

STM32H7RS NUCLEO-144 LEGACY

MB1737

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Sheet 10: ST-Link V3EC SWD

Sheet 11: Mechanical

Legend

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

Text to be added to silkscreen.

Warning text.

Notes to generate the board layout.

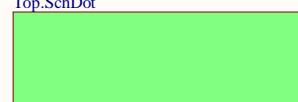
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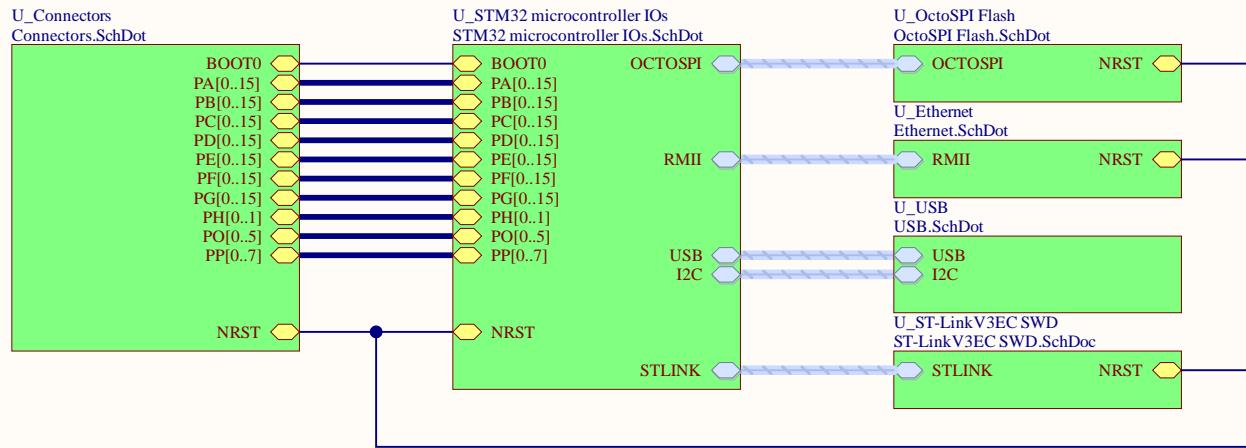
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U_Top
Top.SchDot



