

STM32MP257F-EV1

MB1936

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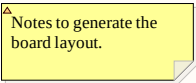
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Legend

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

Text to be added to silkscreen.

Warning text.

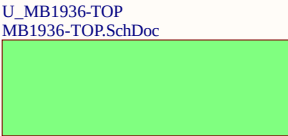


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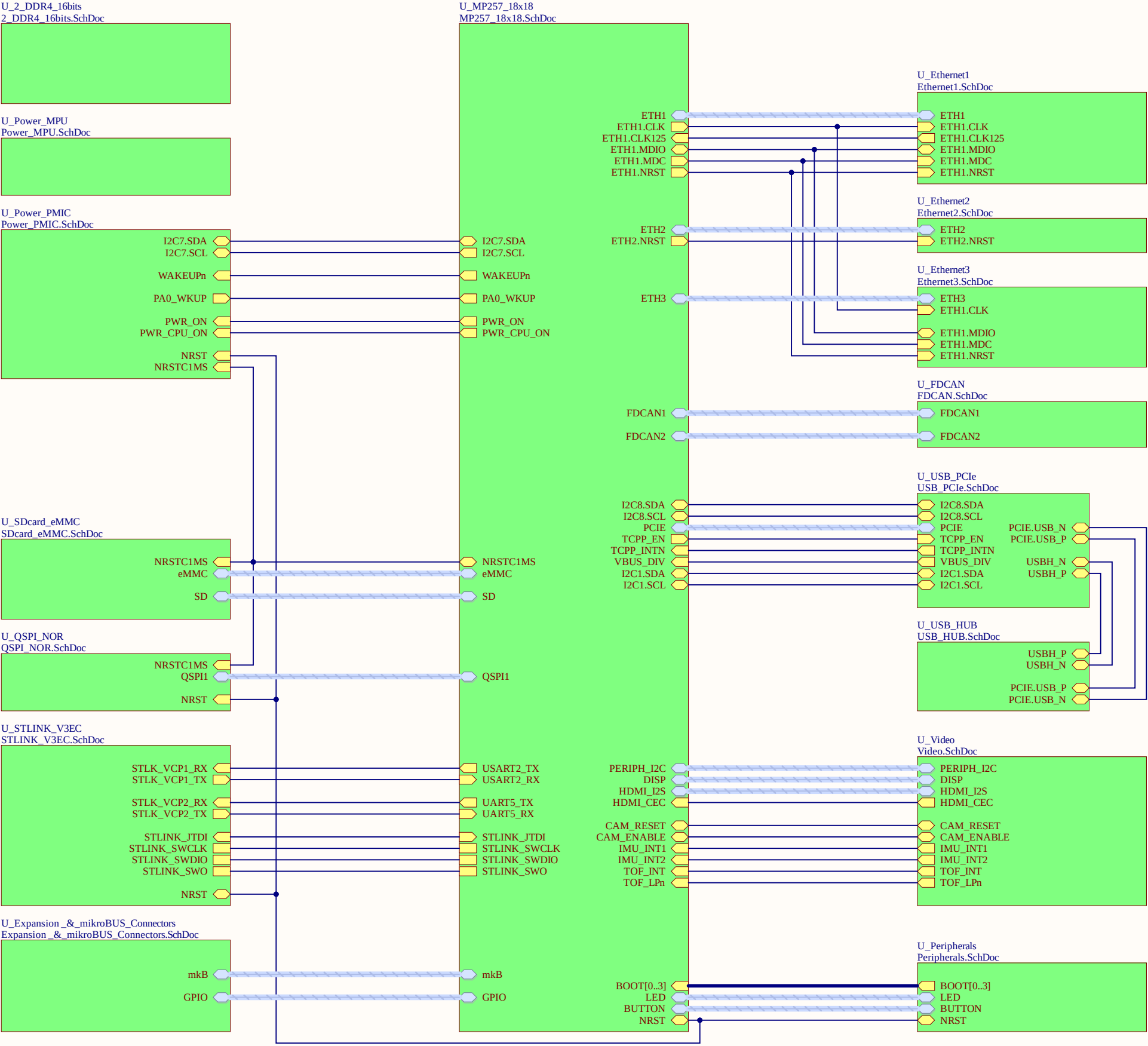
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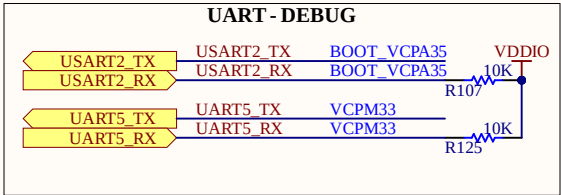
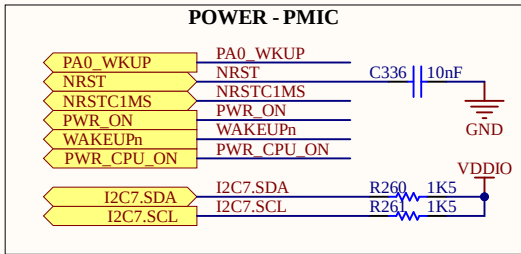
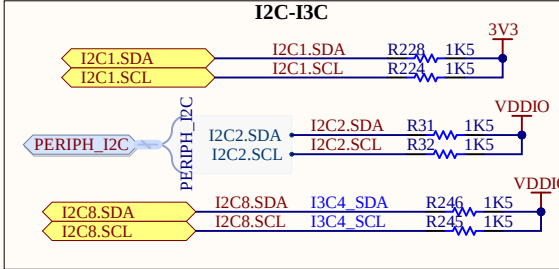
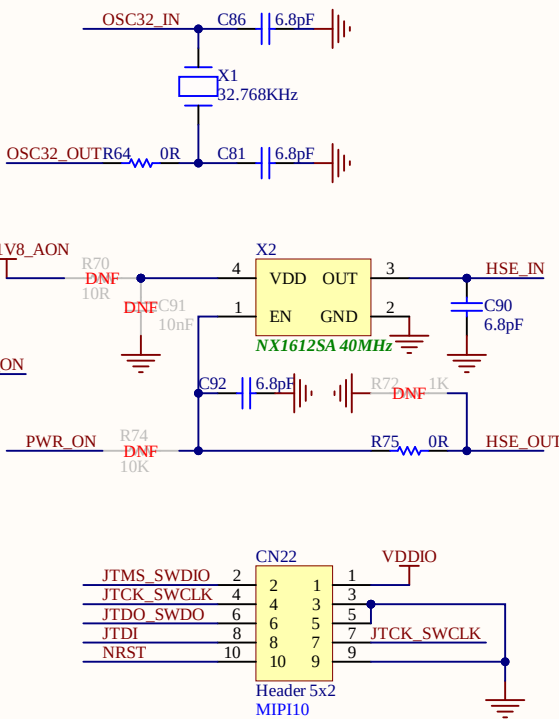
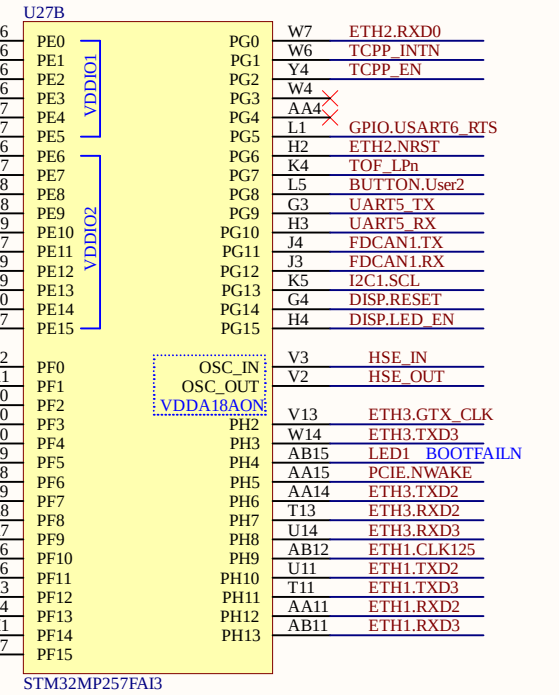
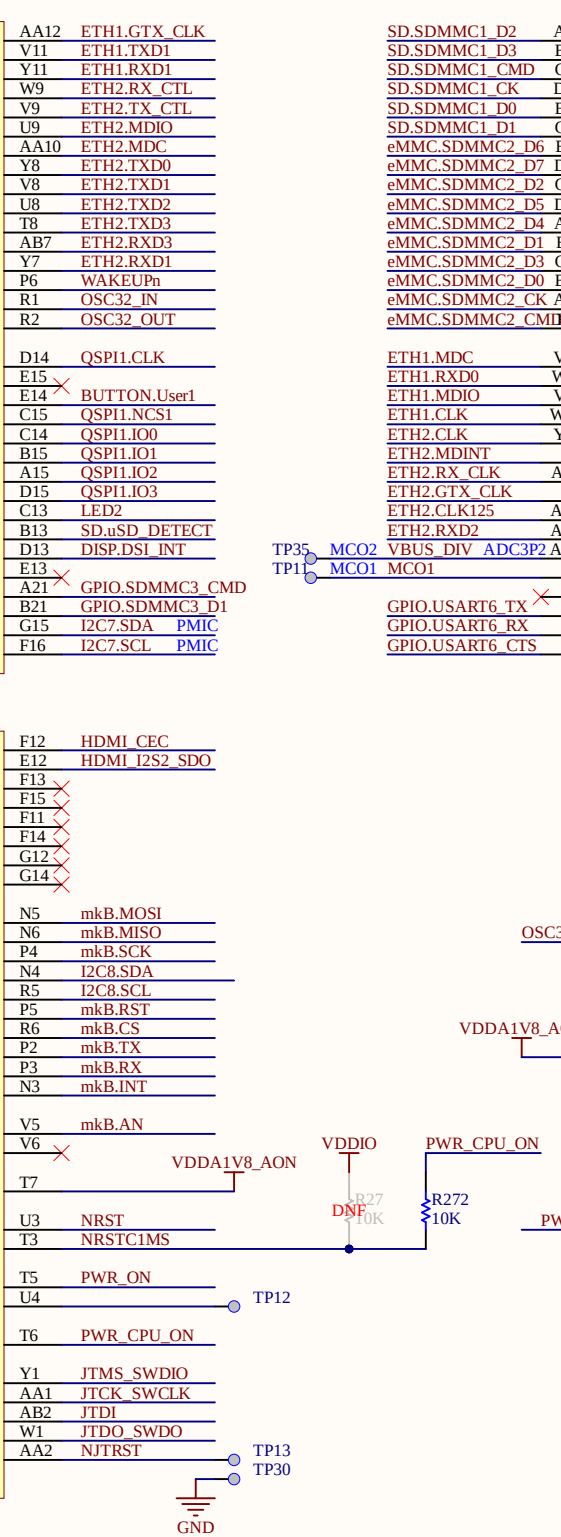
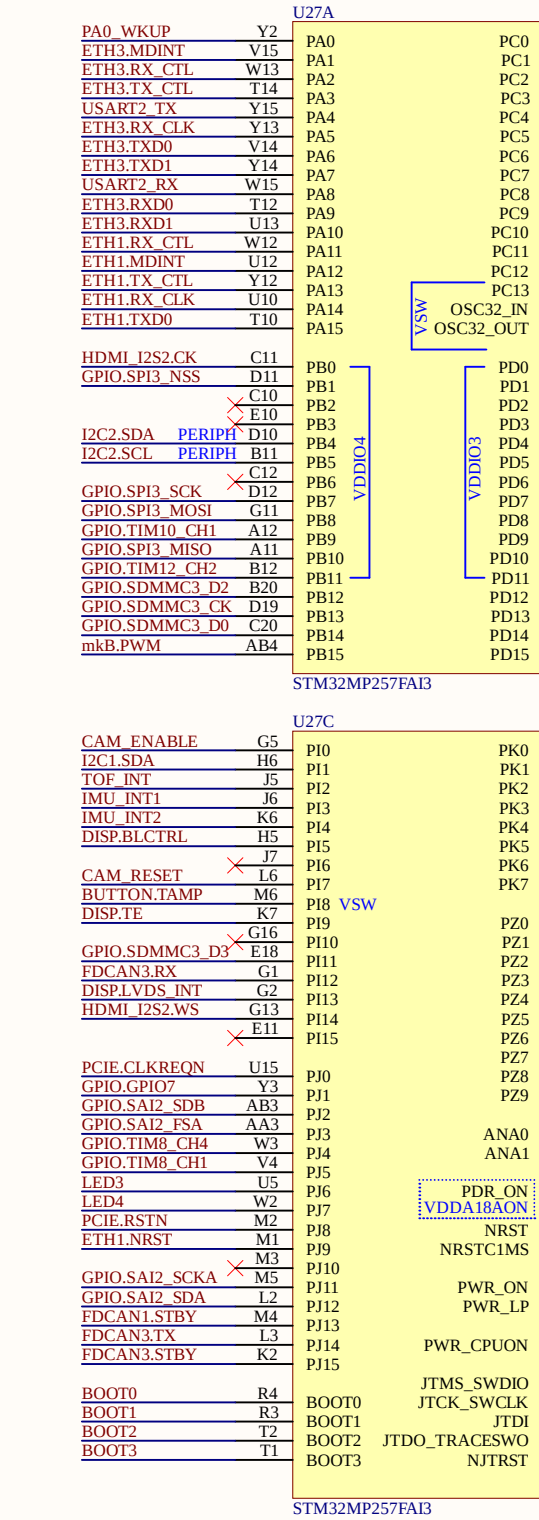
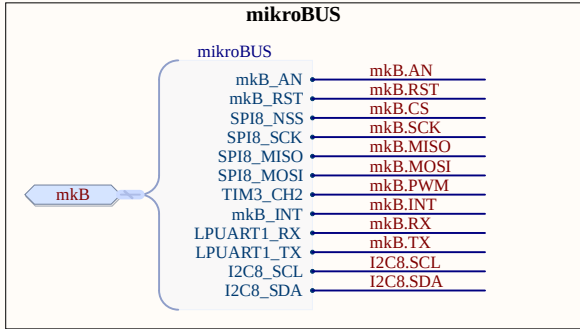
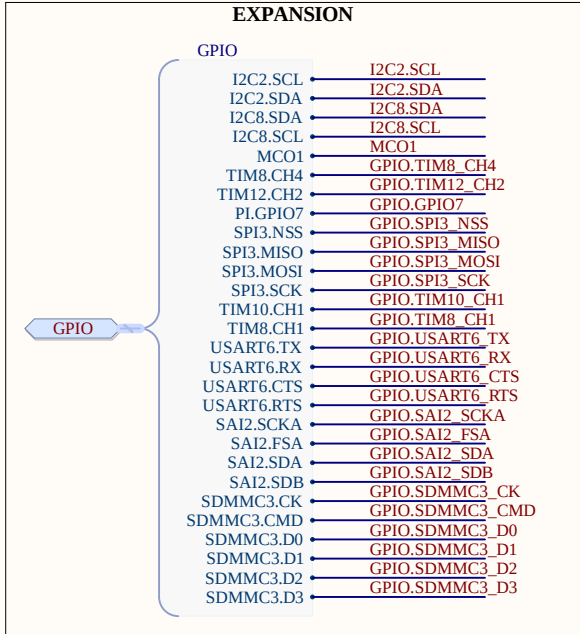
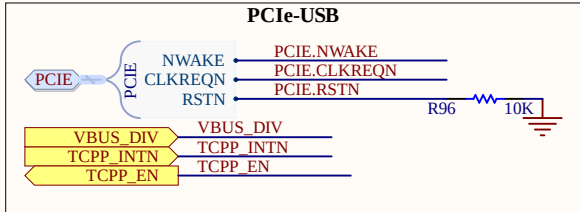
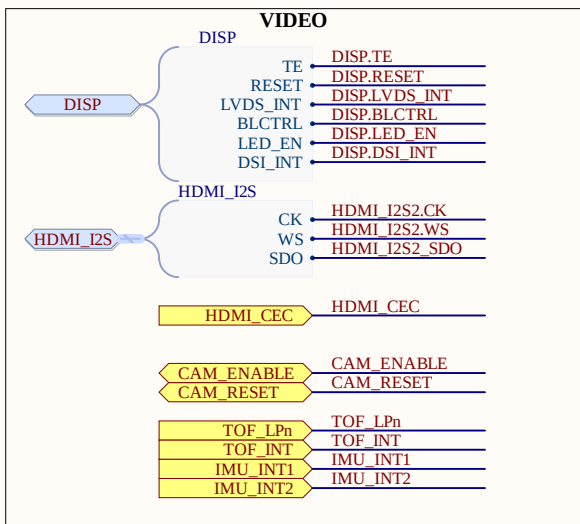
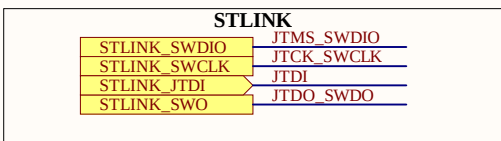
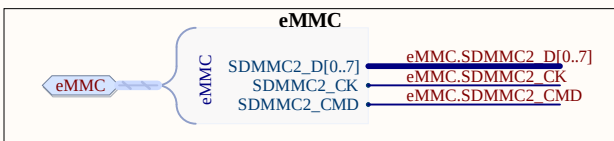
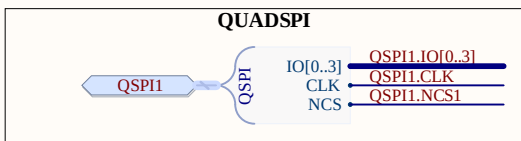
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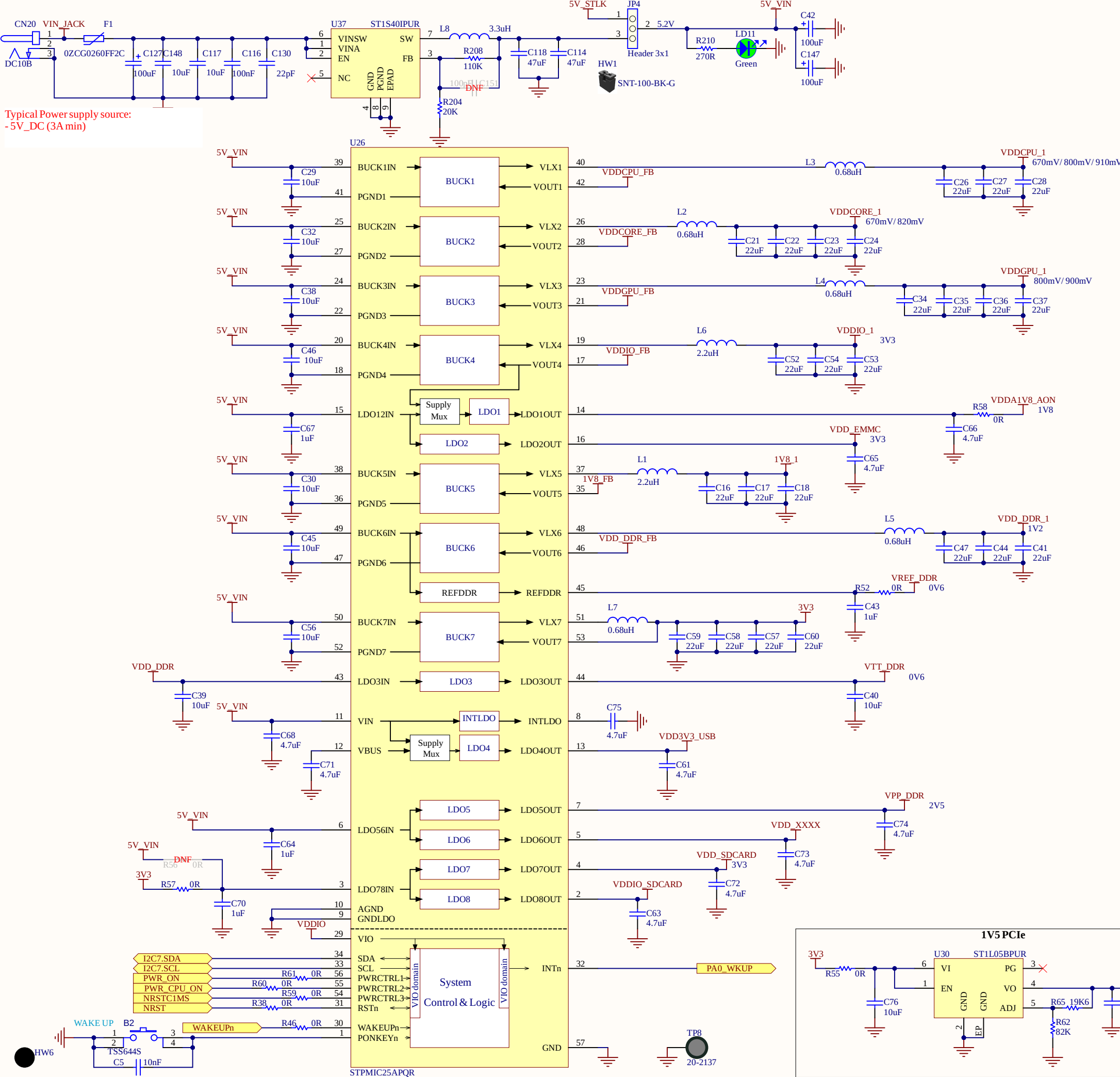


