

STM32MP215-DK

MB2059

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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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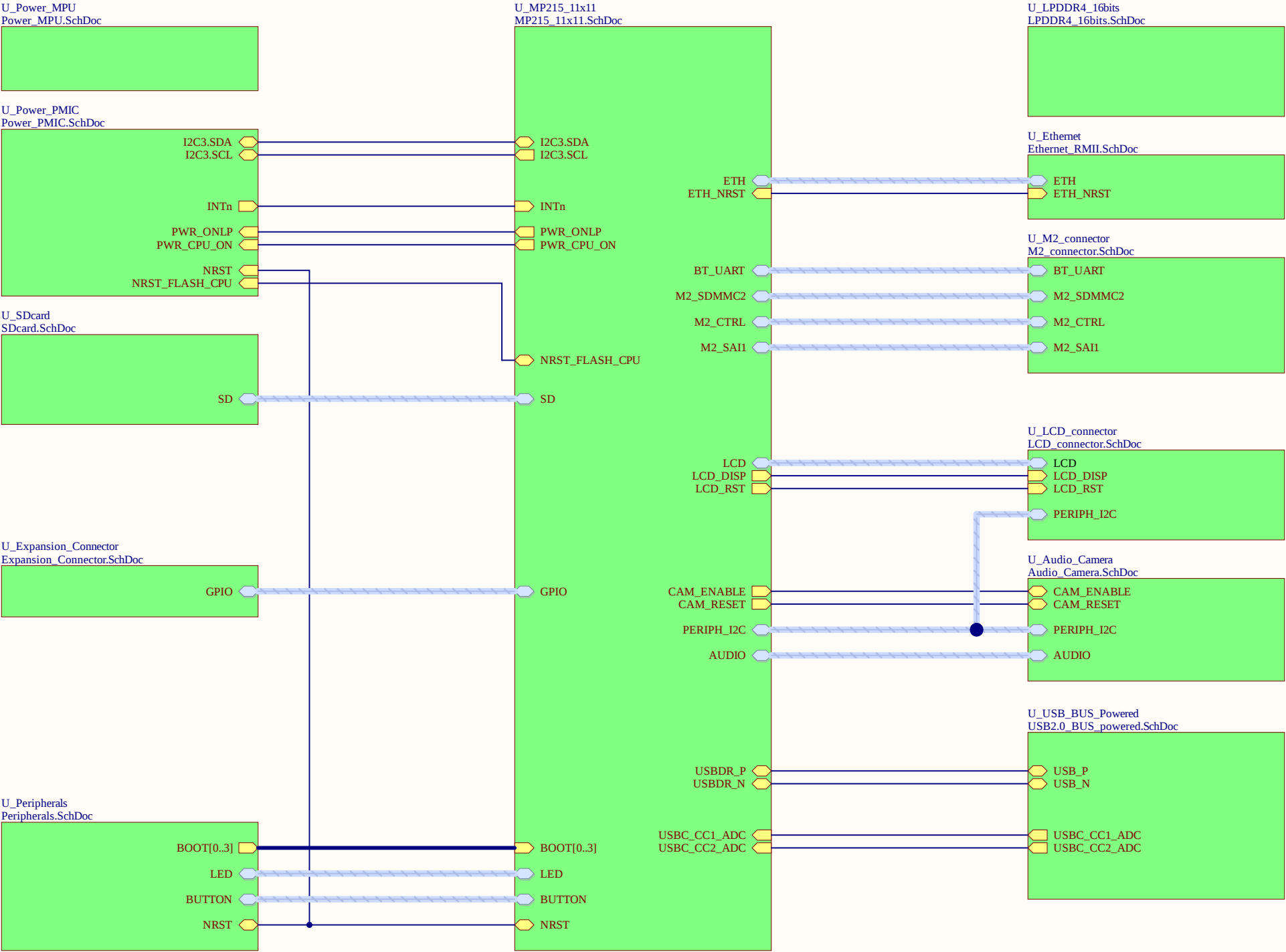
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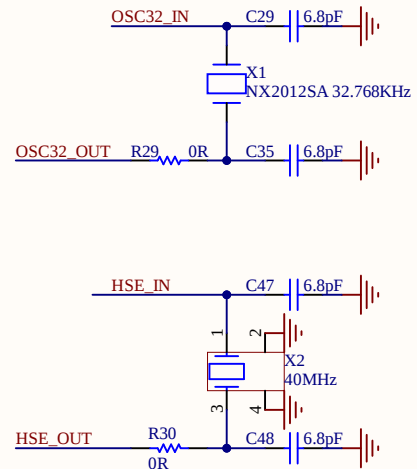
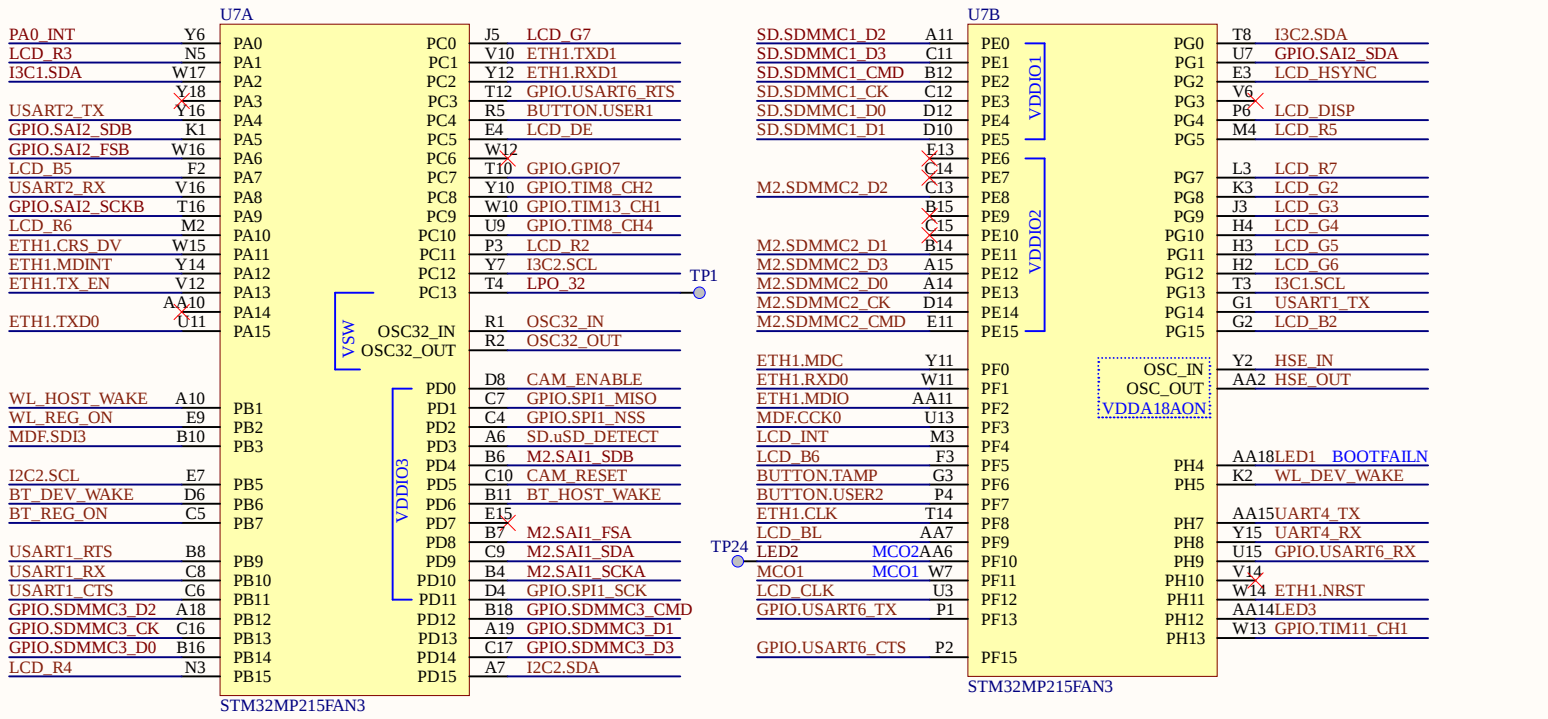
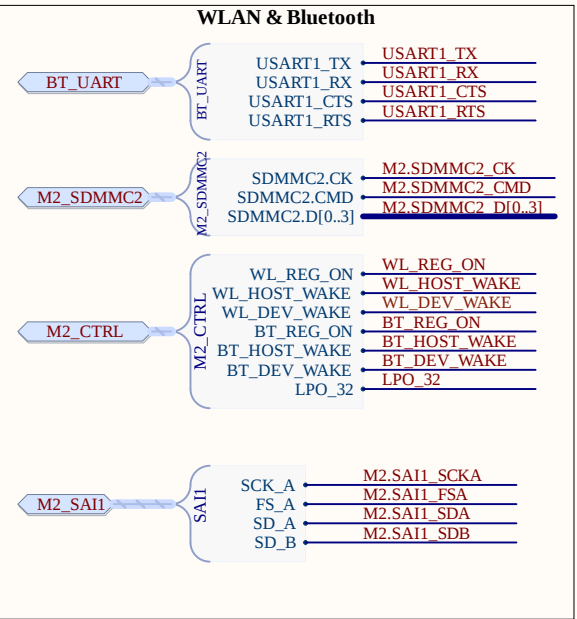
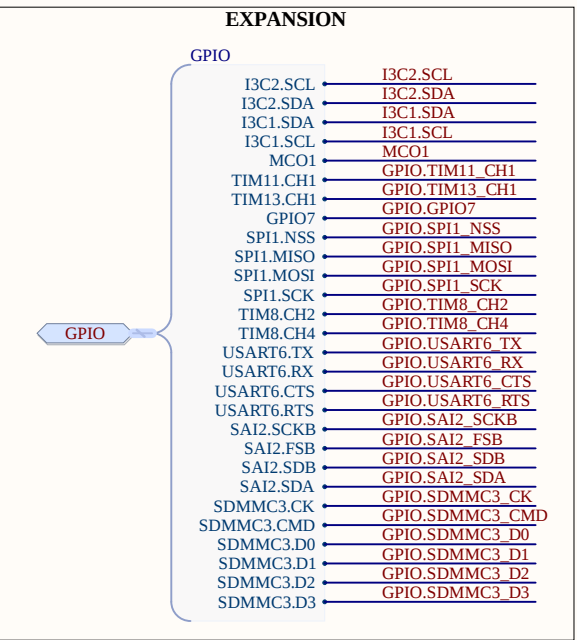