Title: Project overview	
Project:	STM32H7RS NUCLEO-144 LEGACY
Variant:	H7S3L8
Revision:	B-02
Size:	A4
Date:	07-SEP-23
Reference:	MB1737
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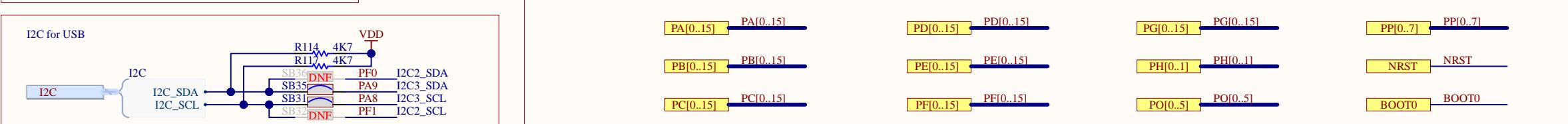
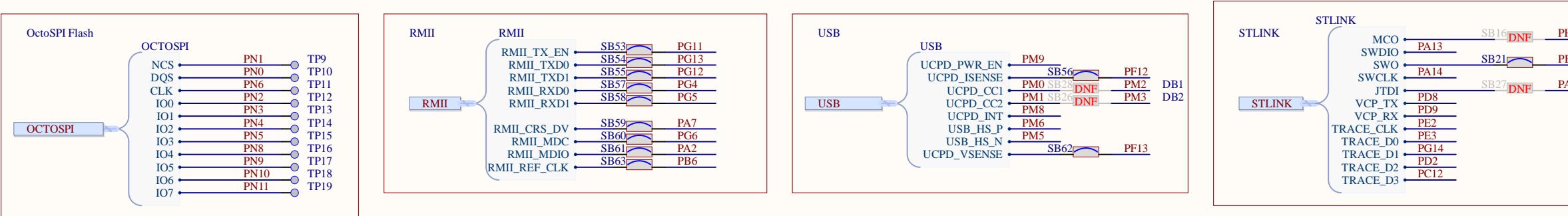