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Revision: D-02		Reference: MB1936
Size: A4	Date: 21-MAY-25	Sheet: 1 of 18

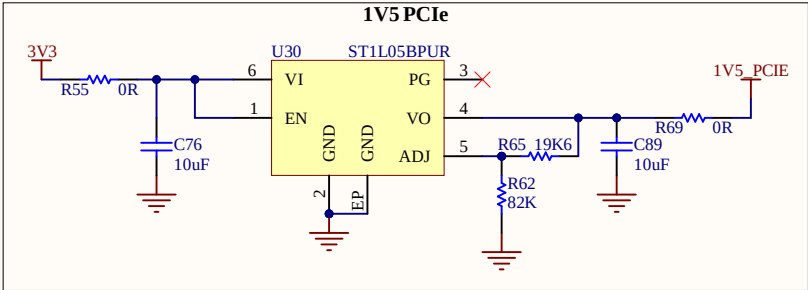
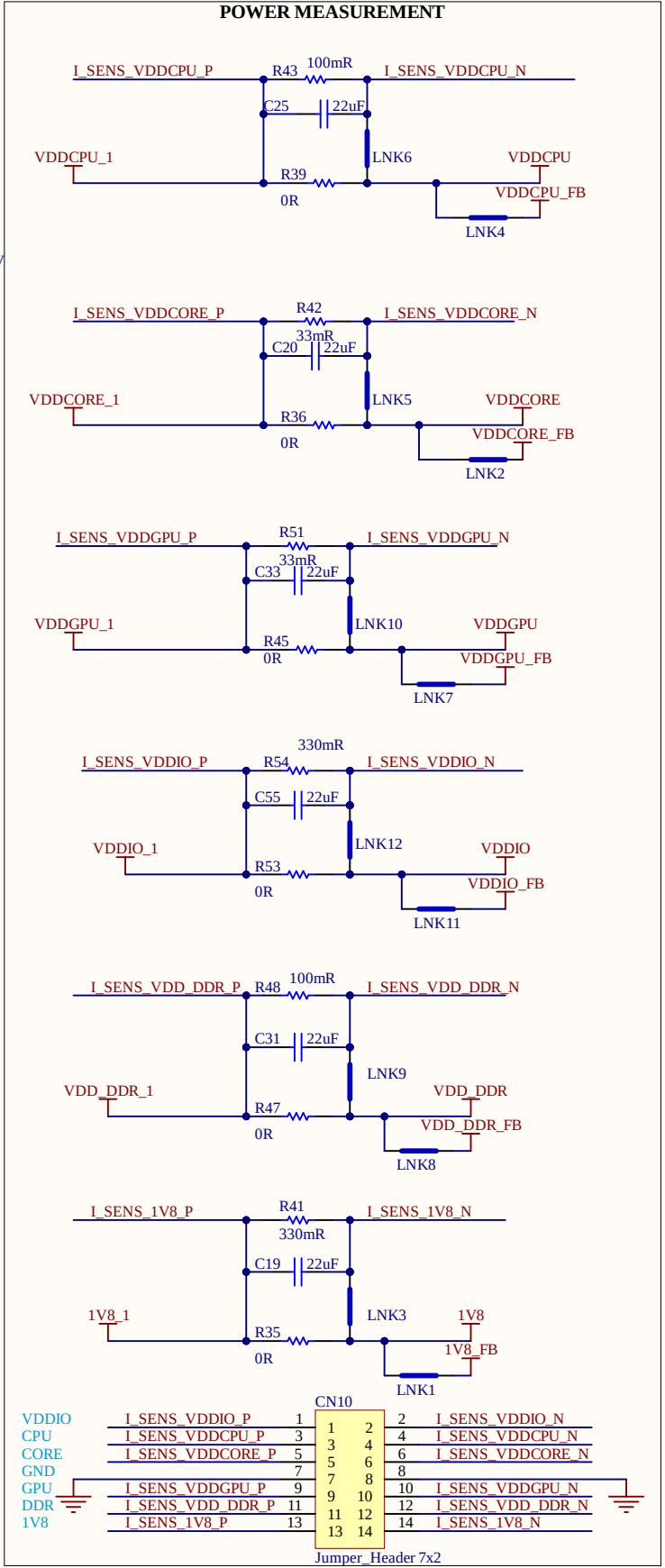




