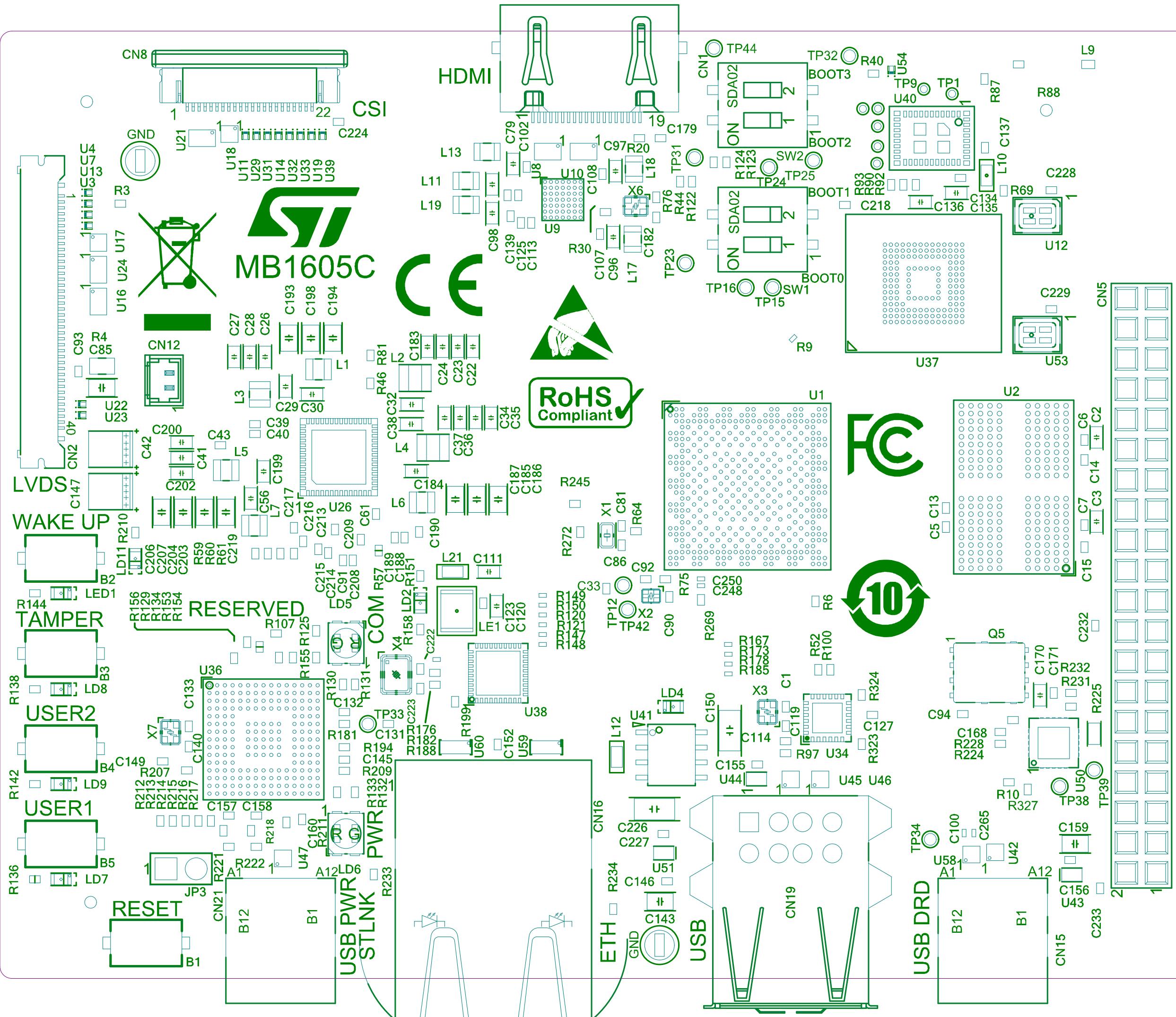
Variant: MP257F

Ref: MB1605

Date: 03-JUN-24

Rev: C





Top Overlay

.GTO