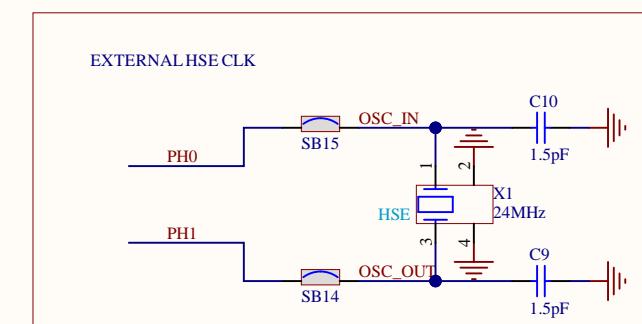
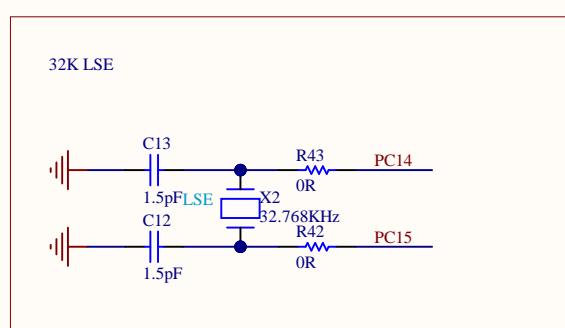
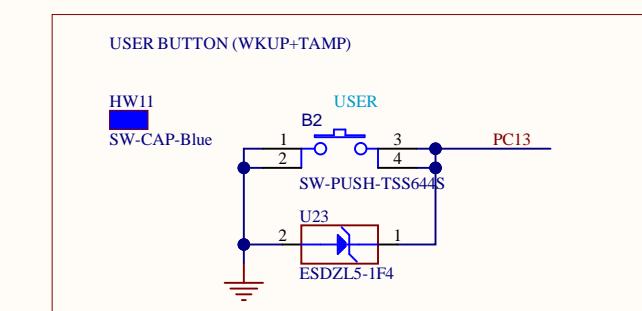
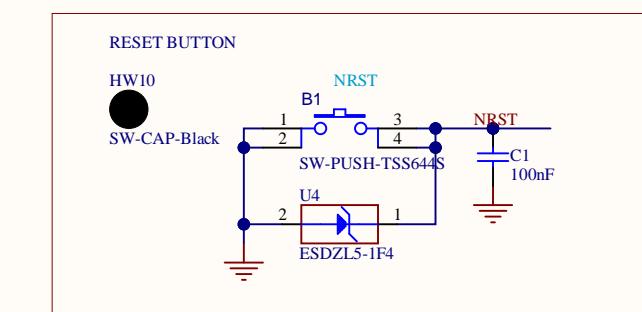
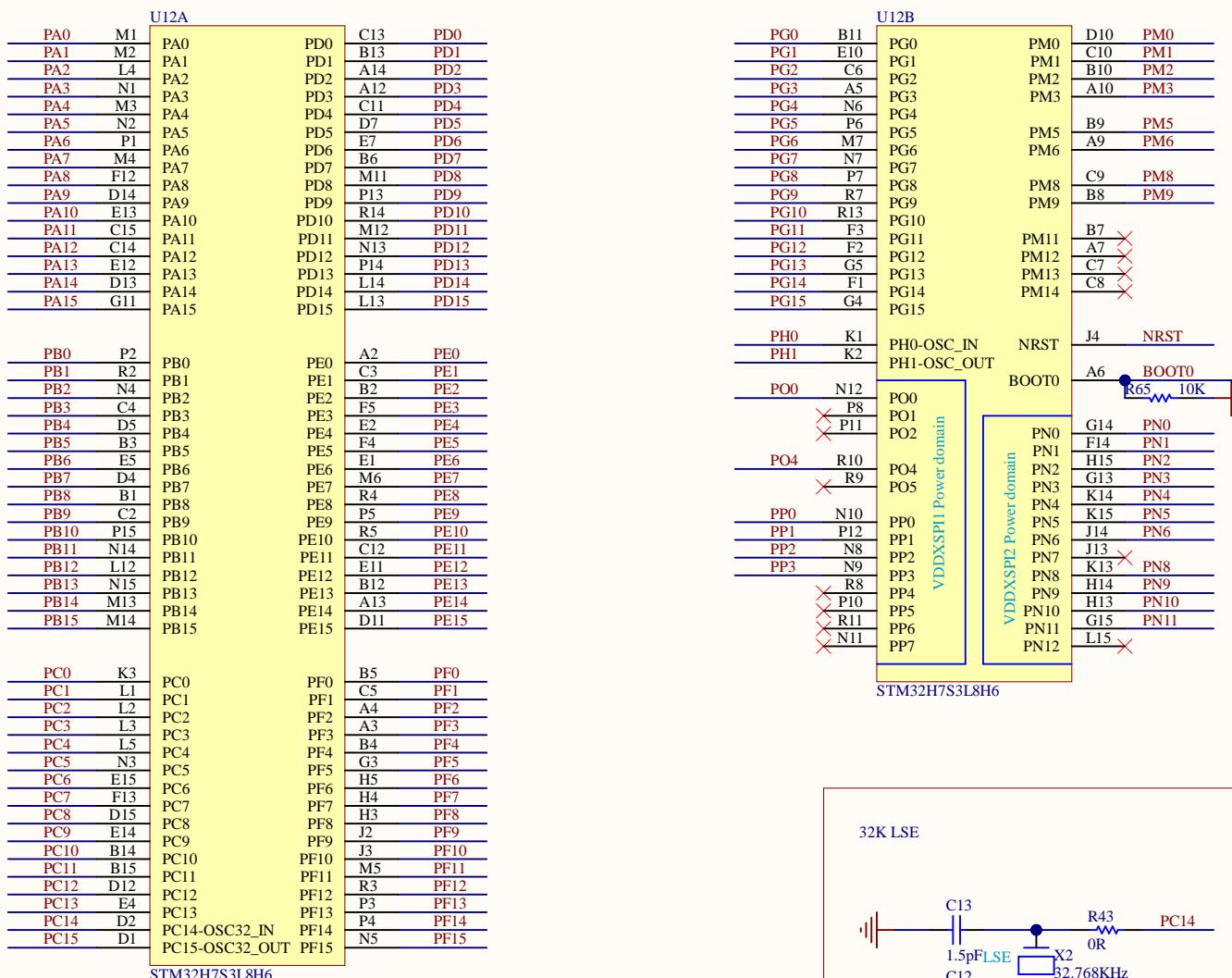
**U_STM32 microcontroller power
STM32 microcontroller power.SchDot**