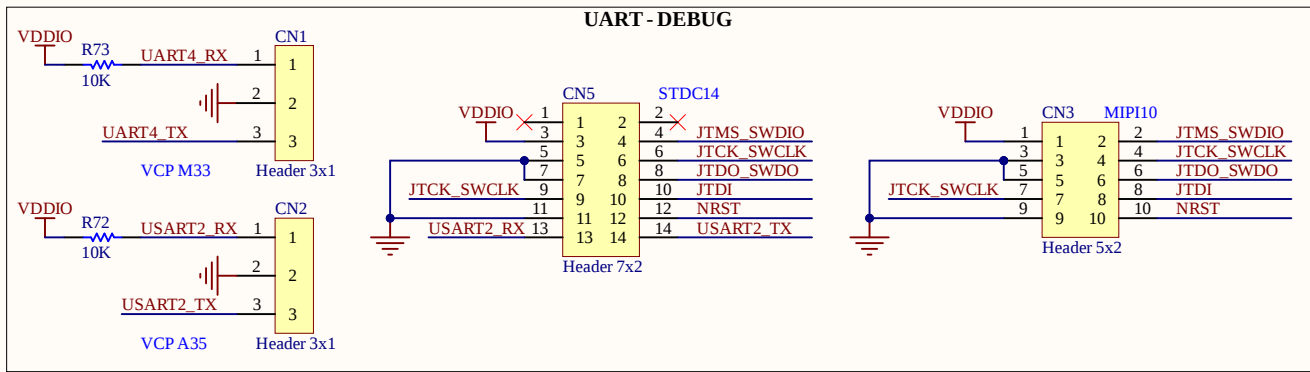
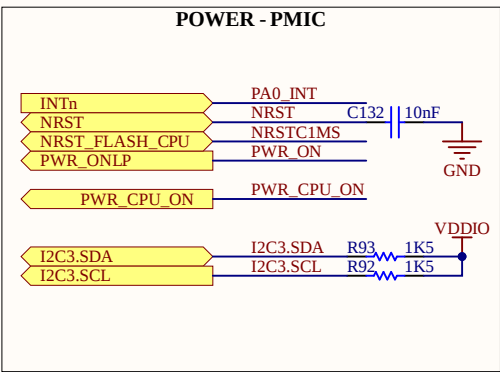
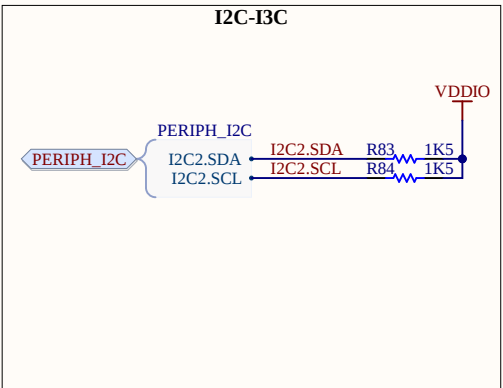
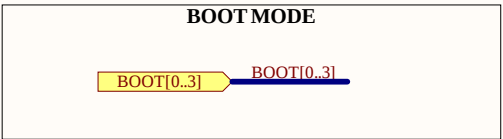
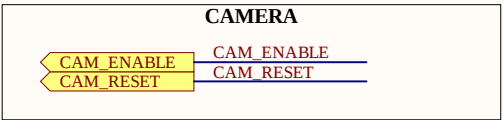
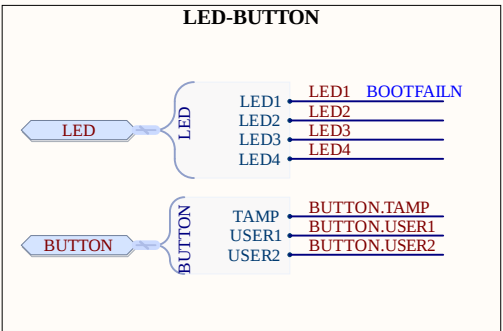
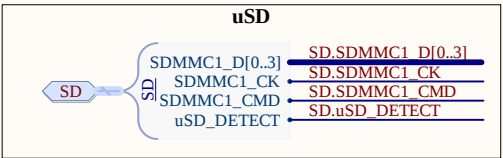
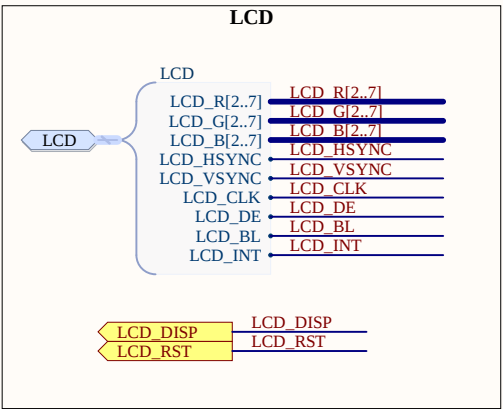
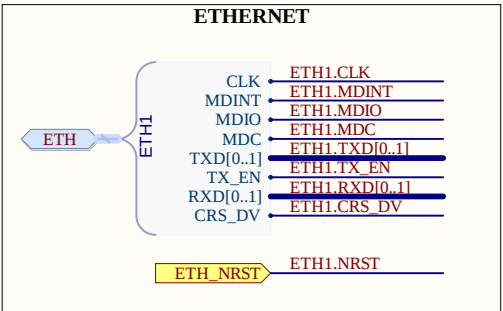
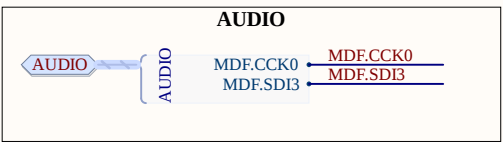
U_Top
Top.SchDoc