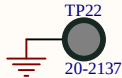


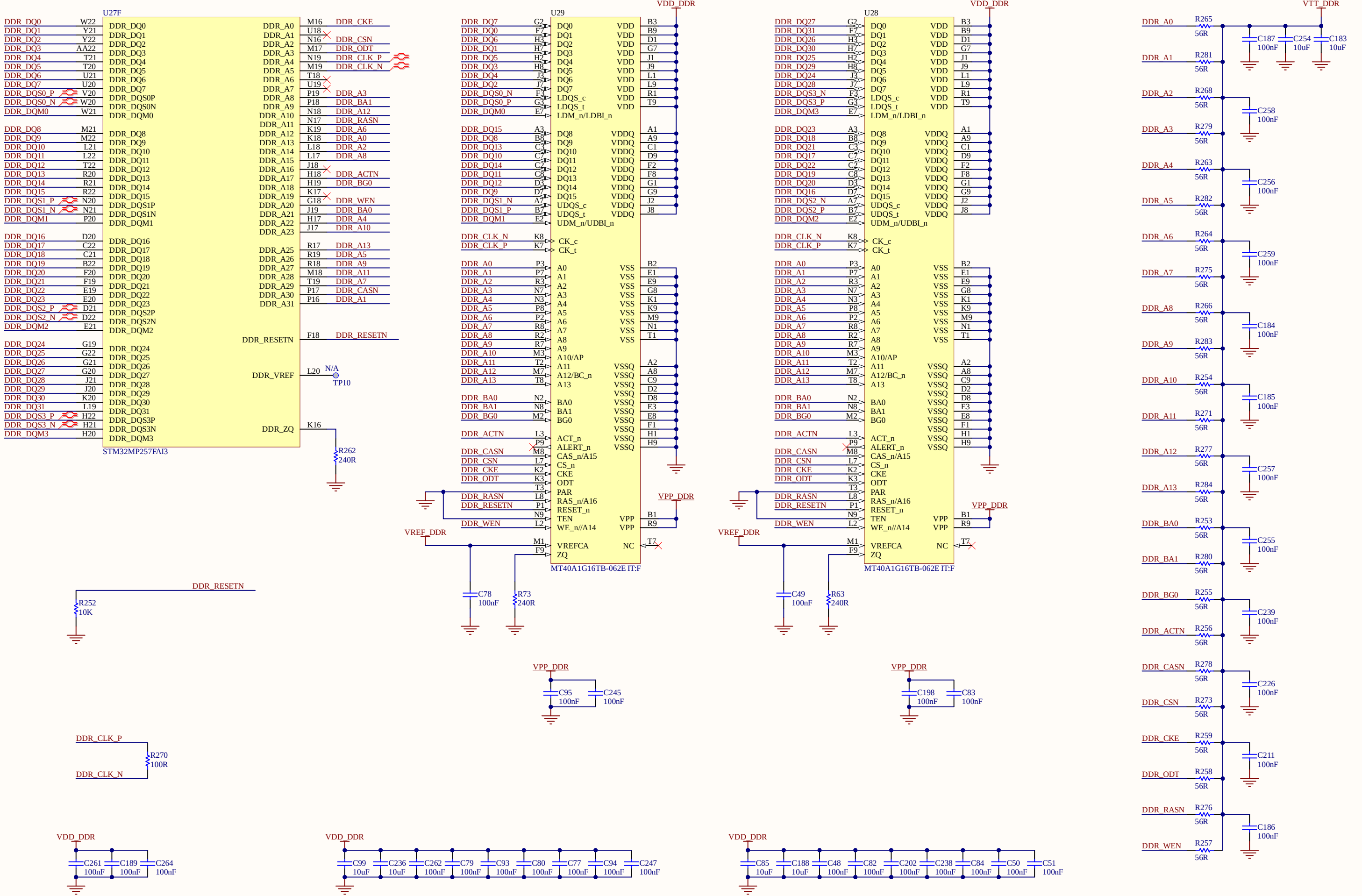


Typical Power supply source:
-5V_DC (3A min)