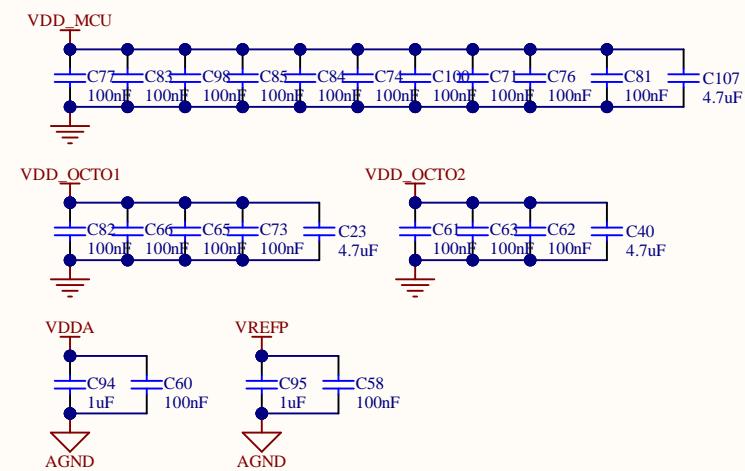
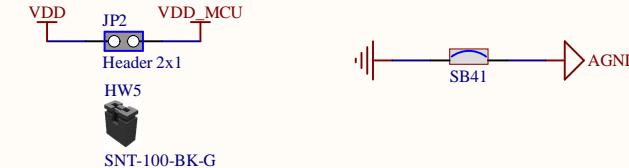
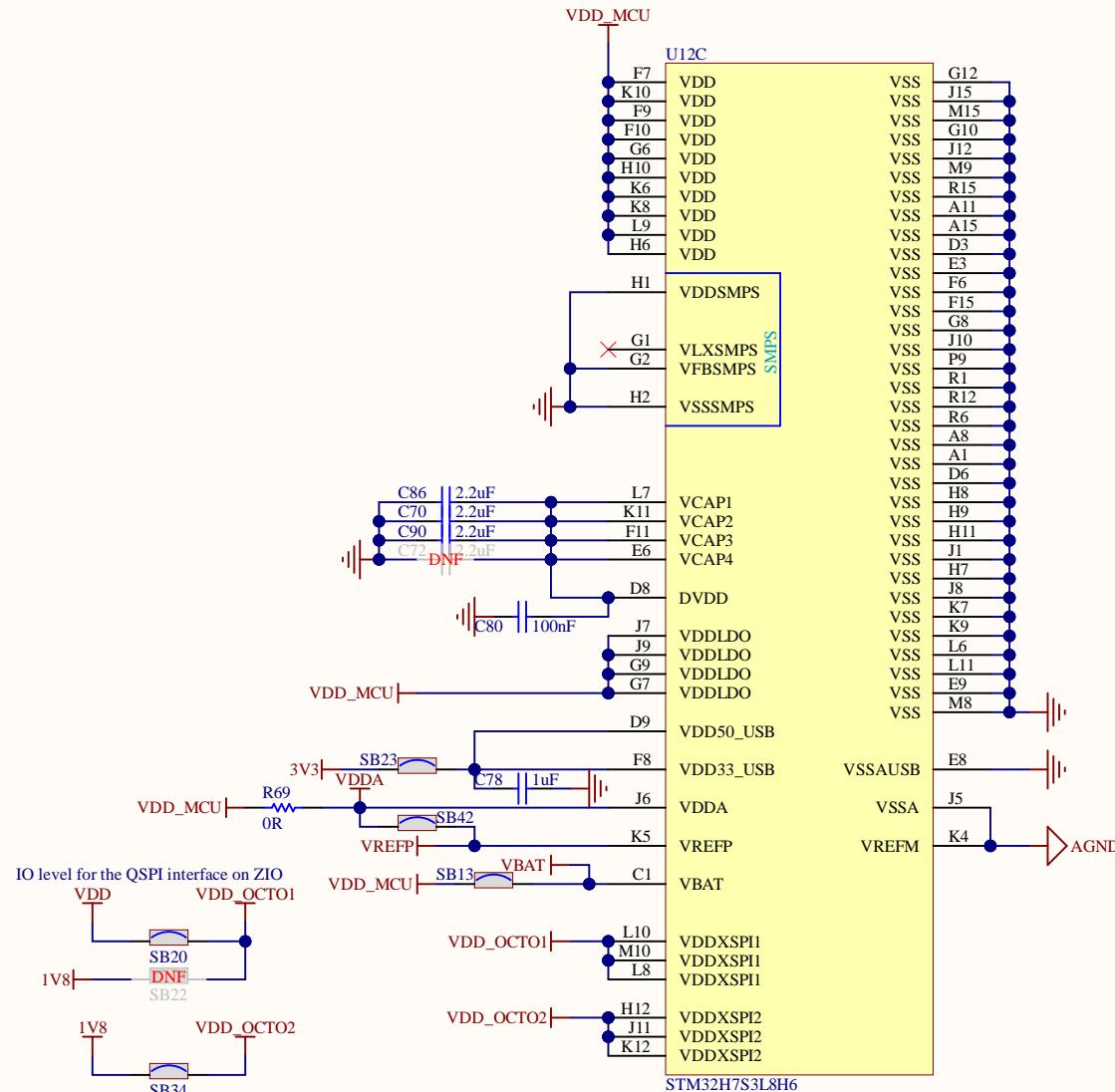
U_Power Power.SchDot