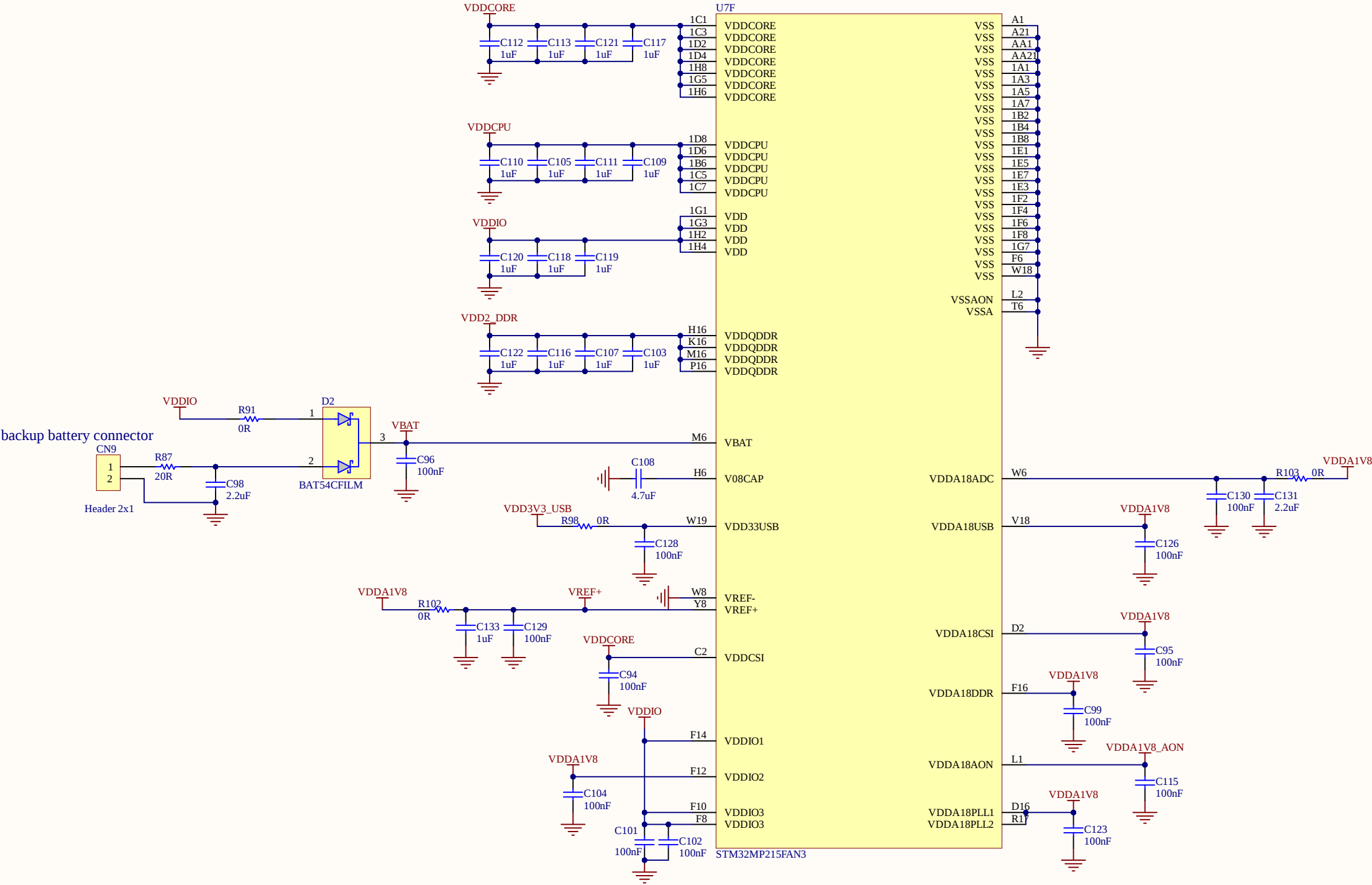


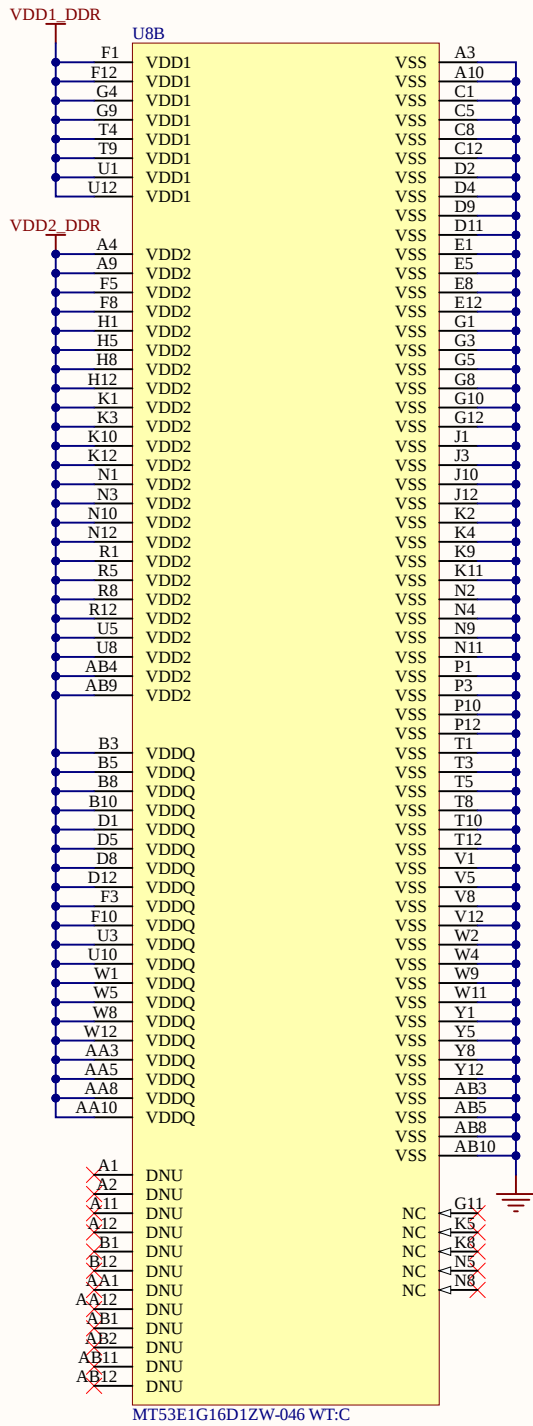
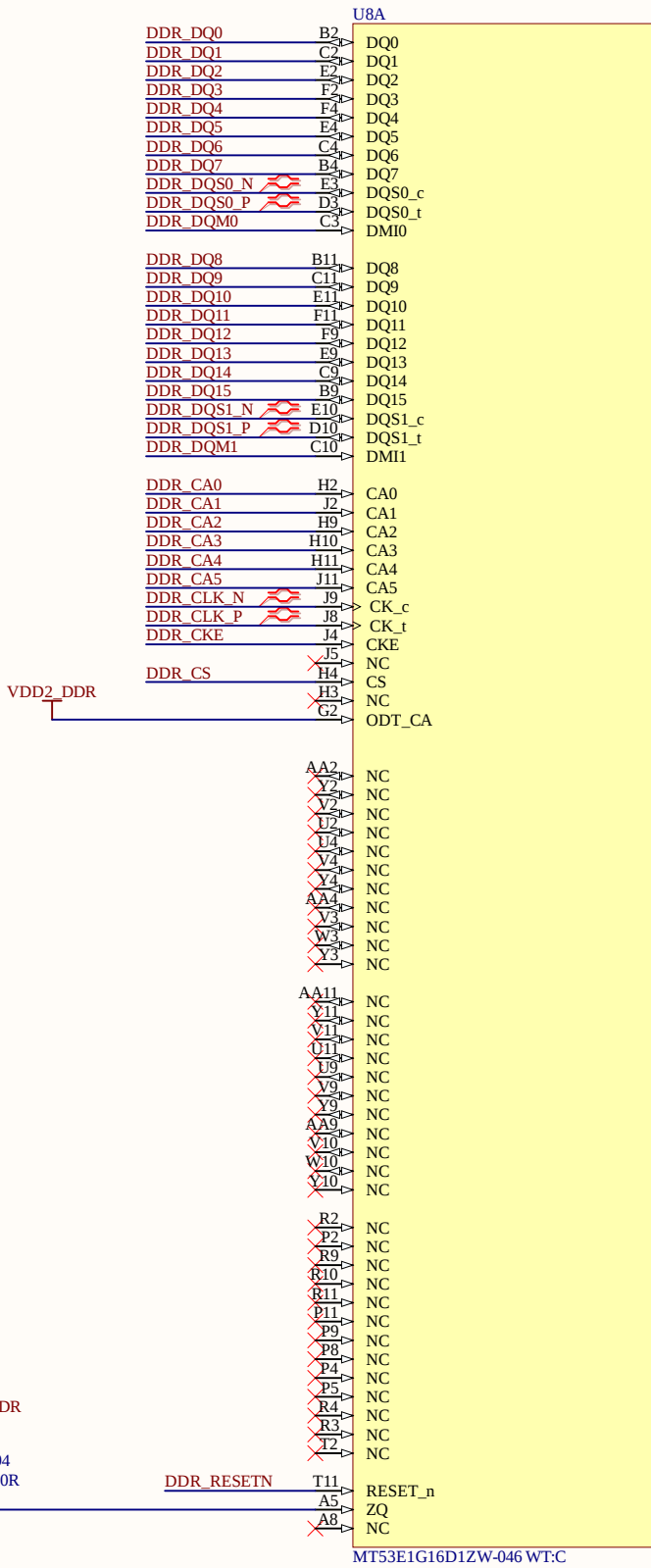
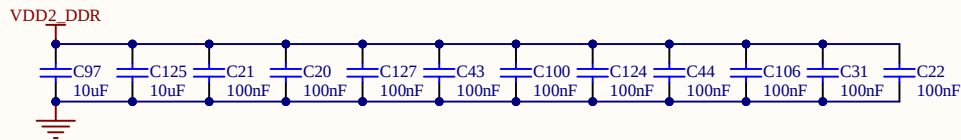
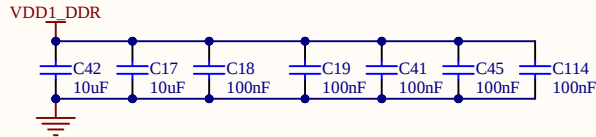
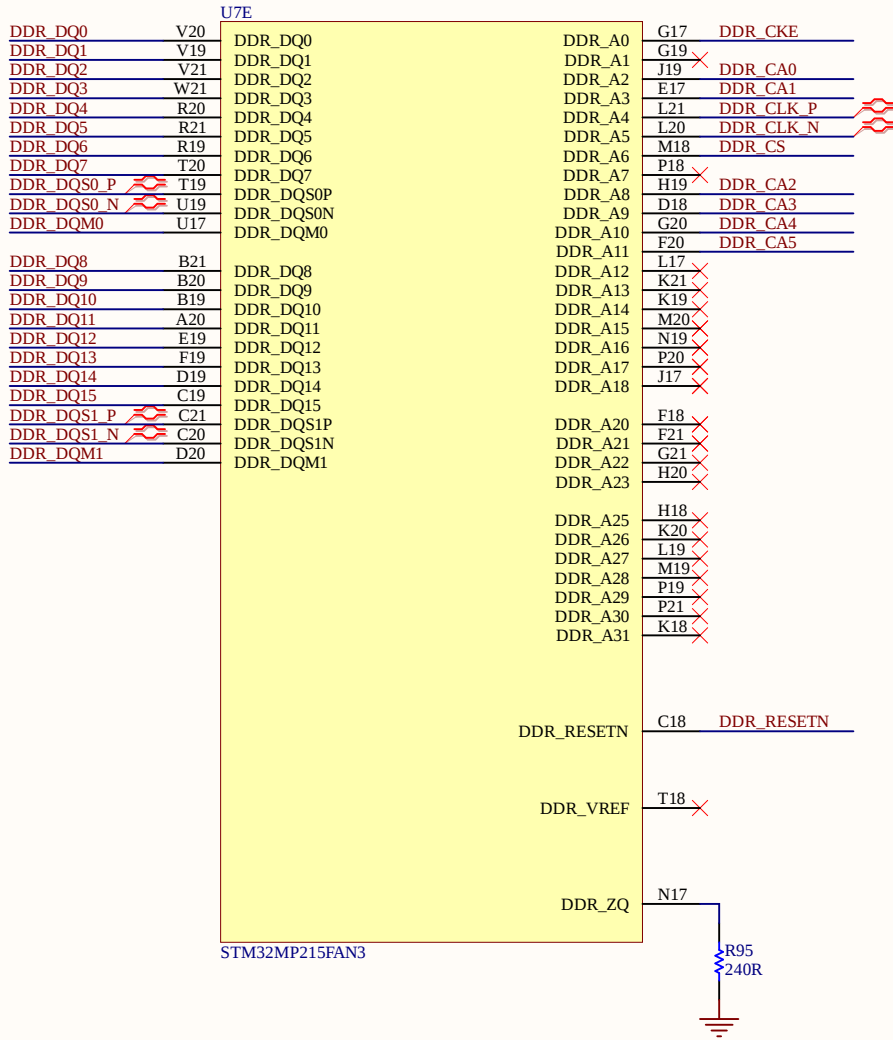
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Variant: MP215F		
Revision: B-02	Reference: MB2059	
Size: A4	Date: 08-Jul-2025	Sheet: 1 of 14