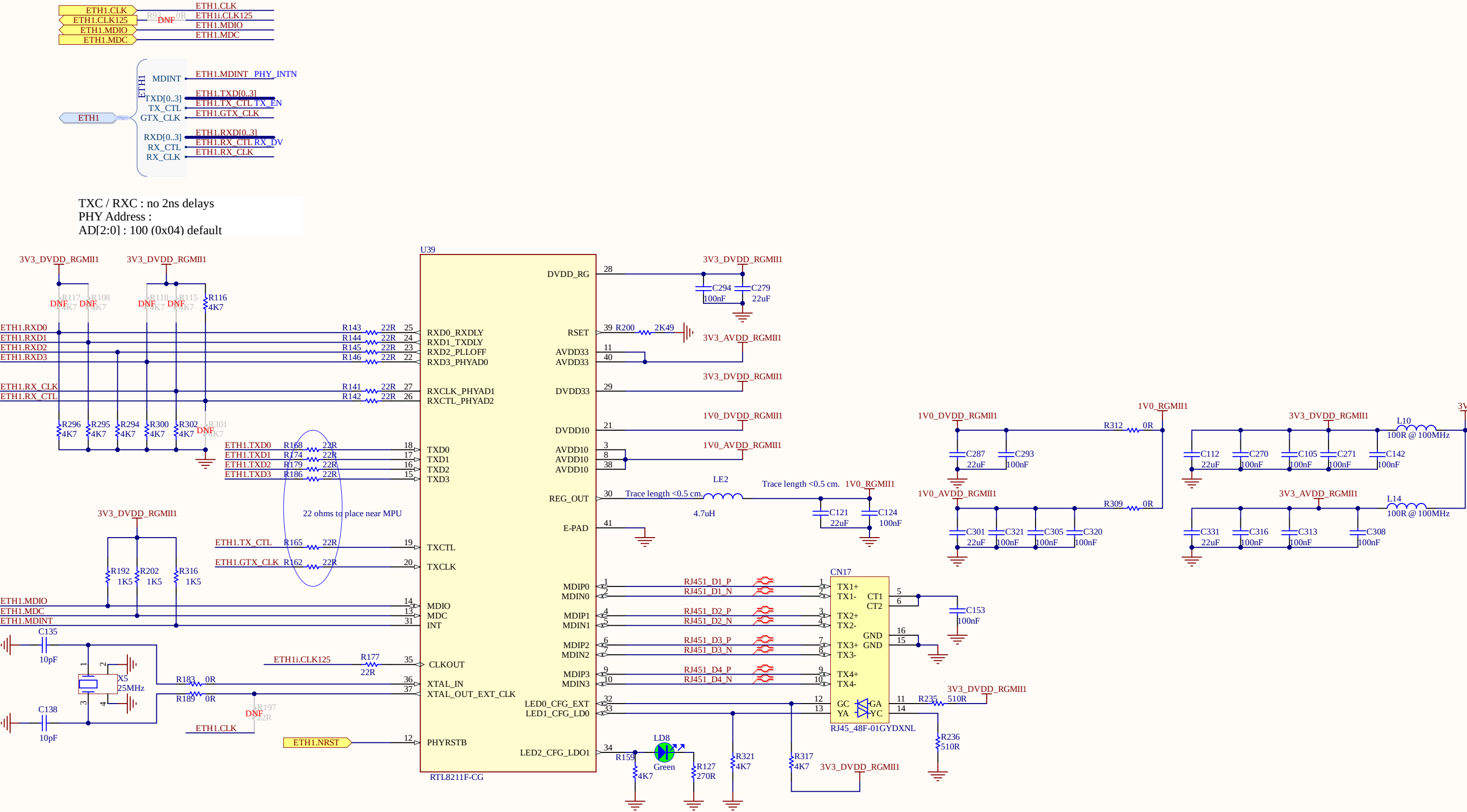


TP22
20-2137

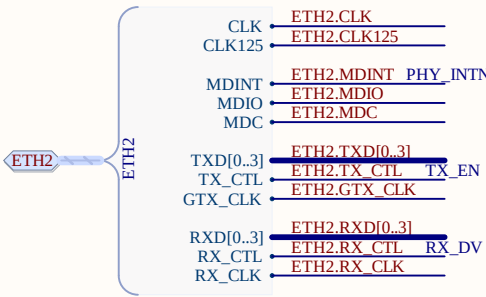




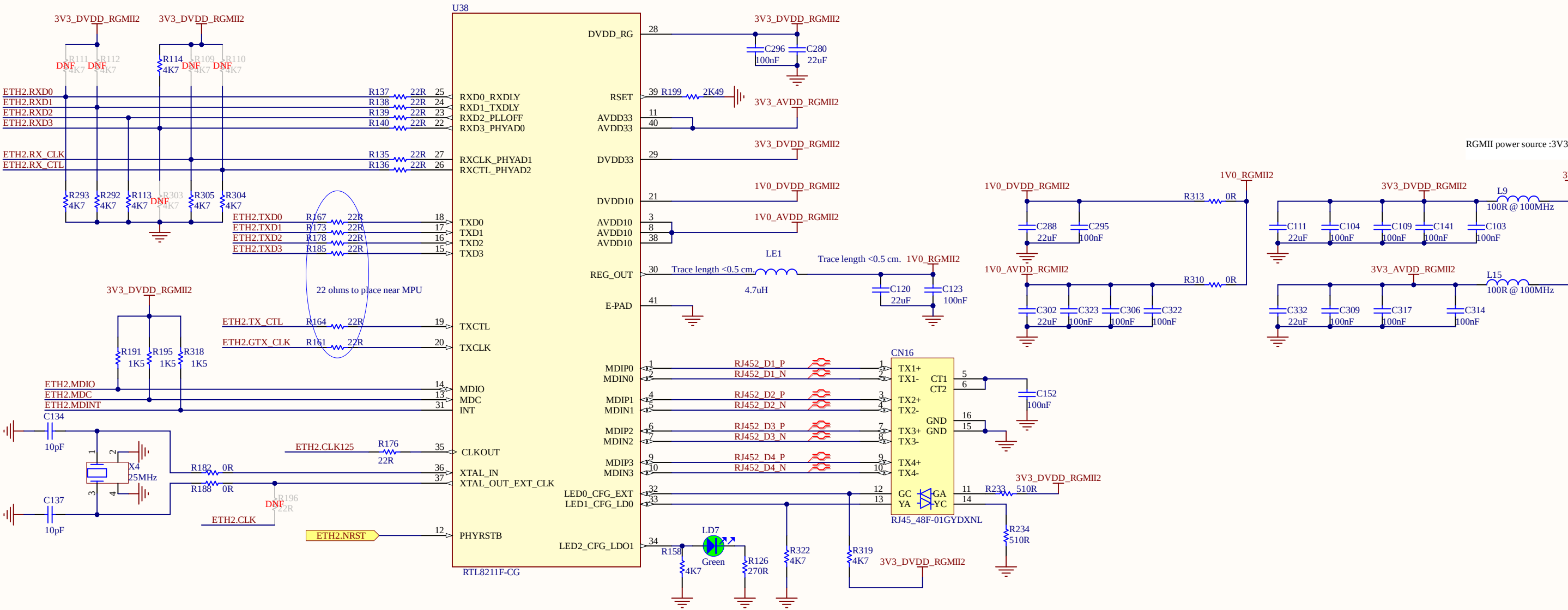
RGMII ETH1



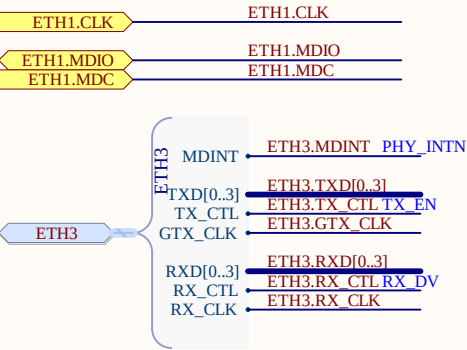
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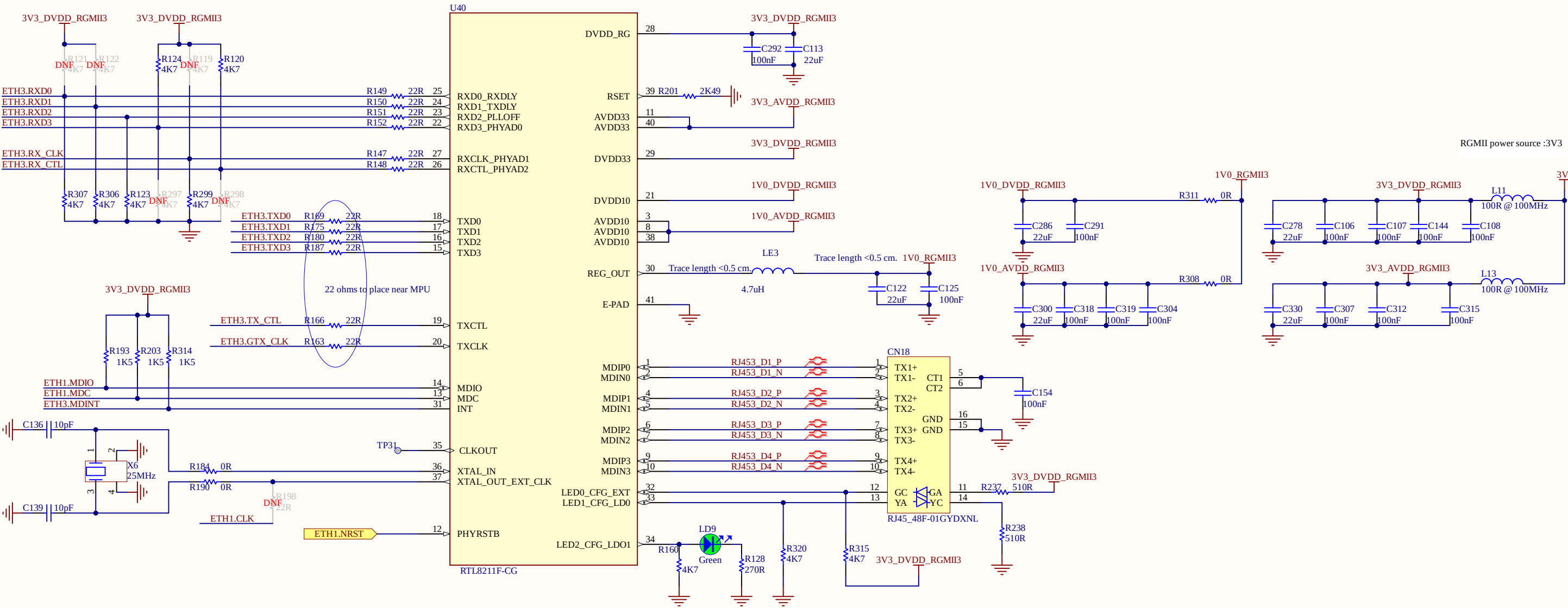
TXC / RXC : no 2ns delays
PHY Address :
AD[2:0] : 001 (0x01) default