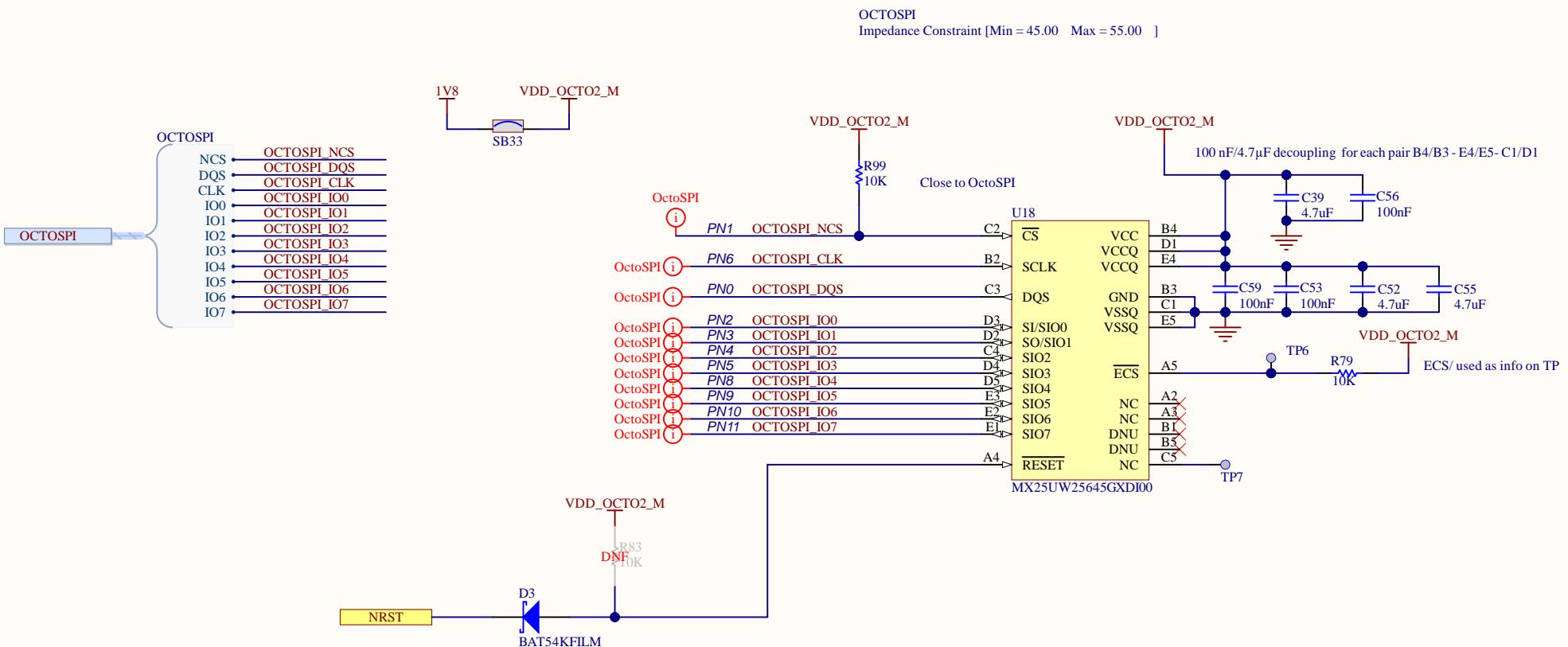
U_Mechanical Mechanical.SchDot

Title: Top	
Project: STM32H7RS NUCLEO-I44 LEGACY	
Variant: H7S3L8	
Revision: B-02	
Size: A4	Date: 07-SEP-23
Reference: MB1737	Sheet: 2 of 11