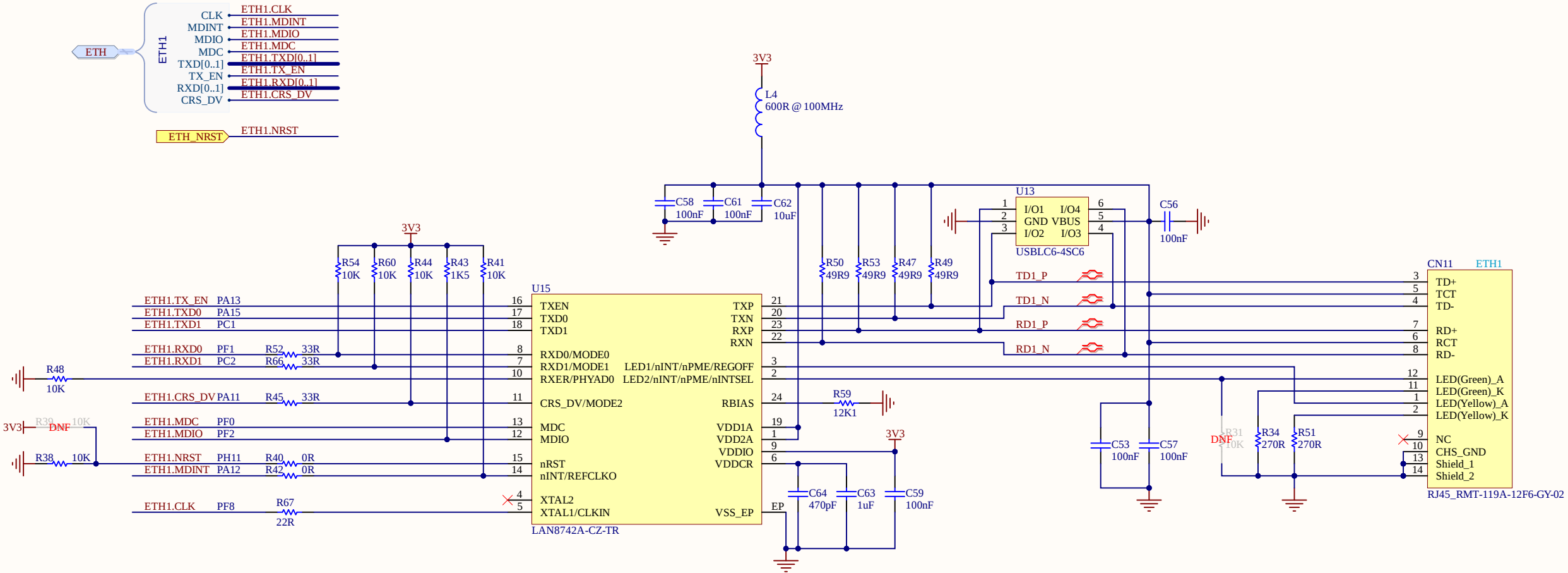


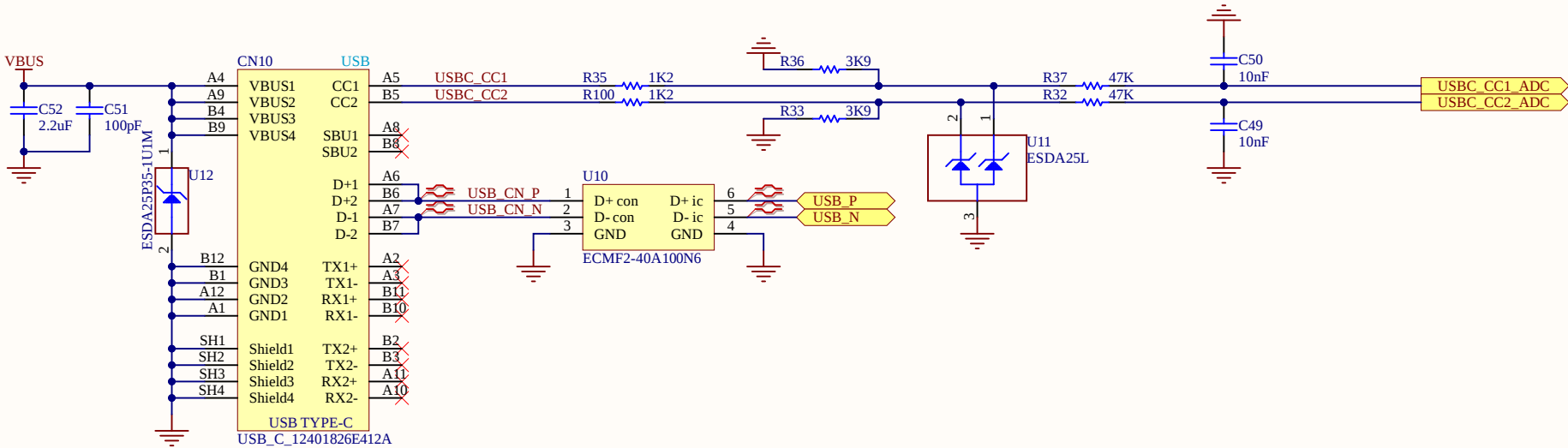
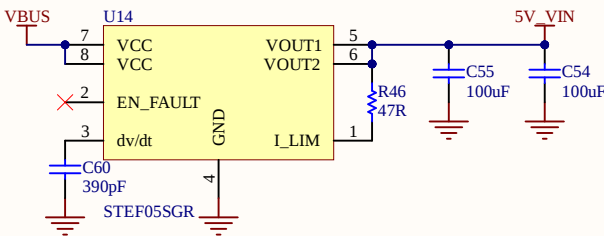