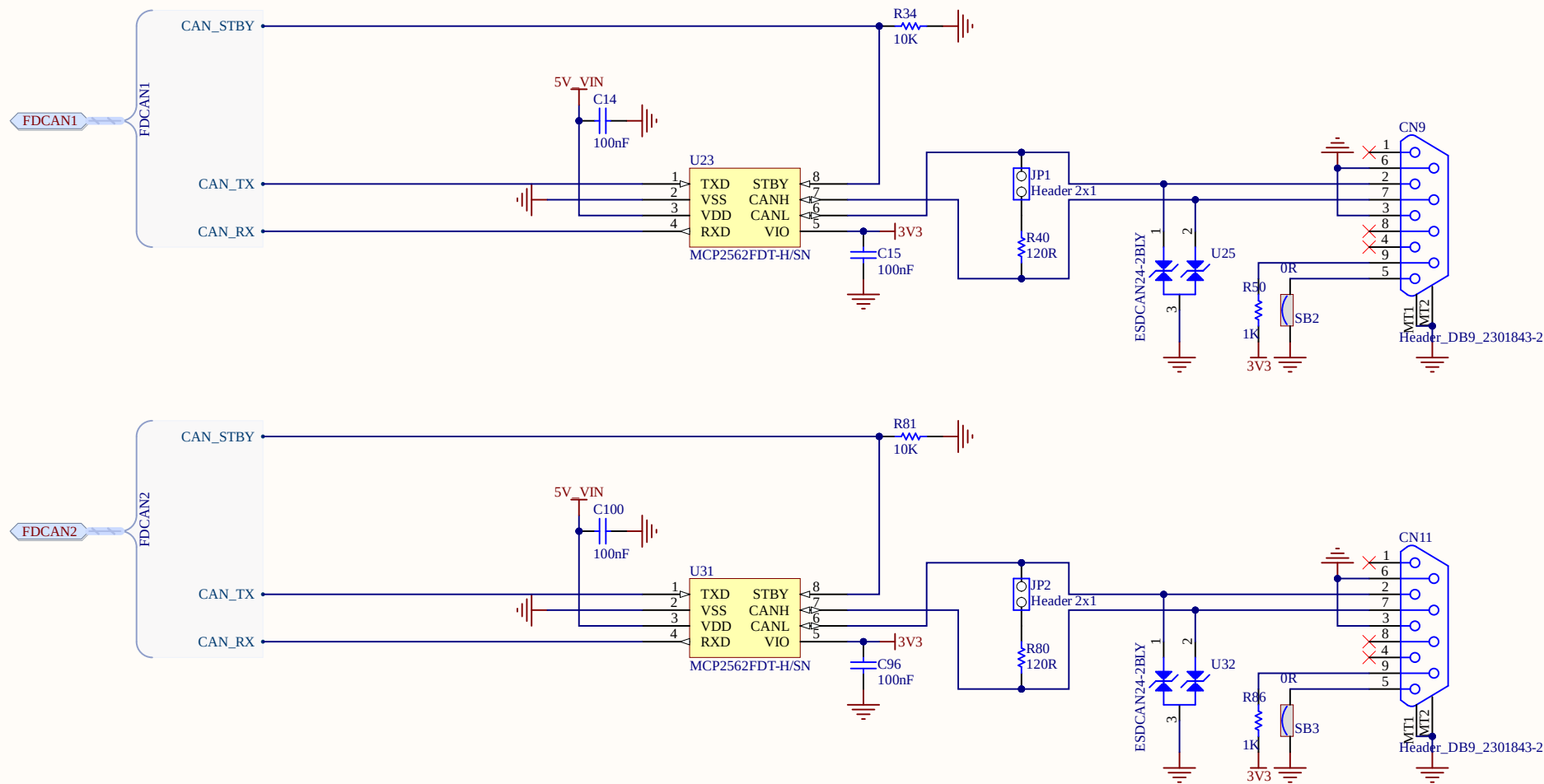


RGMII ETH3

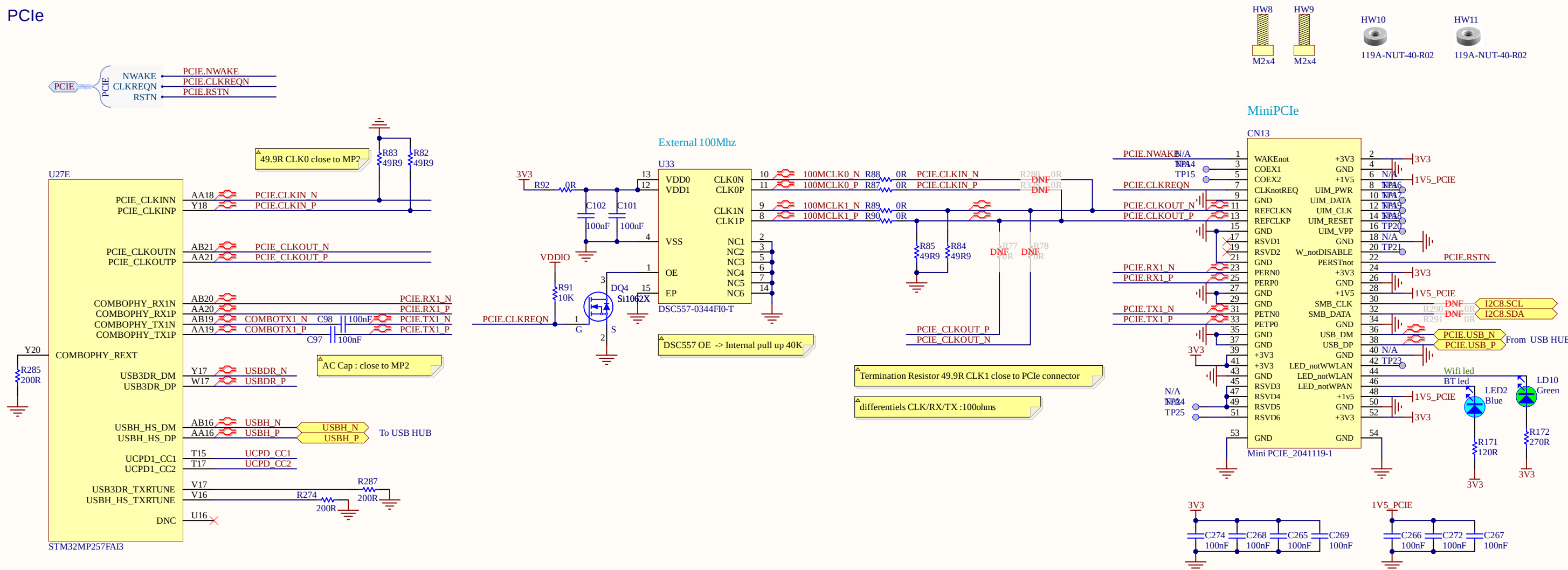


TXC / RXC : no 2ns delay
PHY Address :
AD[2:0] : 101 (0x05) default



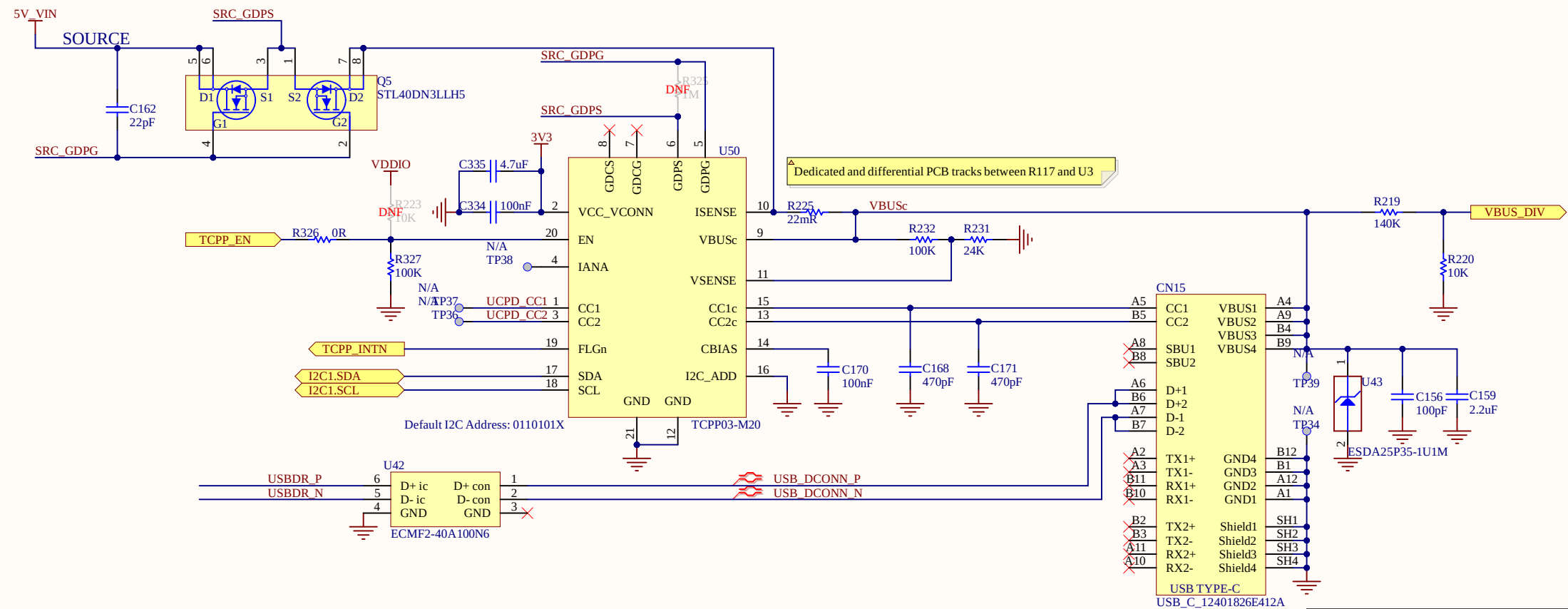


PCIe



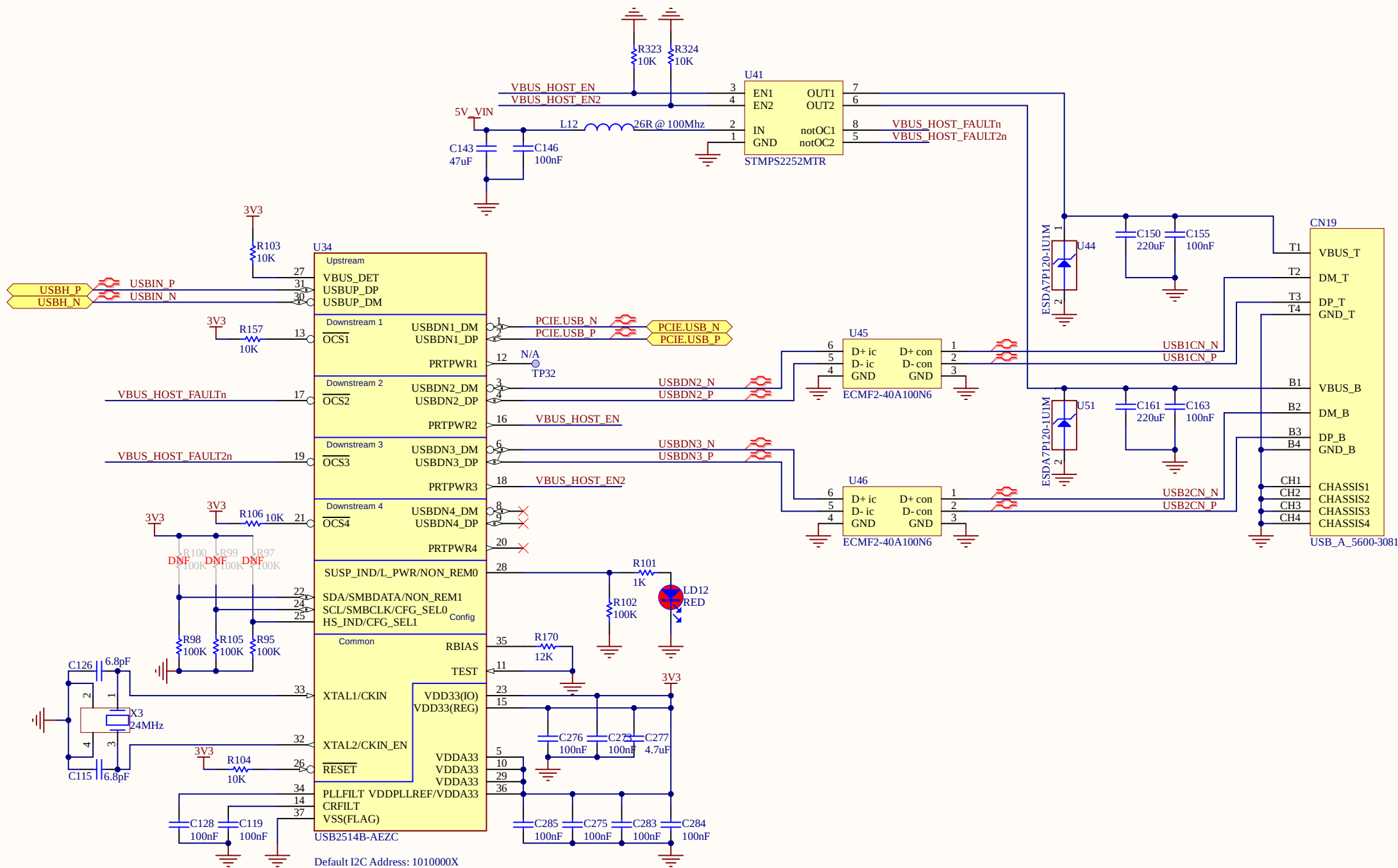
USB_DRD

Source/Sink(with sink current=0)

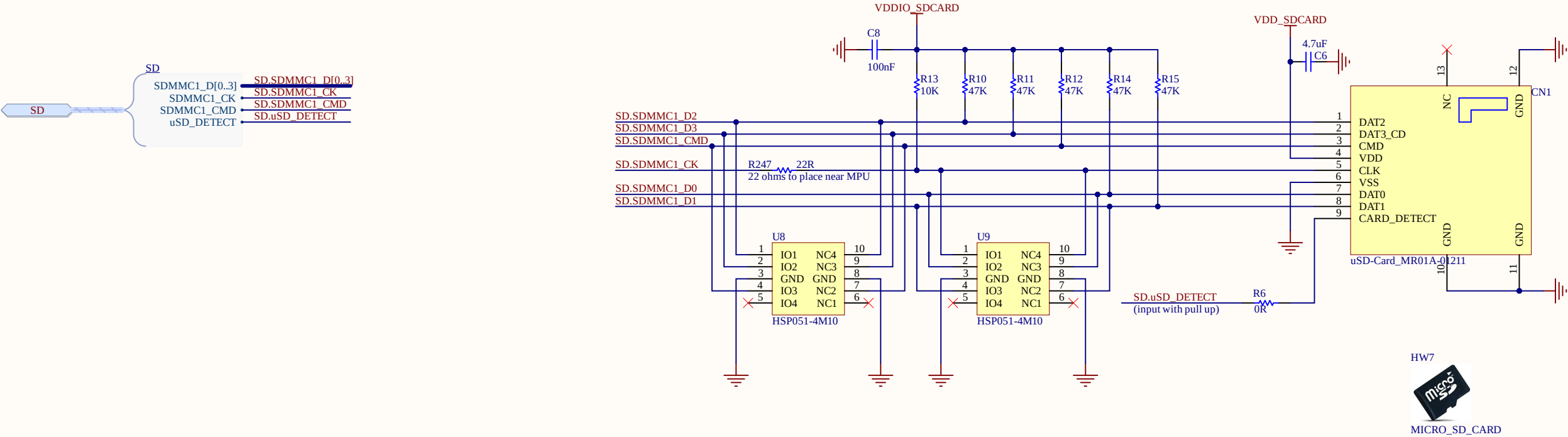


Title: USB_PCIe			
Project: STM32MP257F-EV1			
Variant: MP257F_X			
Revision: D-02		Reference: MB1936	
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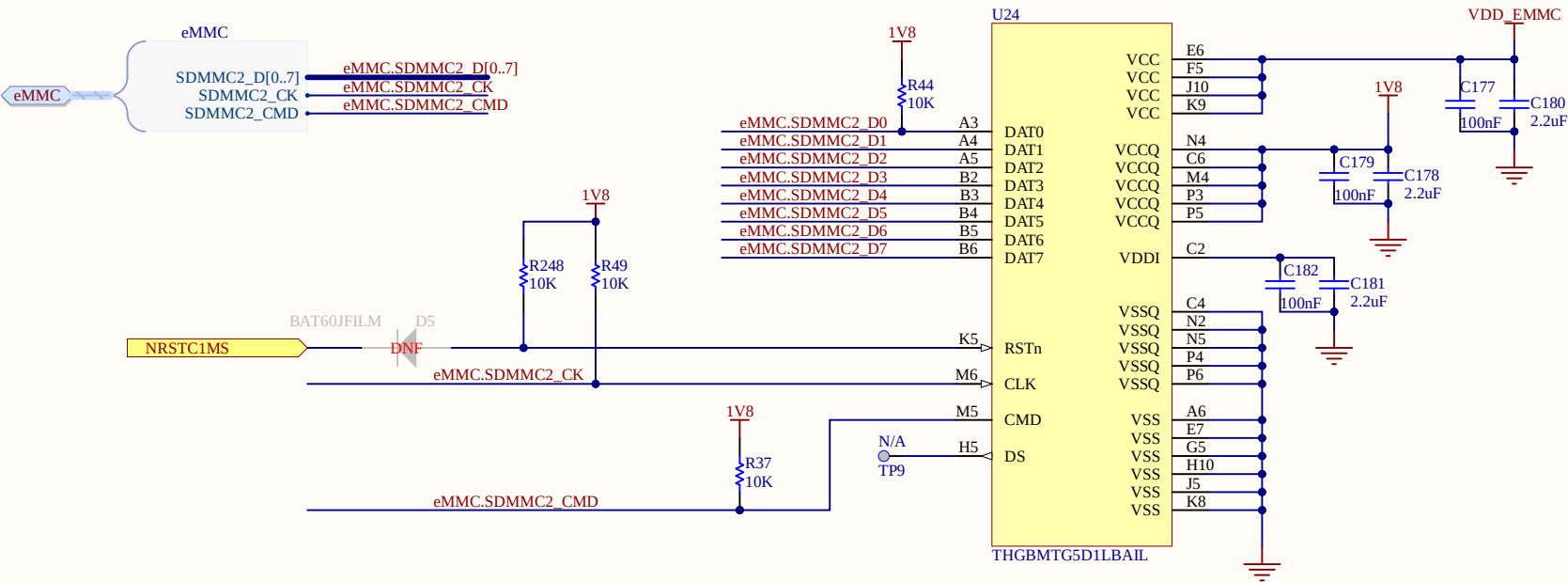
USB_HUB



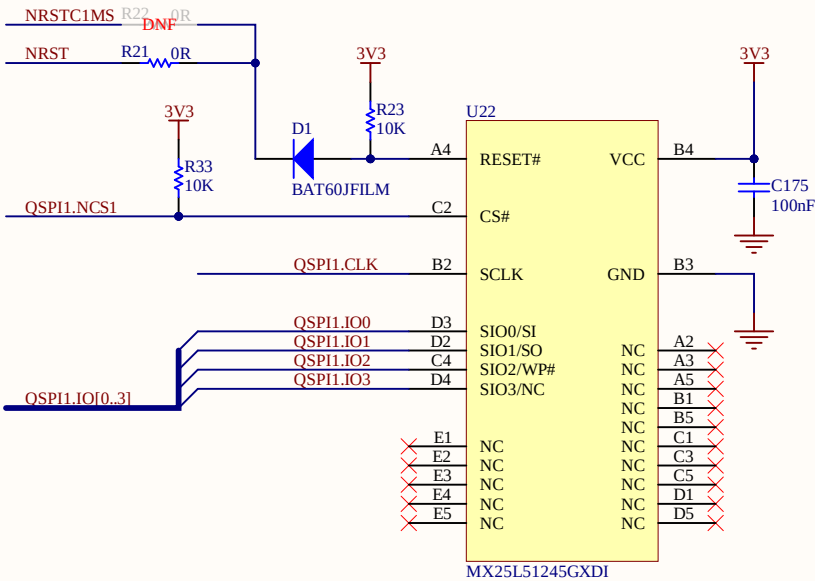
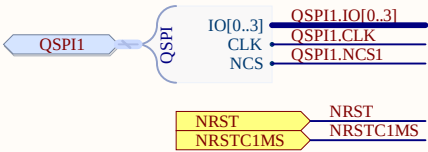
MICRO SD CARD