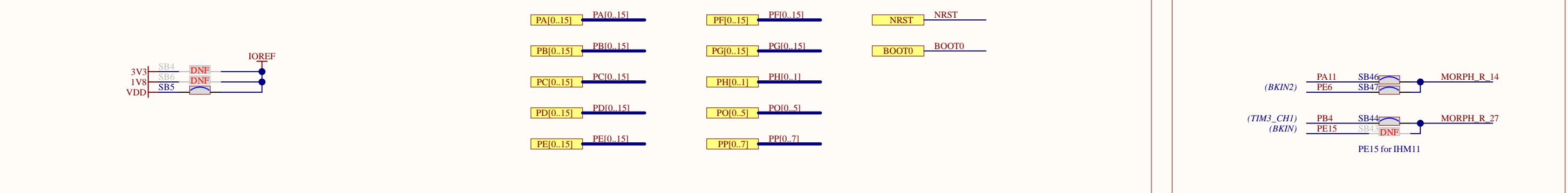




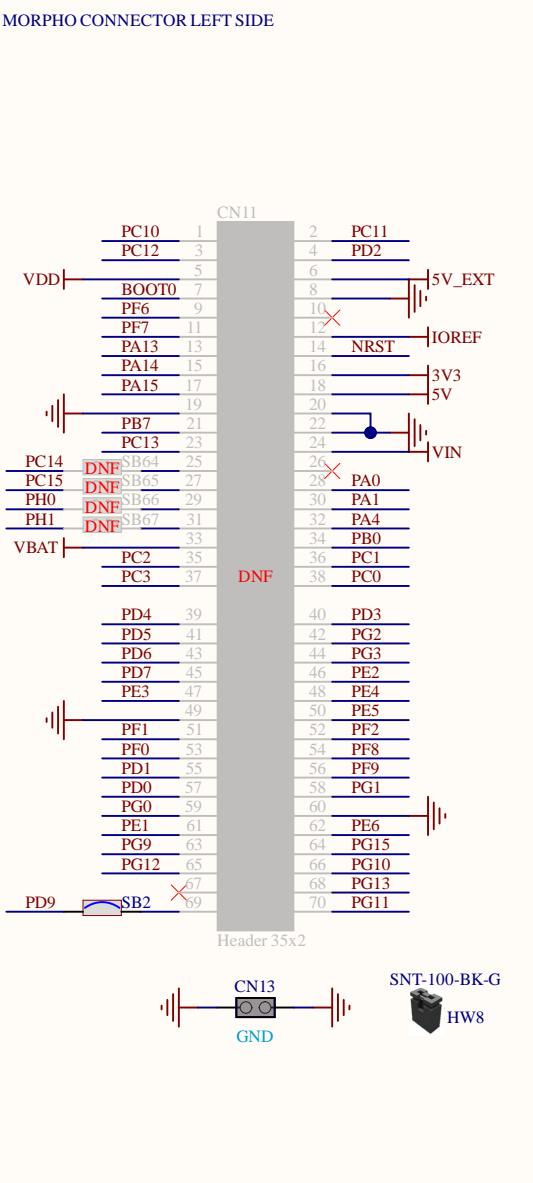


Length equalization (include BGA package length) :

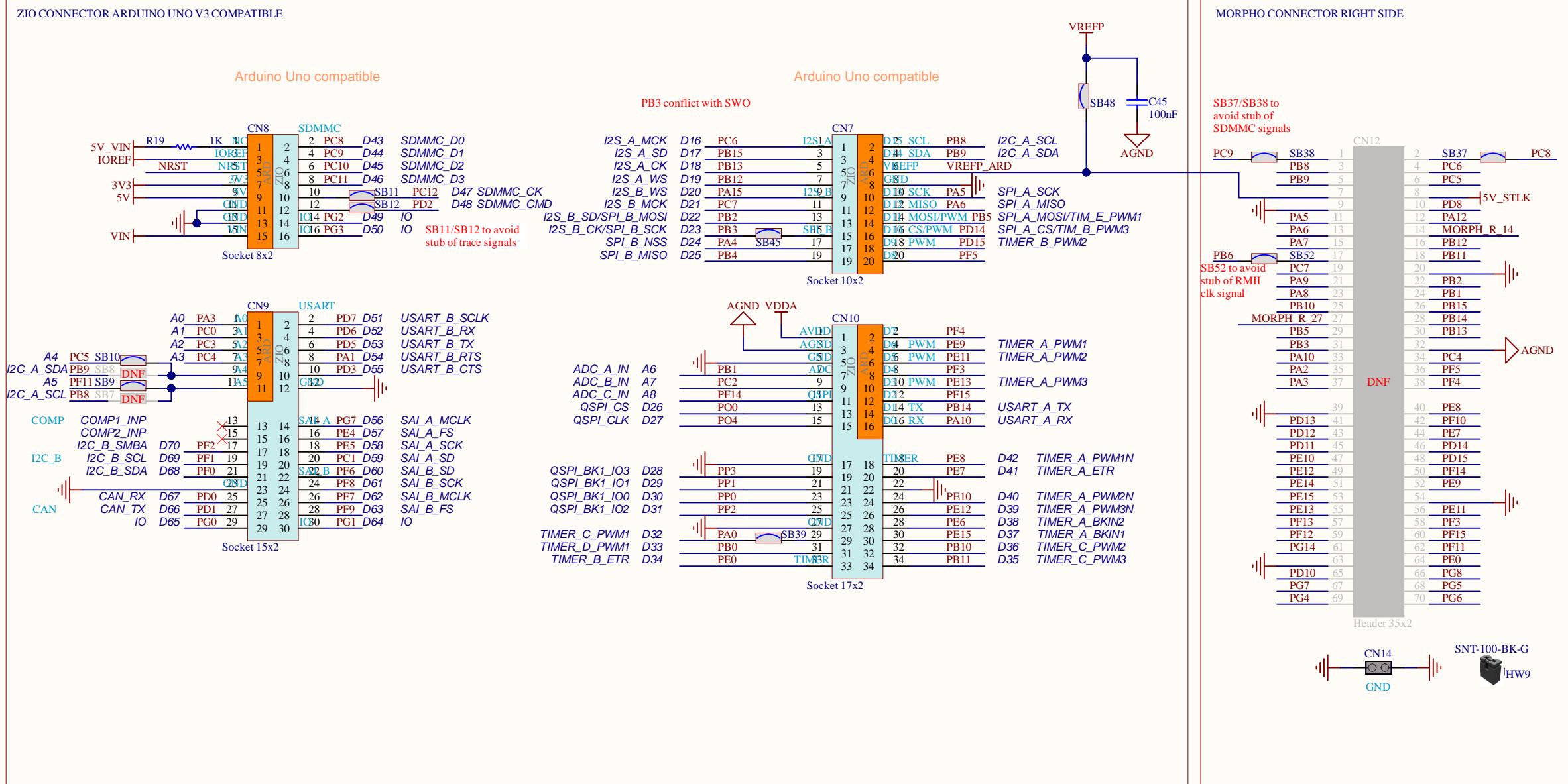
- DQS0 with IO0..7 (Byte0) , and CLK , all in 50 mils
- NCS length can be in the range of up to CLK length +/- 750 mils