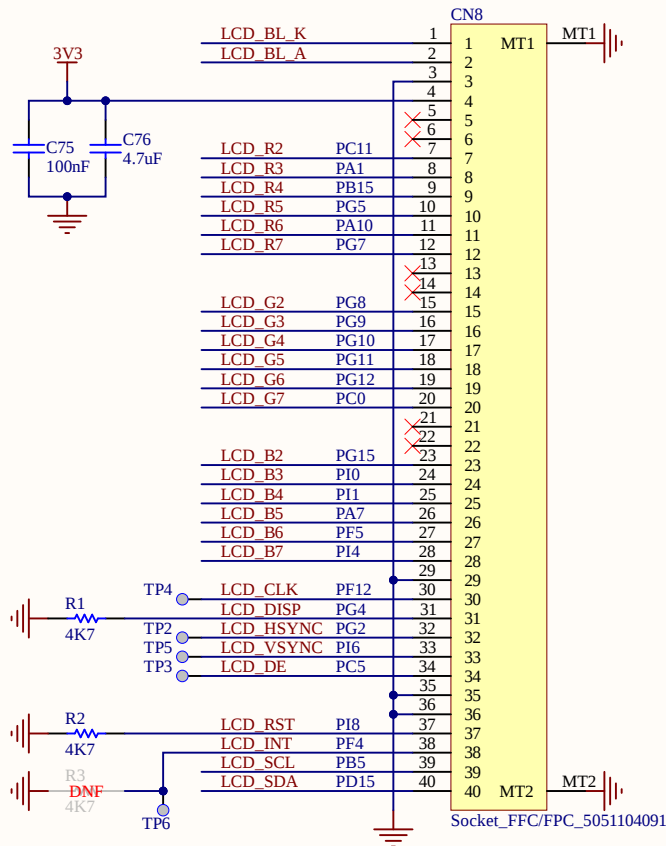
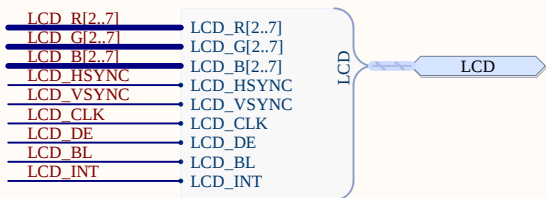
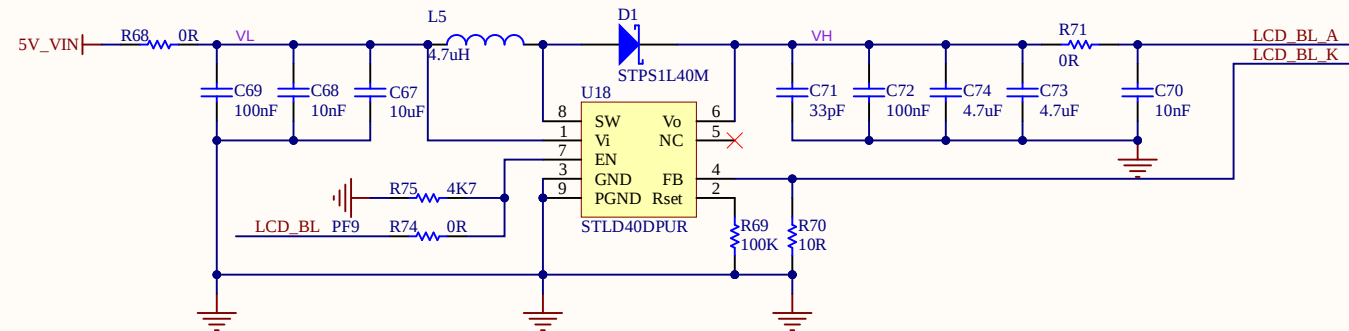


USBC_CC1 (2)	USBC_CC2 (1)	State	VBUS max current
CC < 0.2V	CC < 0.2V	Unattached.SNK	cannot occur '=> error
CC > 0.2V	CC > 0.2V	Unattached.SNK	cannot occur '=> error
0.2V < CC < 0.66V	CC < 0.2V	Attached.SNK	500mA (vRd-USB)
0.66V < CC < 1.23V	CC < 0.2V	Attached.SNK	1.5A (vRd-1.5)
1.23V < CC < 2.15V	CC < 0.2V	Attached.SNK	3A (vRd-3.0)

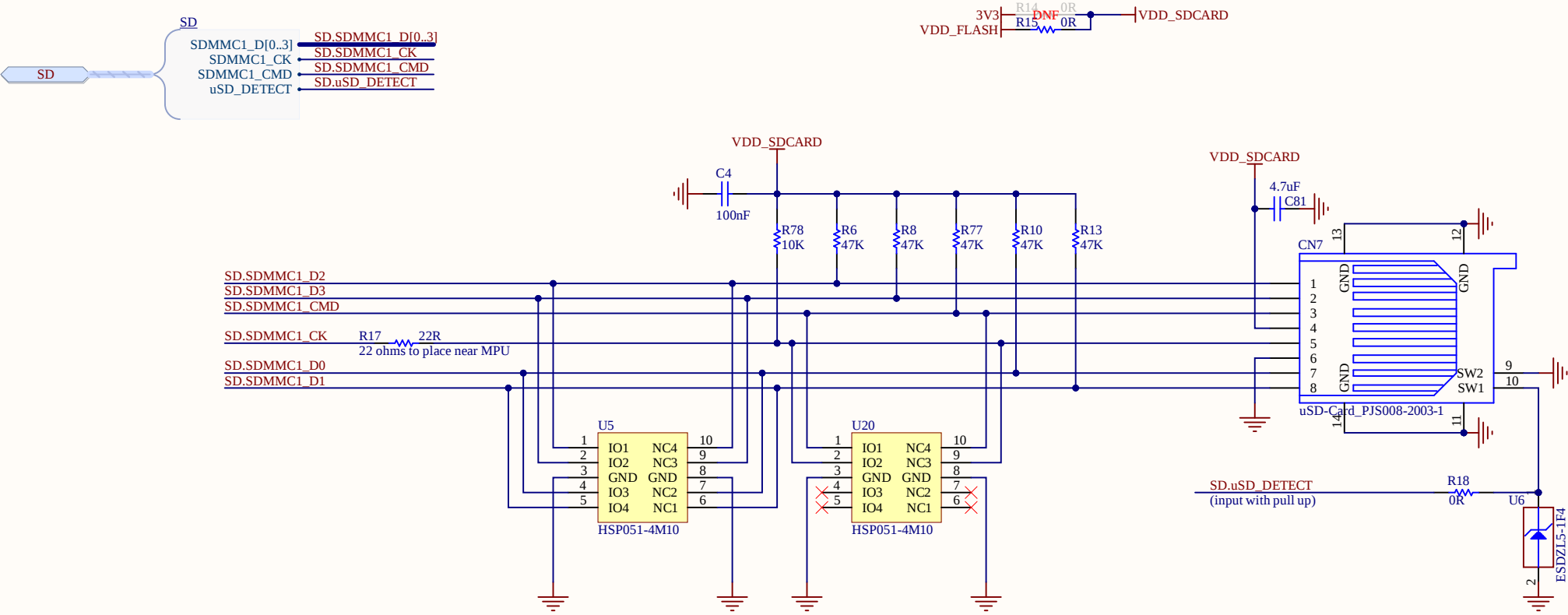
Equivalent voltage on ADC pins
0.2V=>0.15V
0.66=>0.5V
1.23V=>0.94V
2.15V=>1.64V