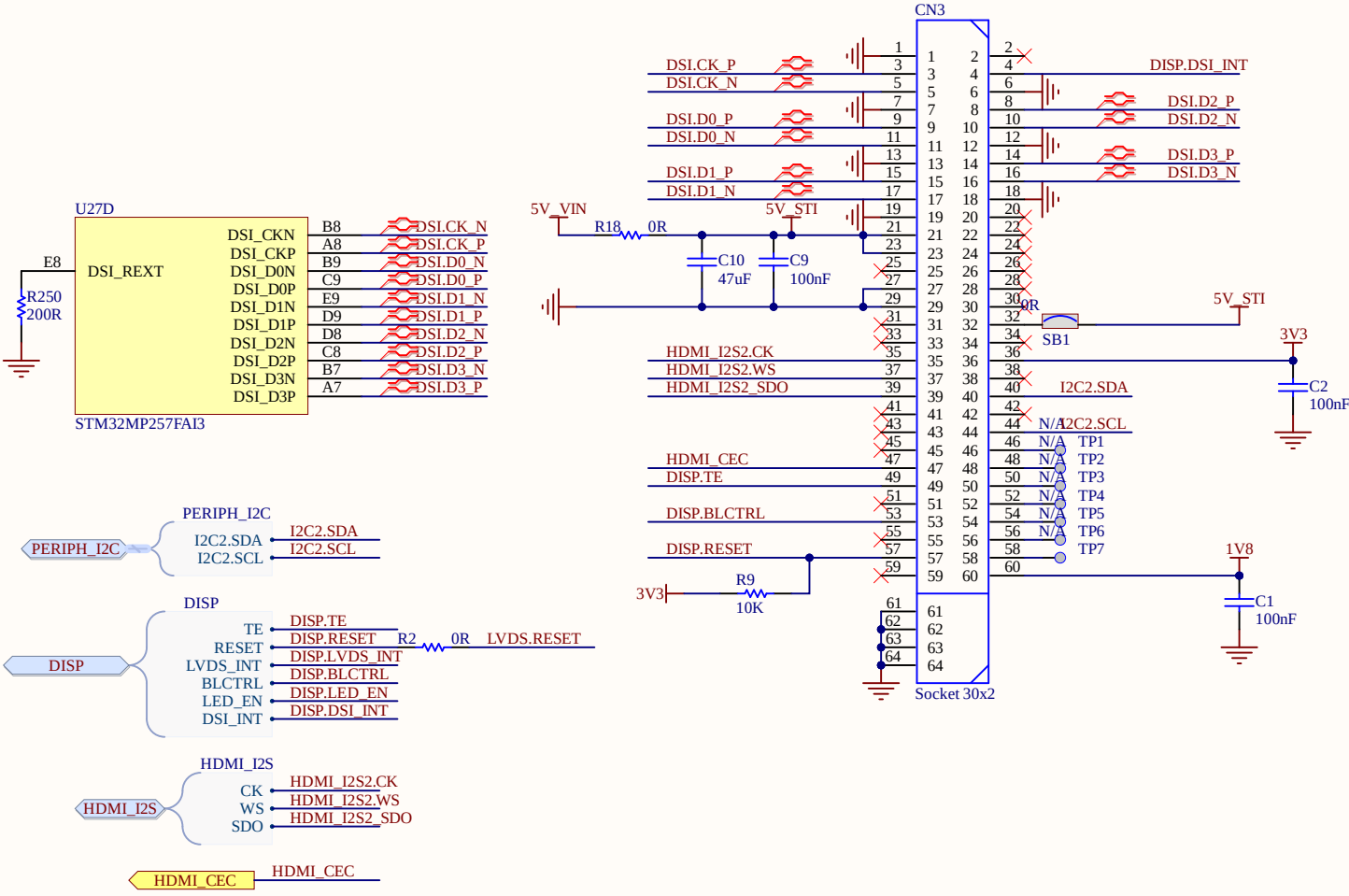
eMMC



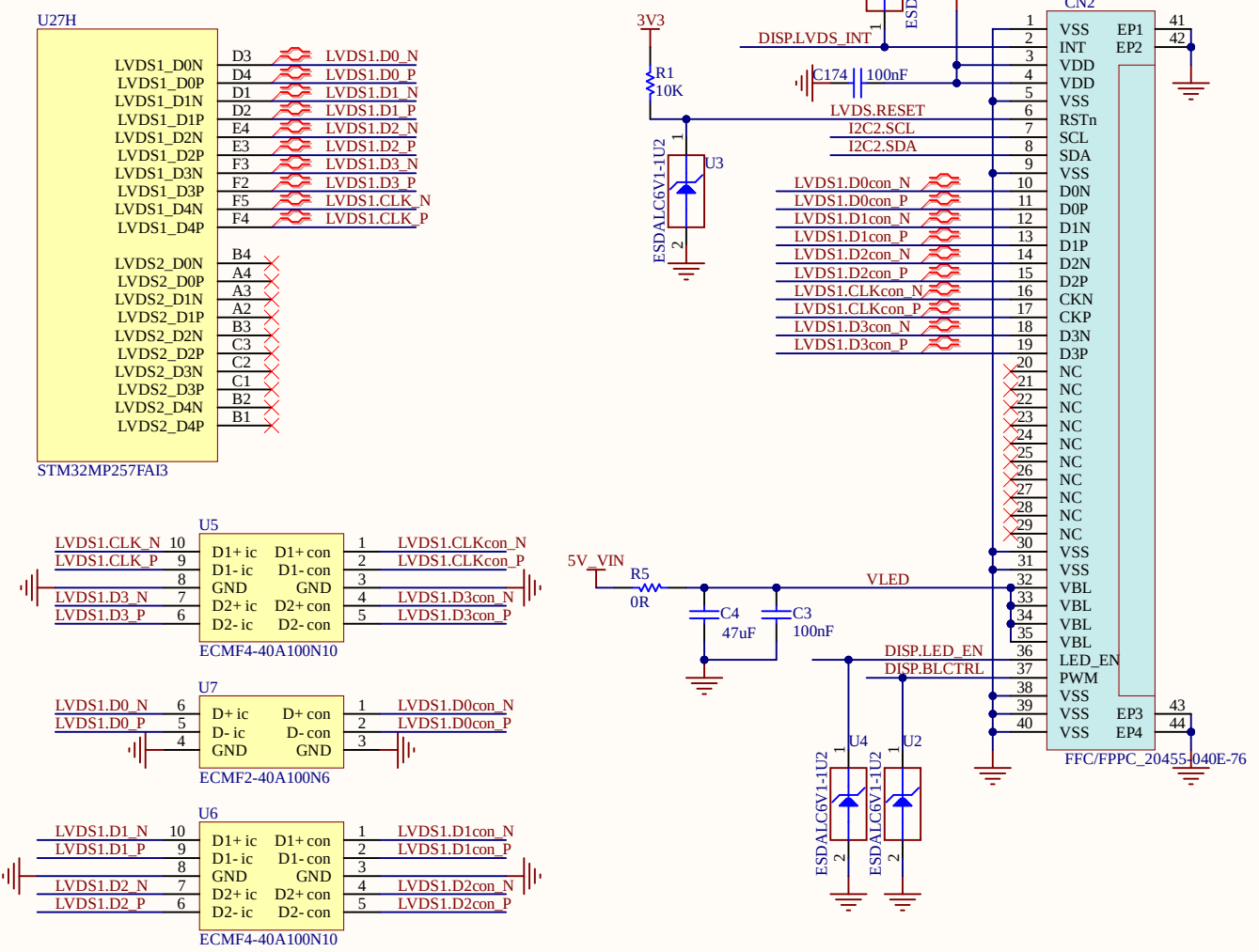
Quad SPI Flash



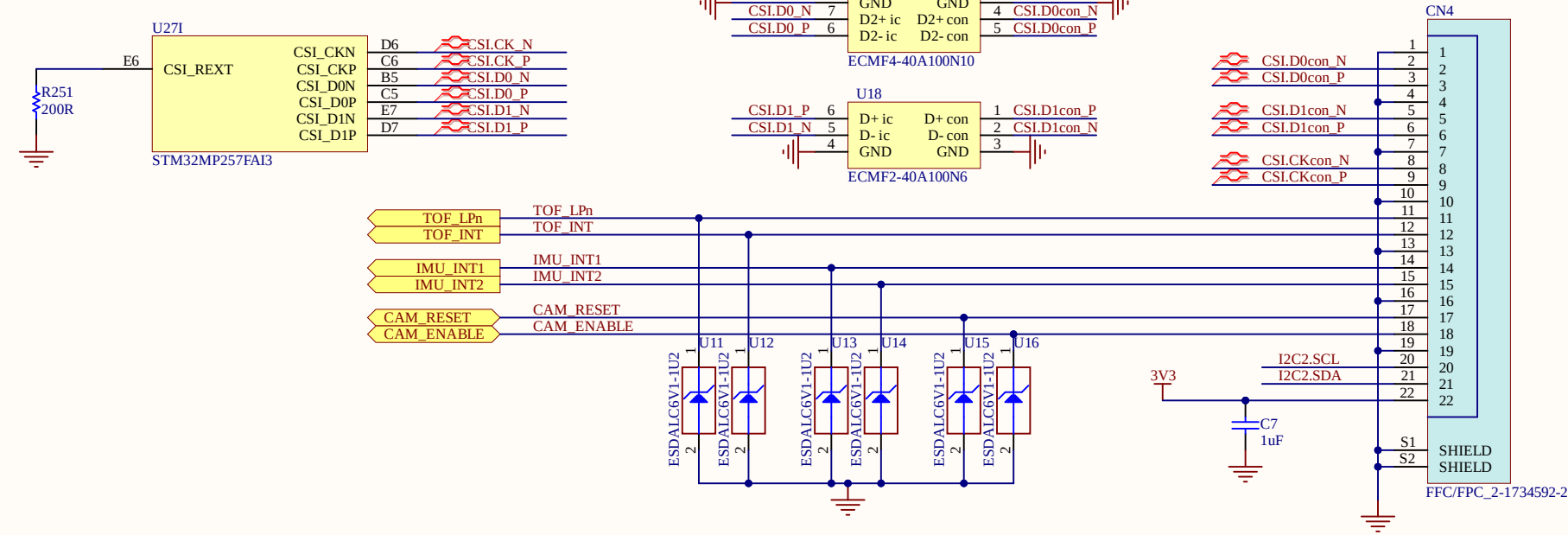
DSI - HDMI



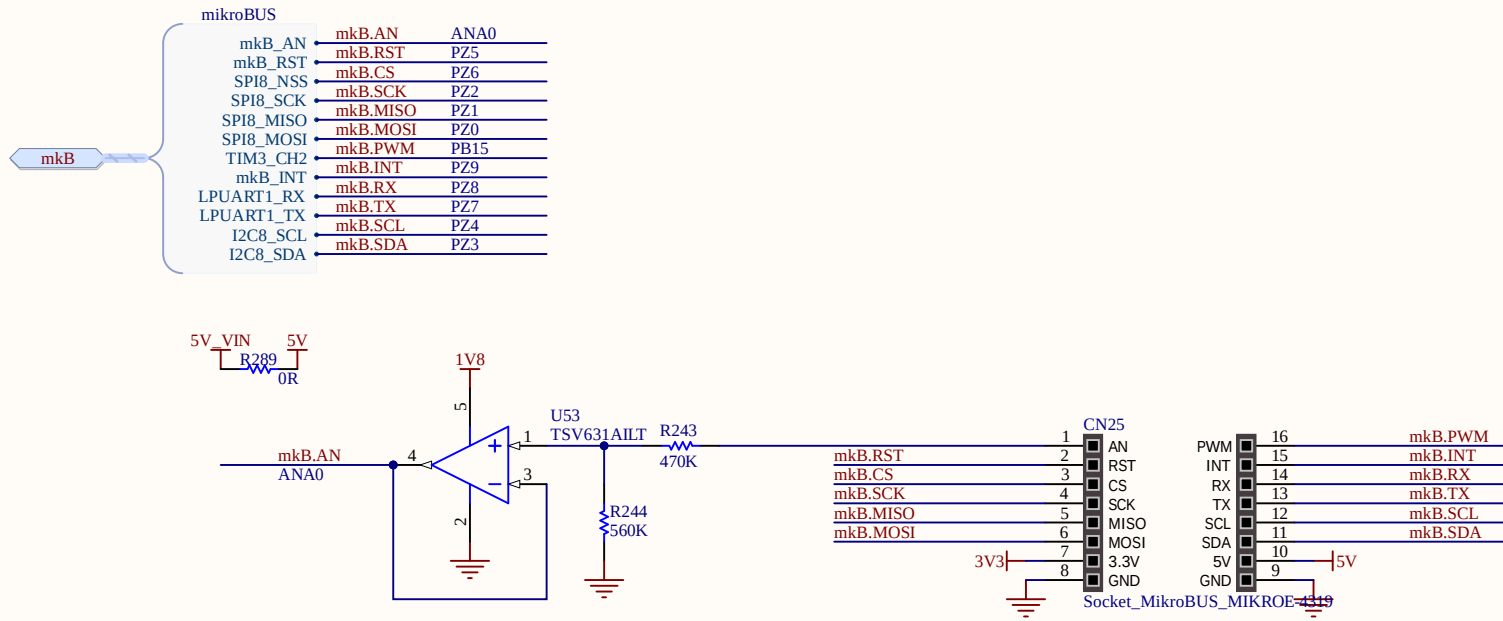
LVDS



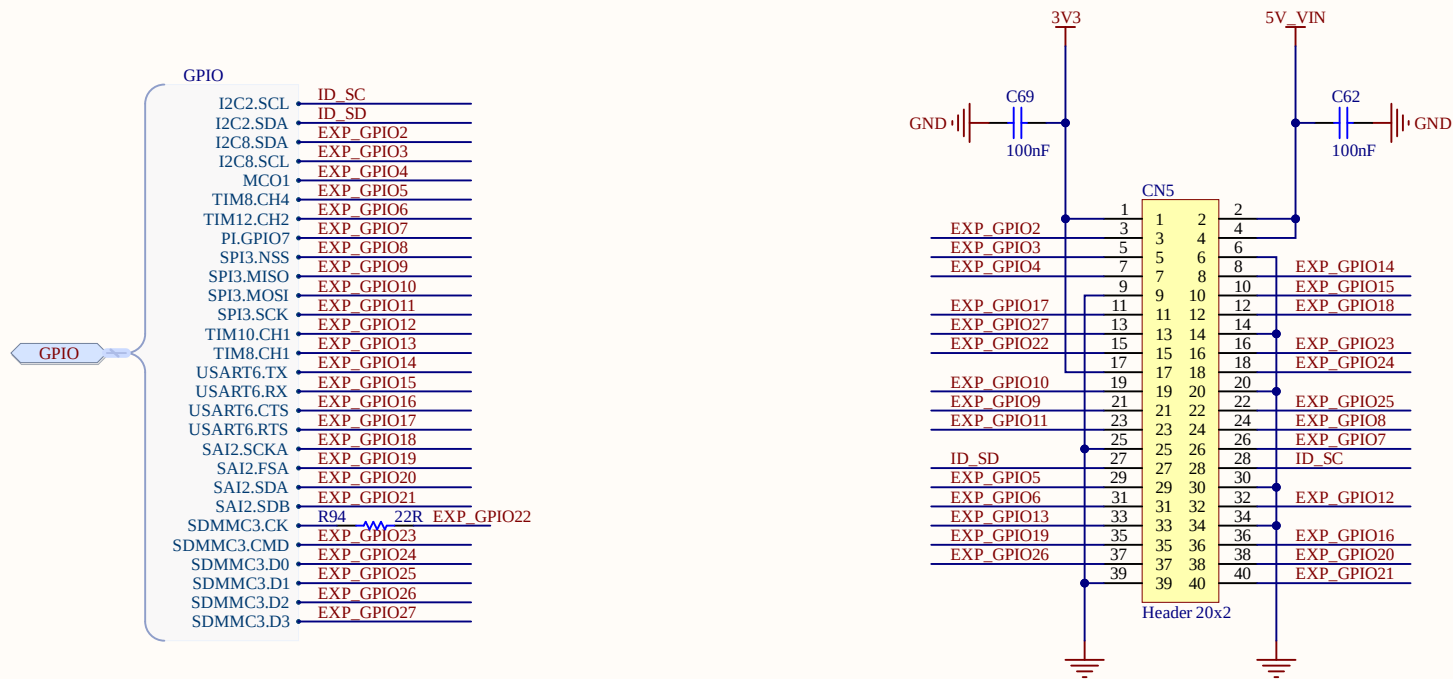
AI CAMERA



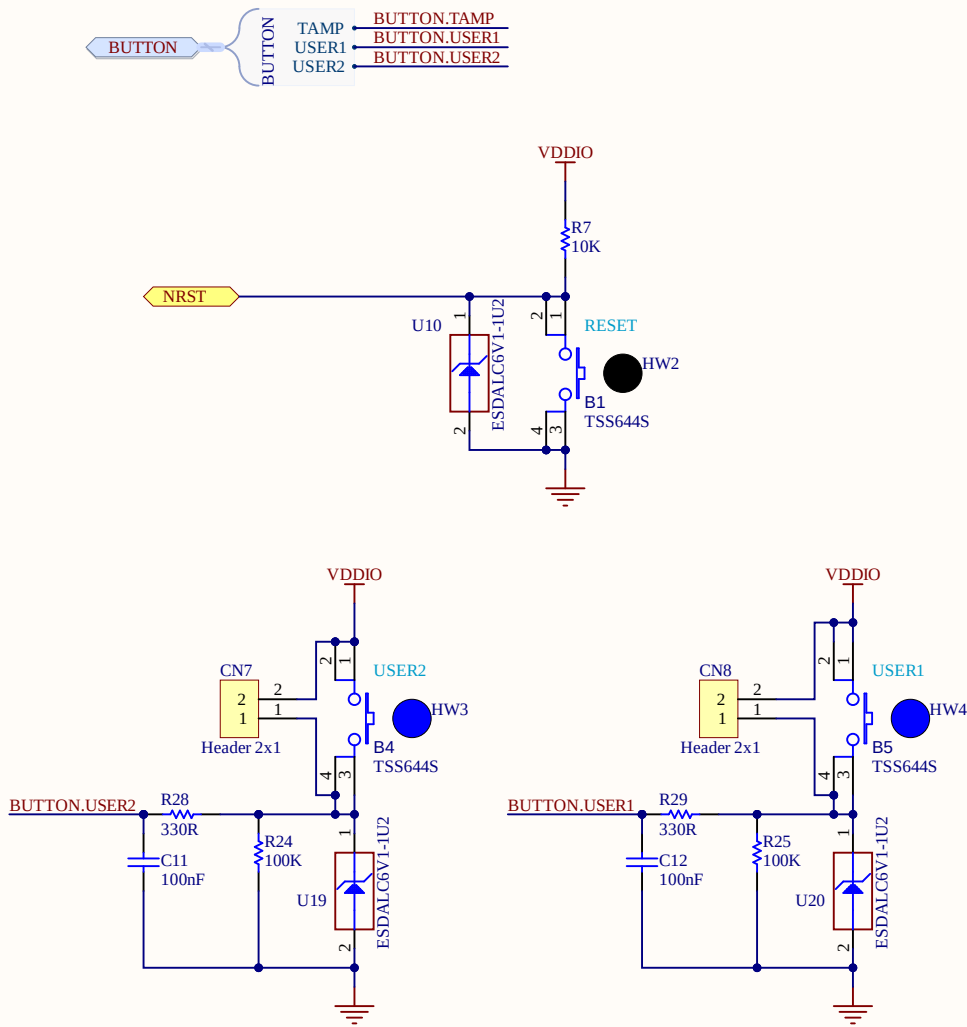
mikroBUS connector



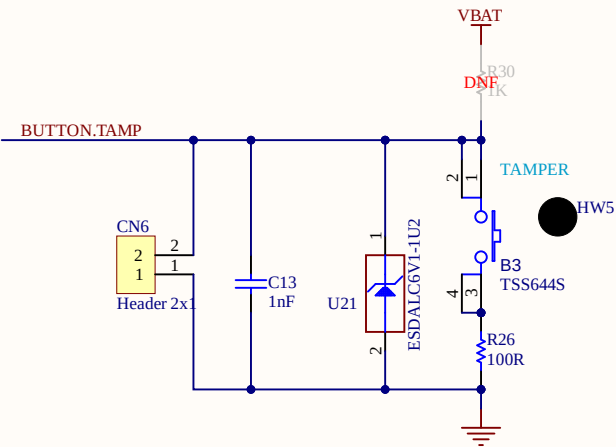
EXPANSION CONNECTOR



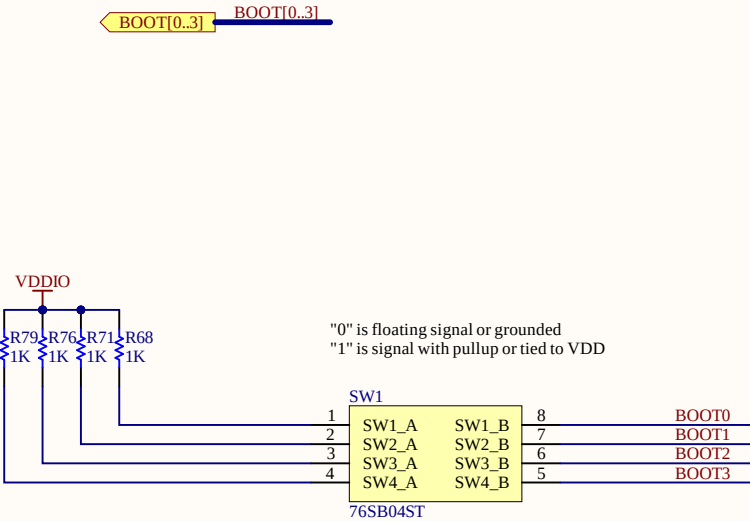
BUTTONS



TAMPER



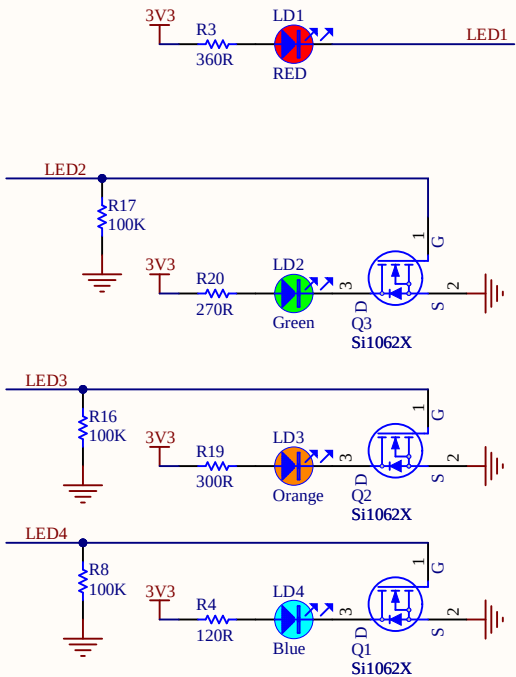