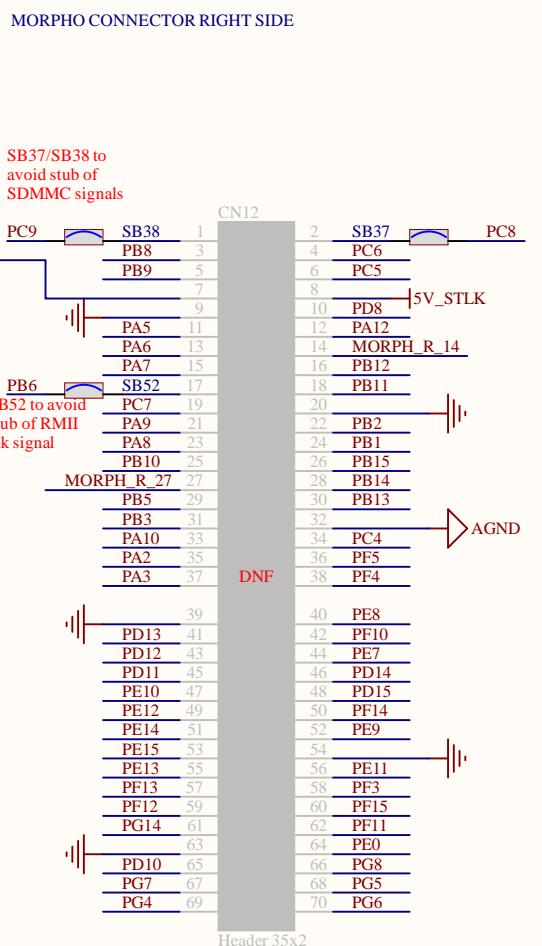
MORPHO CONNECTOR LEFT SIDE



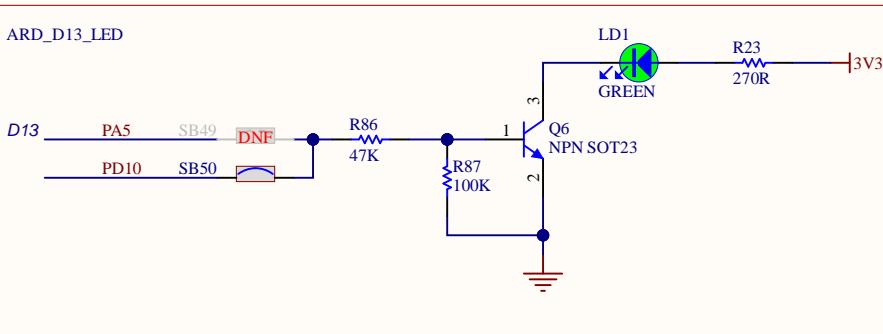
ZIO CONNECTOR ARDUINO UNO V3 COMPATIBLE