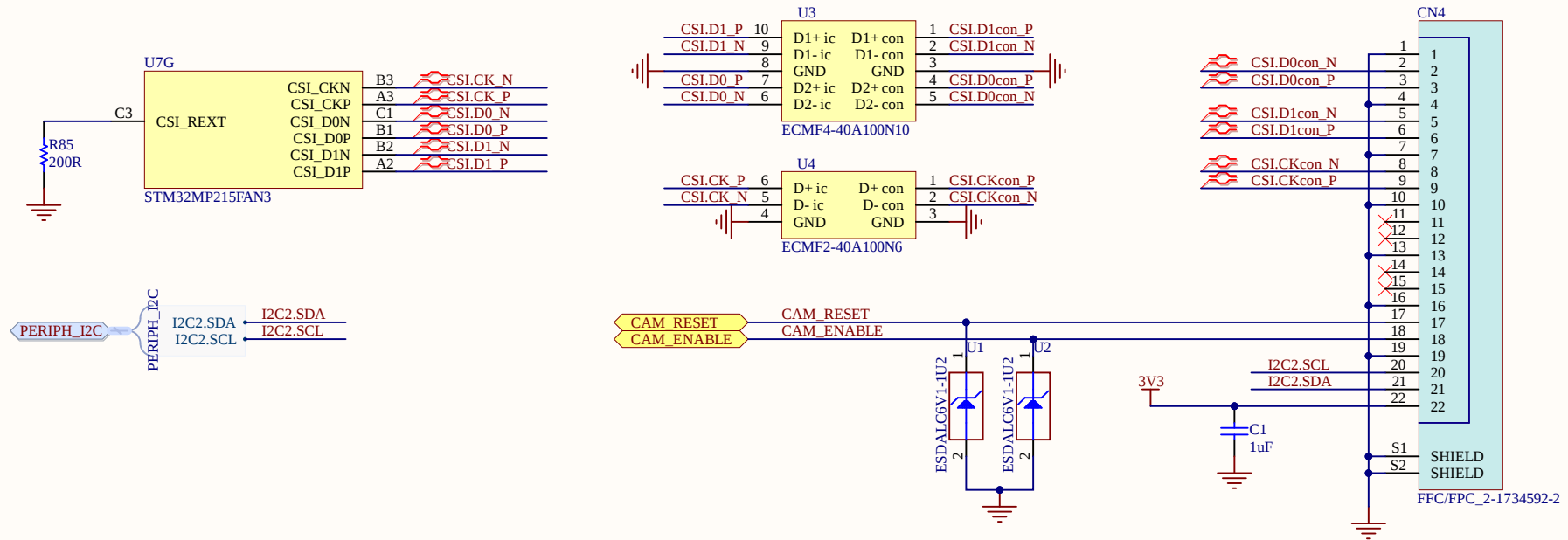
LCD connector



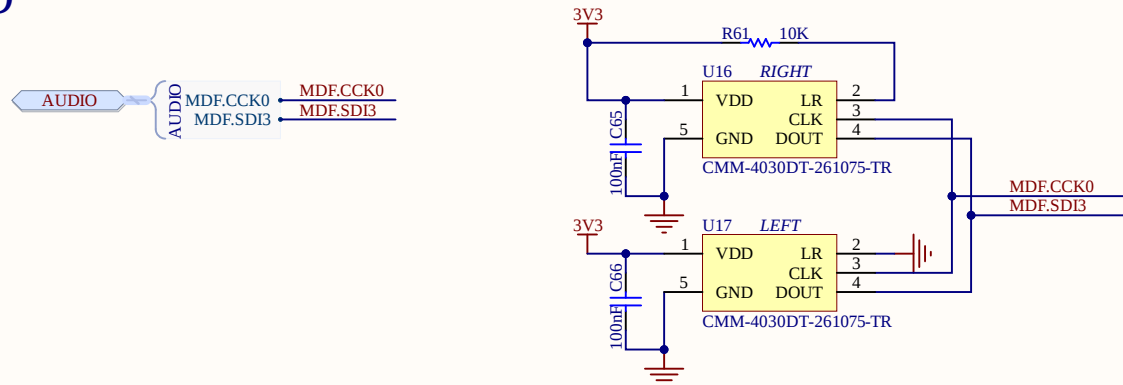
MICRO SD CARD



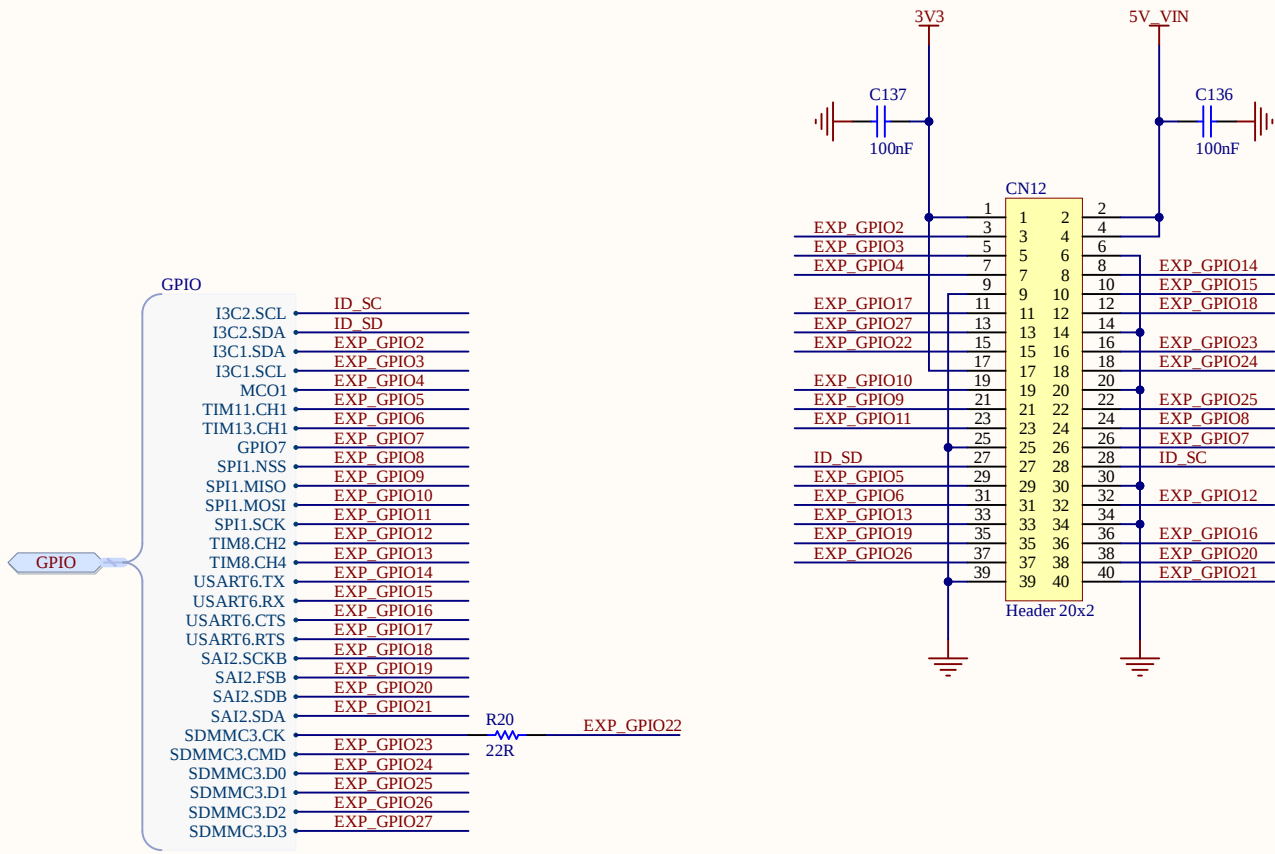
CAMERA



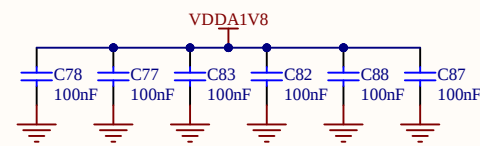
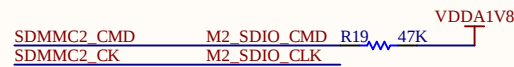
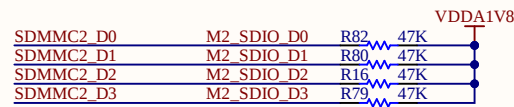
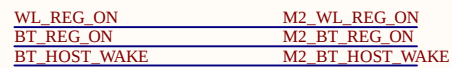
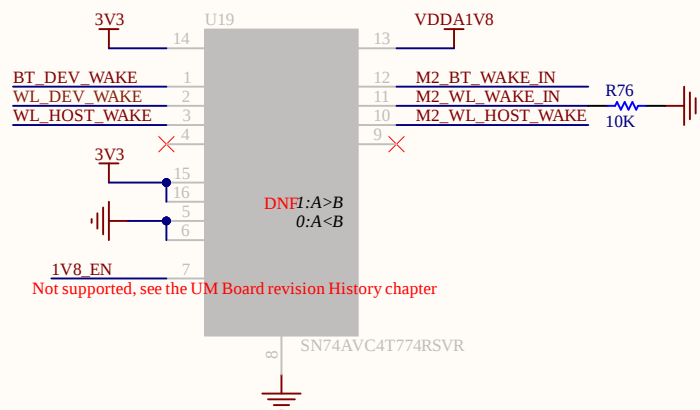
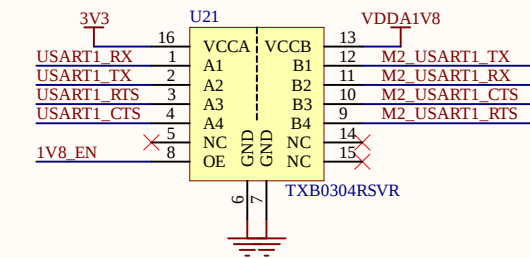
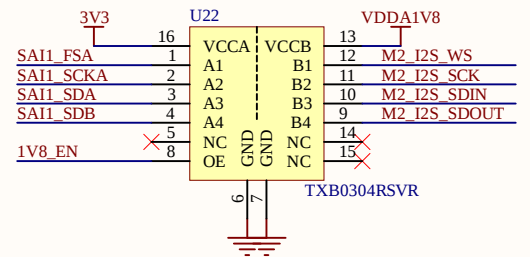
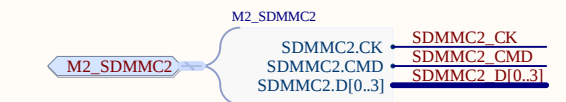
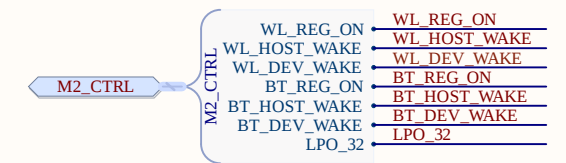
AUDIO