BOOT MODE



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



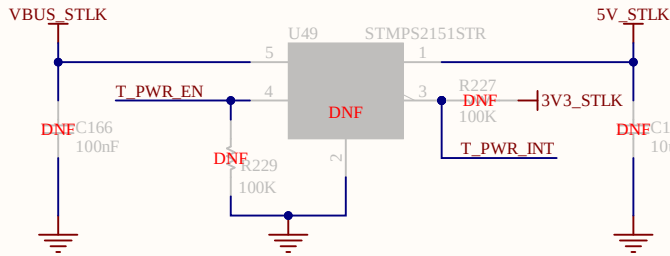
HW1302
BOARD CPN
N/A

HW1303
BOARD REF
N/A

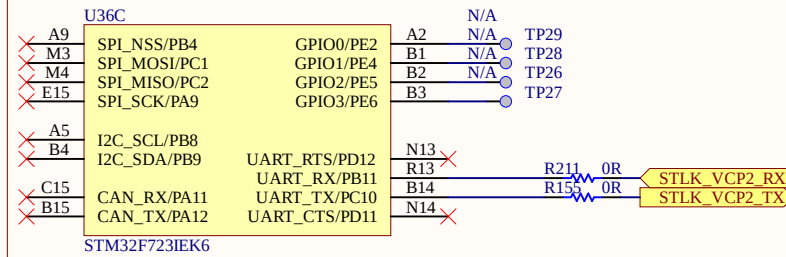
[illegible]

	T_PWR_SEL2/PD5	T_PWR_SEL1/PD4
PowerDefault.SNK (current limit: 550mA)	Hi-Z	Hi-Z
Power1.5.SNK (current limit: 1.66A)	Hi-Z	0
Power3.0.SNK (current limit: 3.2A)	0	0

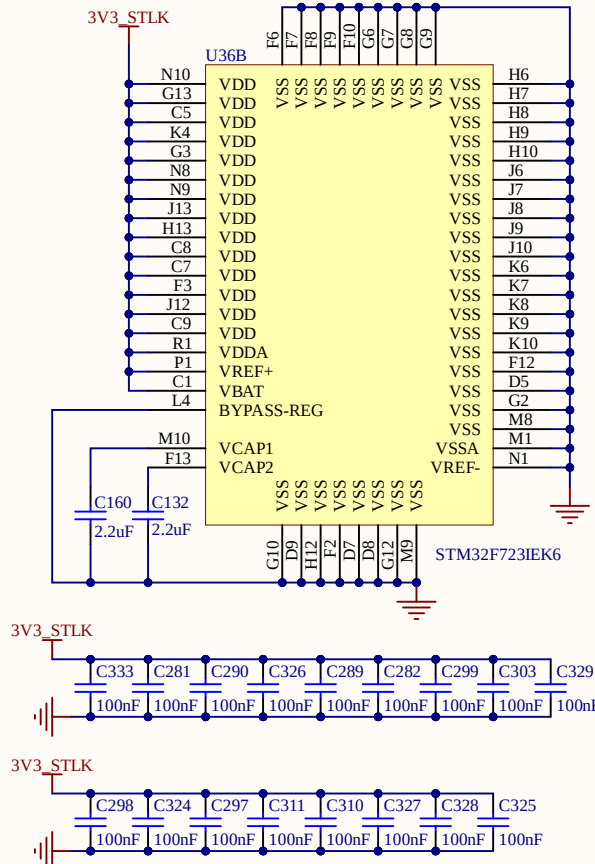
STMP52151STR is backup of the TPS259535DSG

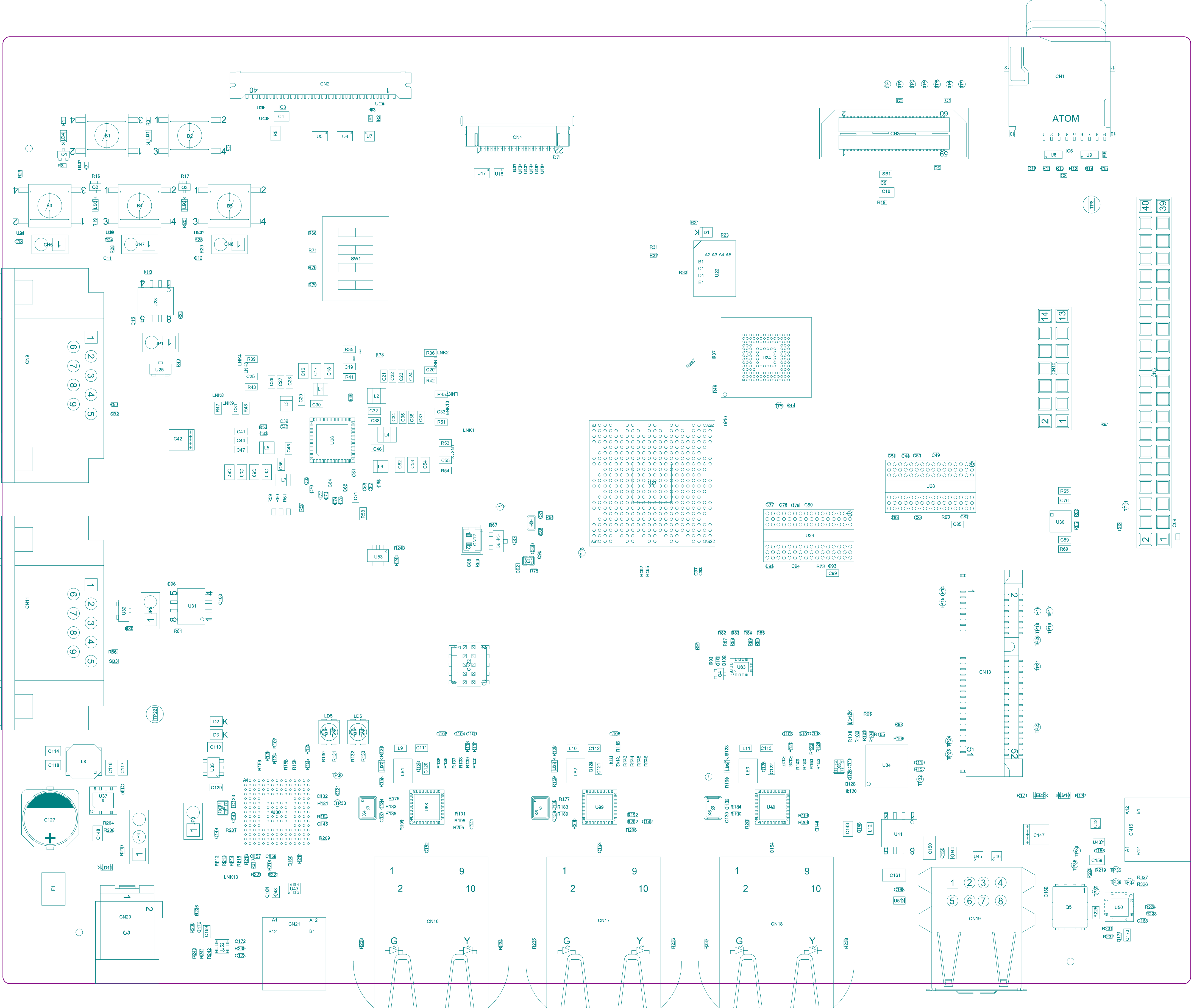


ST-LINKV3E Bridges (SPI/I2C/CAN/USART/GPIOs)



STLINK MCU POWER





Project: STM32MP257F-EV1

Layer: M14-Top Assembly

Variant: MP257F_X

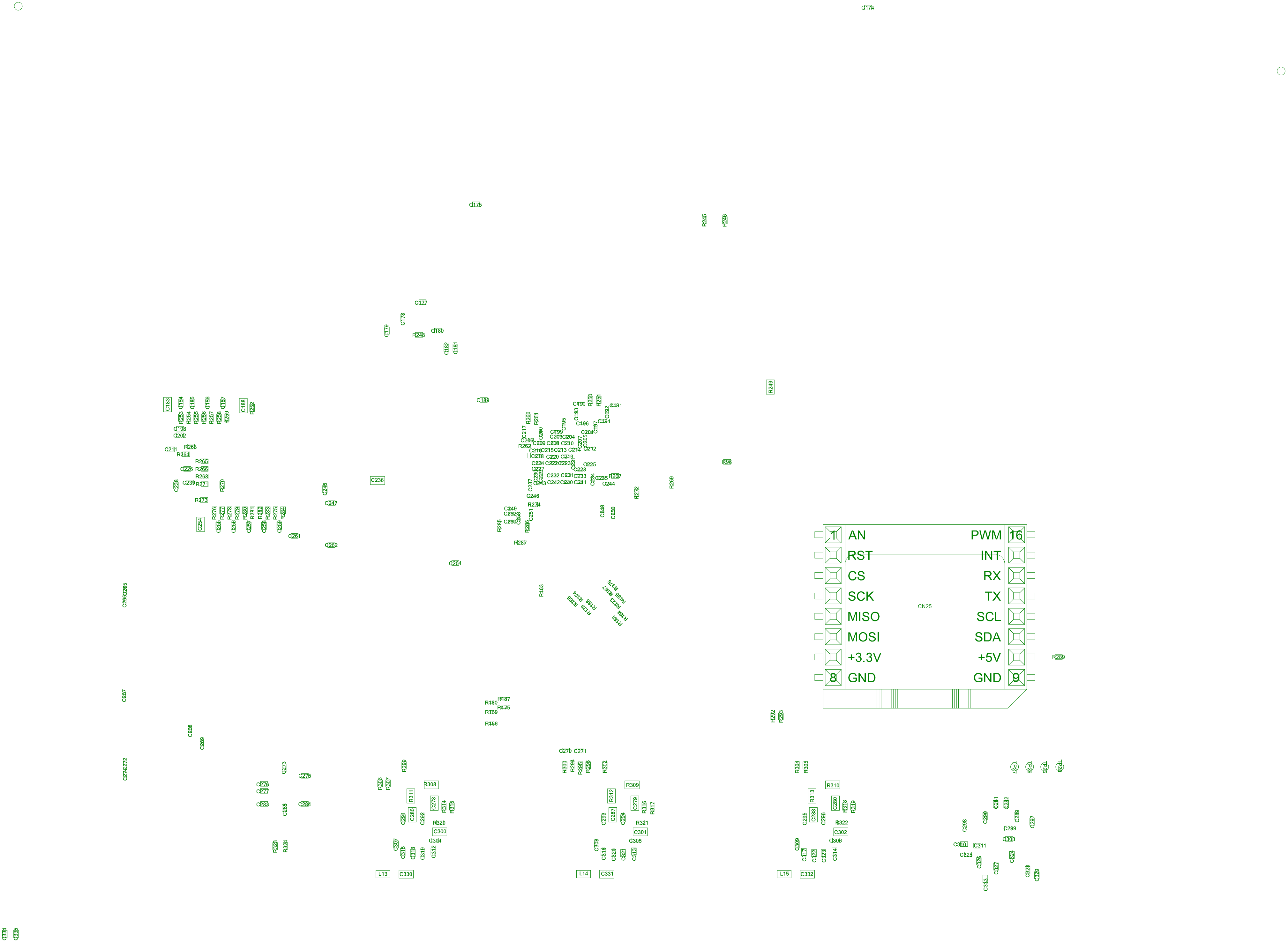
Date: 21-MAY-25

Gerber: .GM14

Ref: MB1936

Rev: D





Project: STM32MP257F-EV1

Layer: M15-Bottom Assembly

Variant: MP257F_X

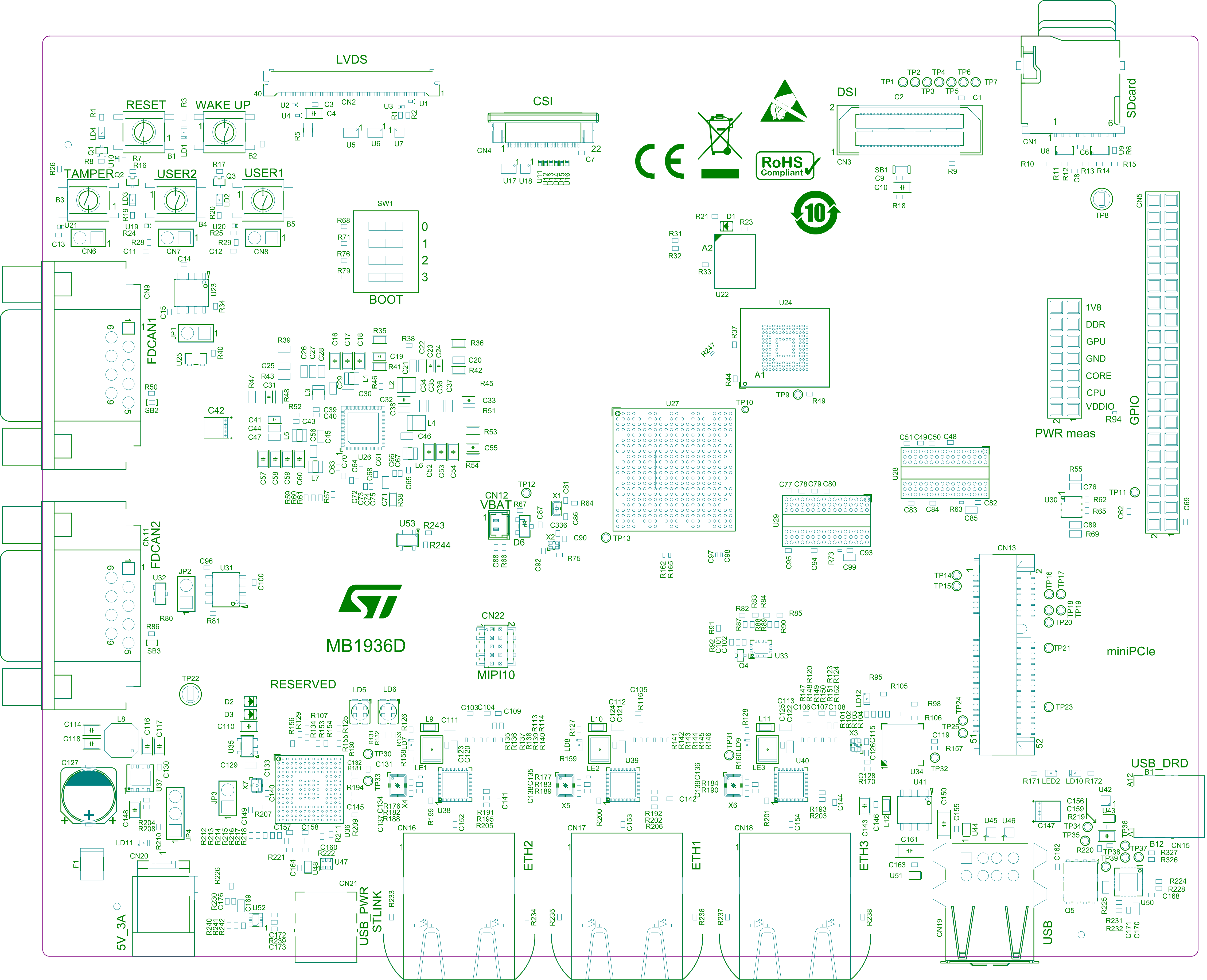
Date: 21-MAY-25

Gerber:.GM15

Ref: MB1936

Rev: D





Top Overlay

.GTO