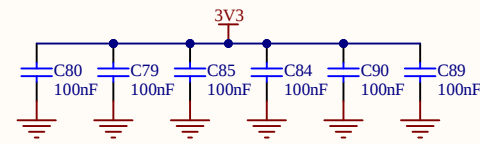
EXPANSION CONNECTOR



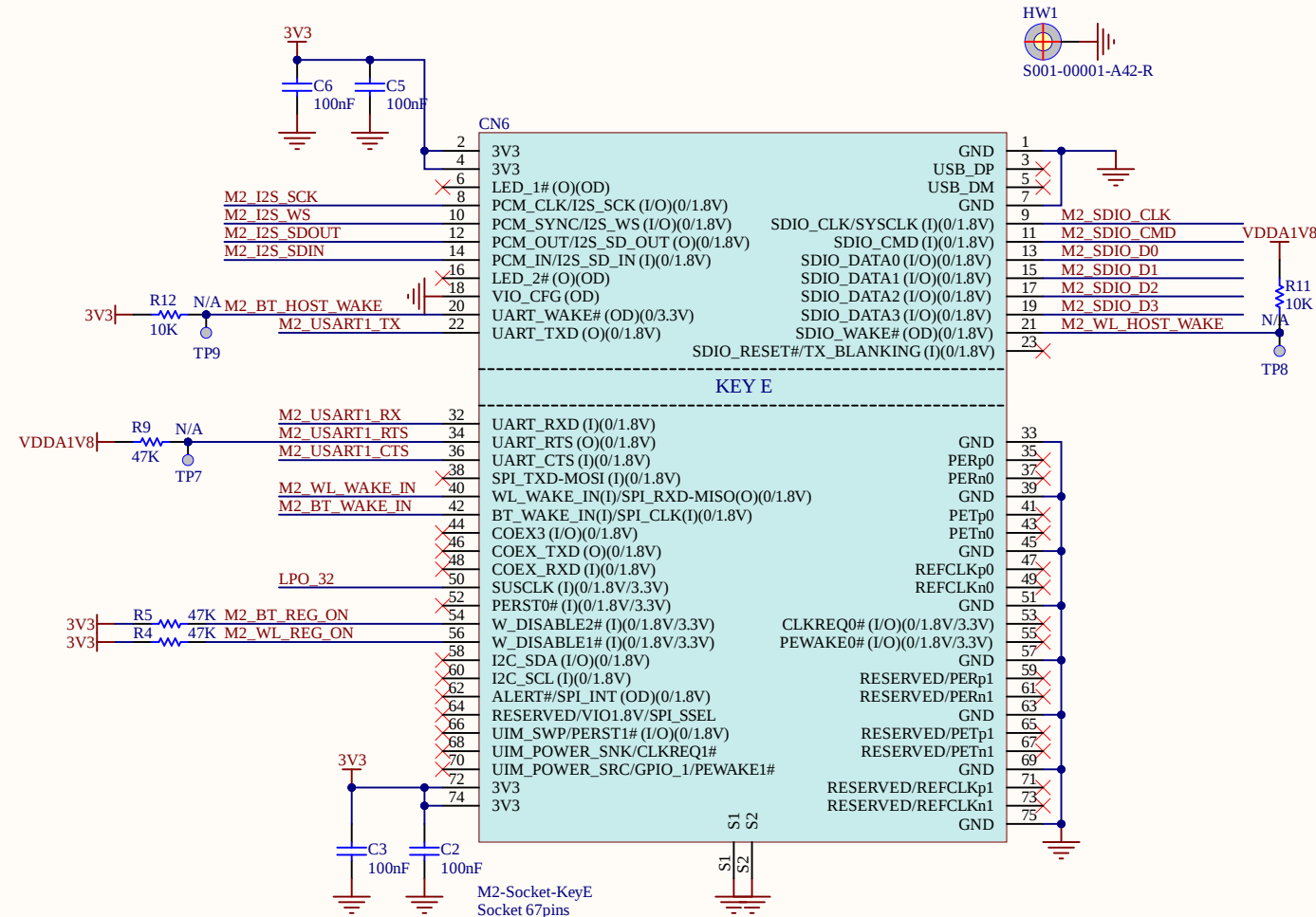
M2_connector



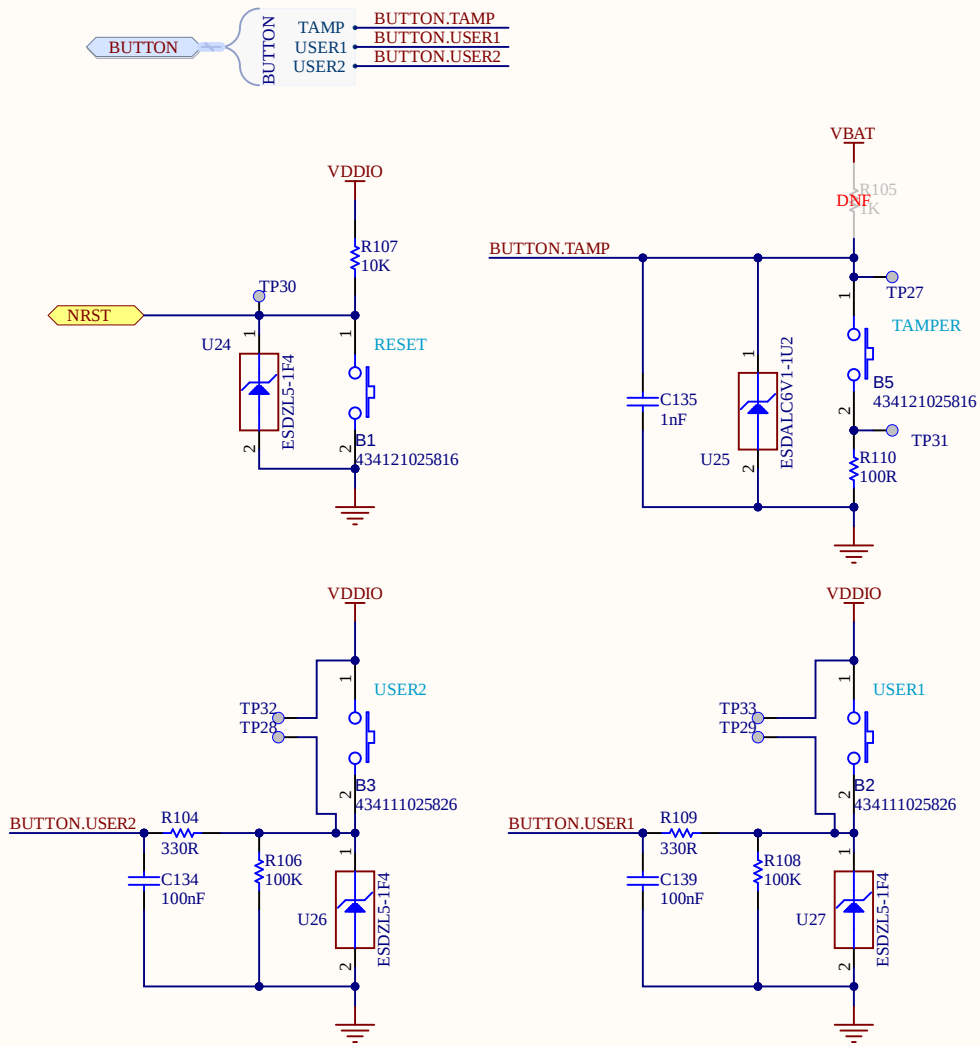
Level shifter VDDA1V8 voltage decoupling capacitors



Level shifter 3V3 voltage decoupling capacitors



BUTTONS



HW4

PCB

MB2059

HW3

STICKER PRODUCT

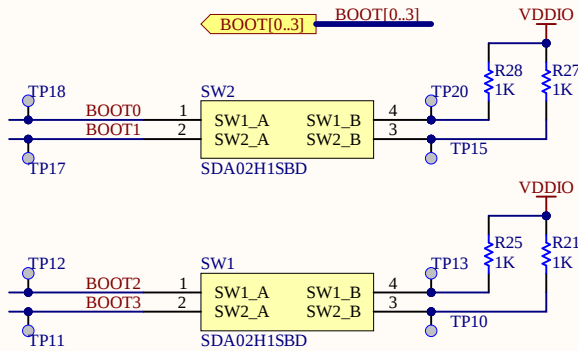
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HW2

STICKER BOARD

N/A

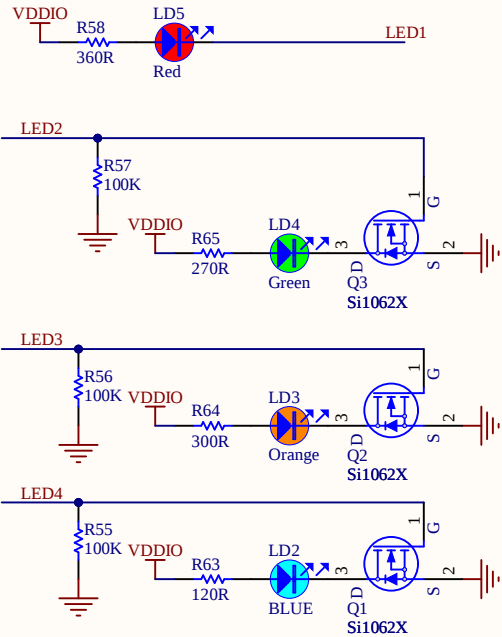
BOOT MODE



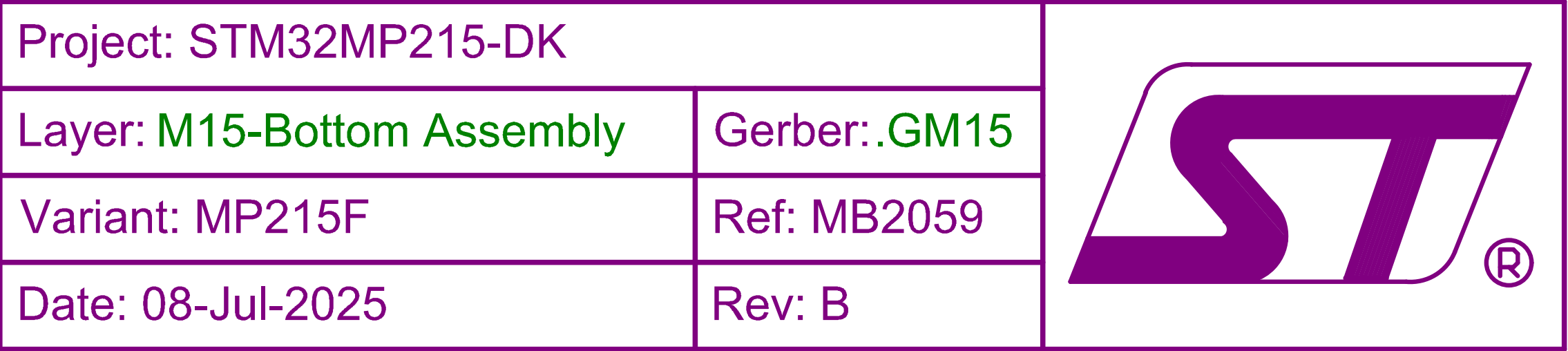
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'b0000	UART/USB	UART/USB
'b0001	SD-Card	-
'b0011	Development	Development
'b0111	-	SD-Card

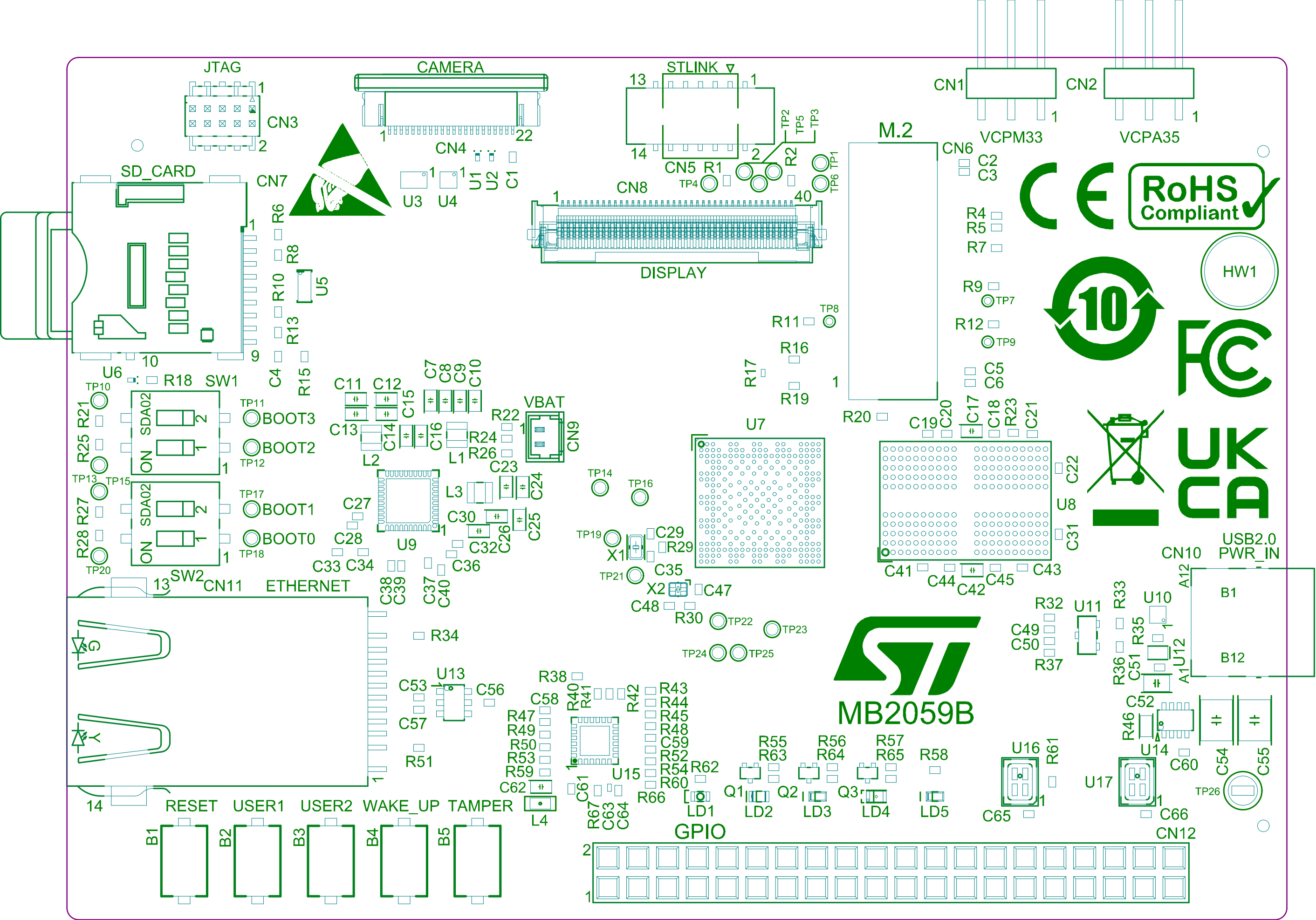
BOOT Sources : Simplified Table
For the complete Table : refer to datasheet

LED



The ST logo, consisting of the letters 'S' and 'T' in a stylized, bold, italicized font, enclosed within a parallelogram border. A registered trademark symbol (®) is located to the right of the logo.

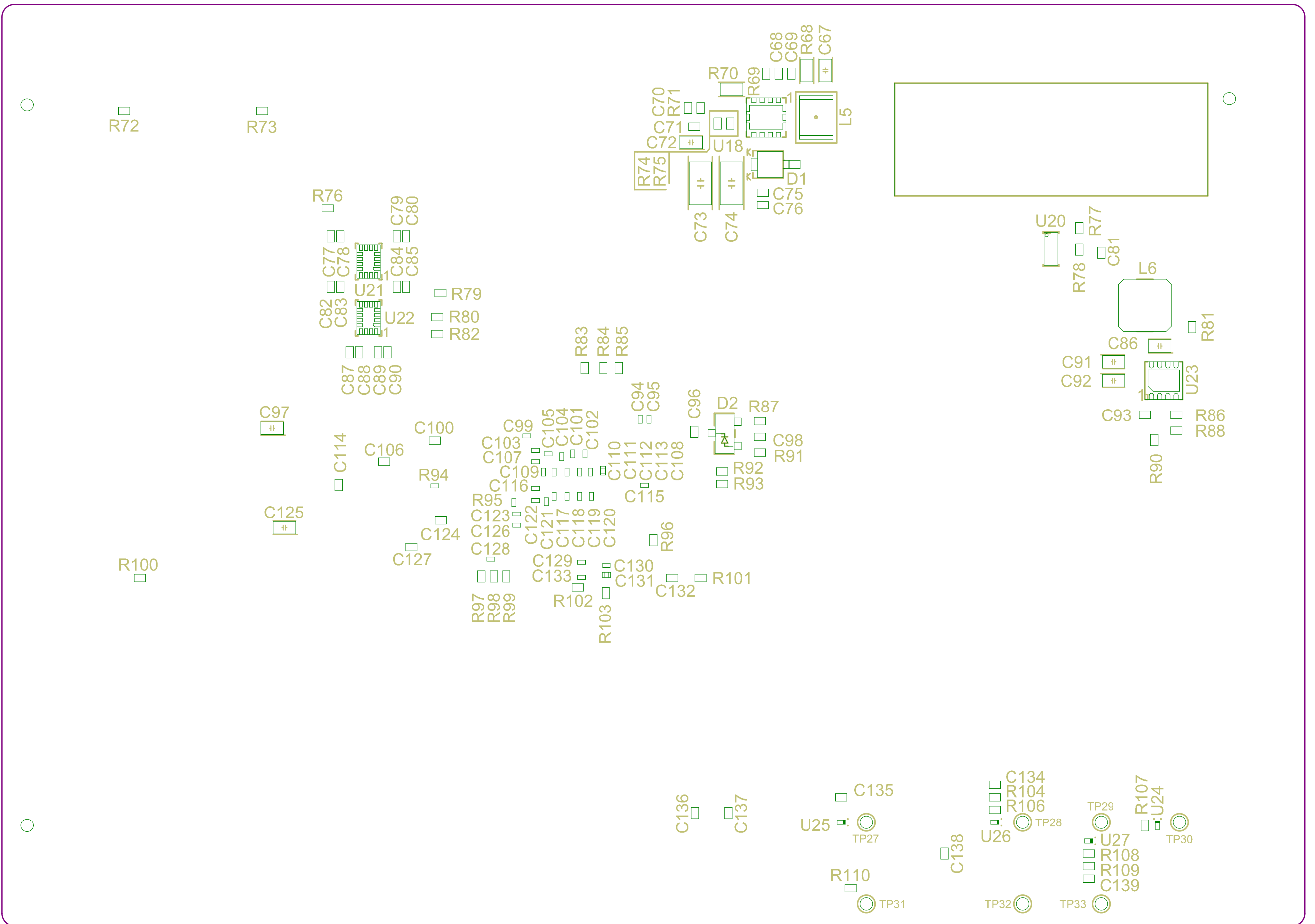




Car touche

Top Overlay

.GTO



.GBO