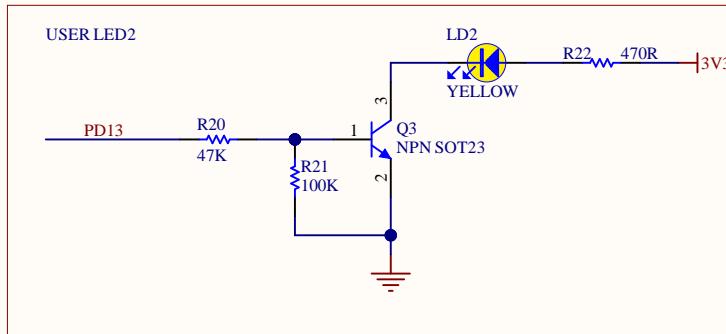
MORPHO CONNECTOR RIGHT SIDE



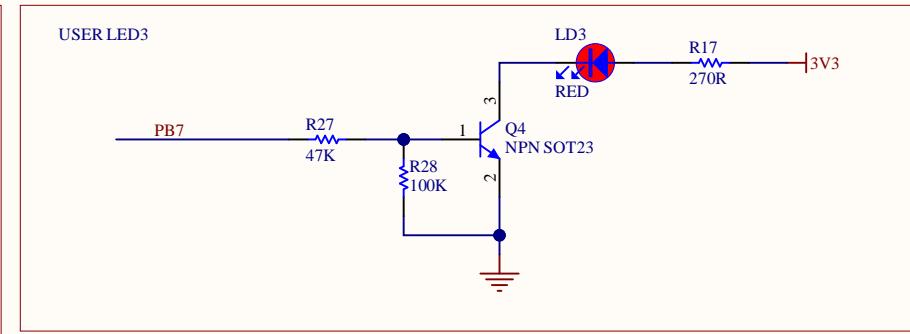
ARD_D13_LED

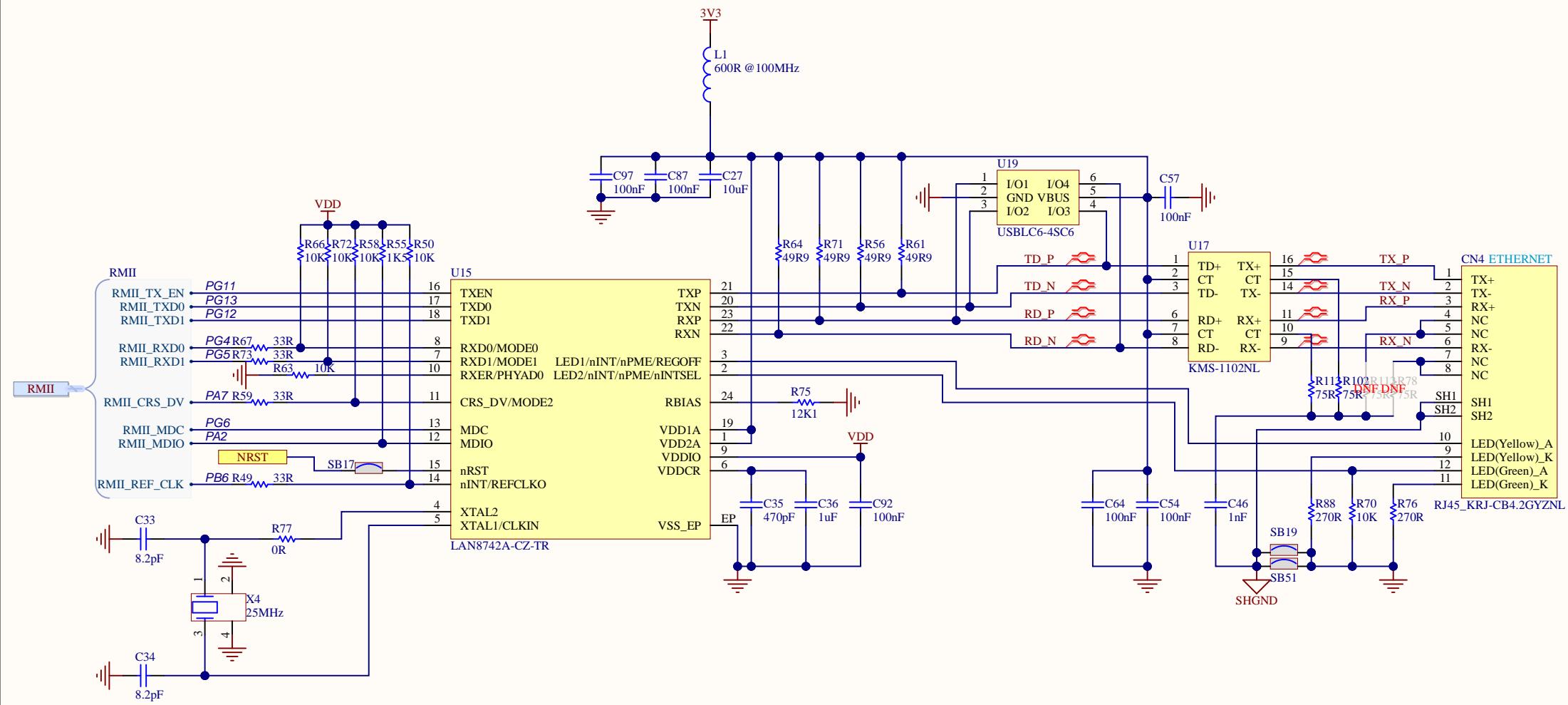


USER LED2



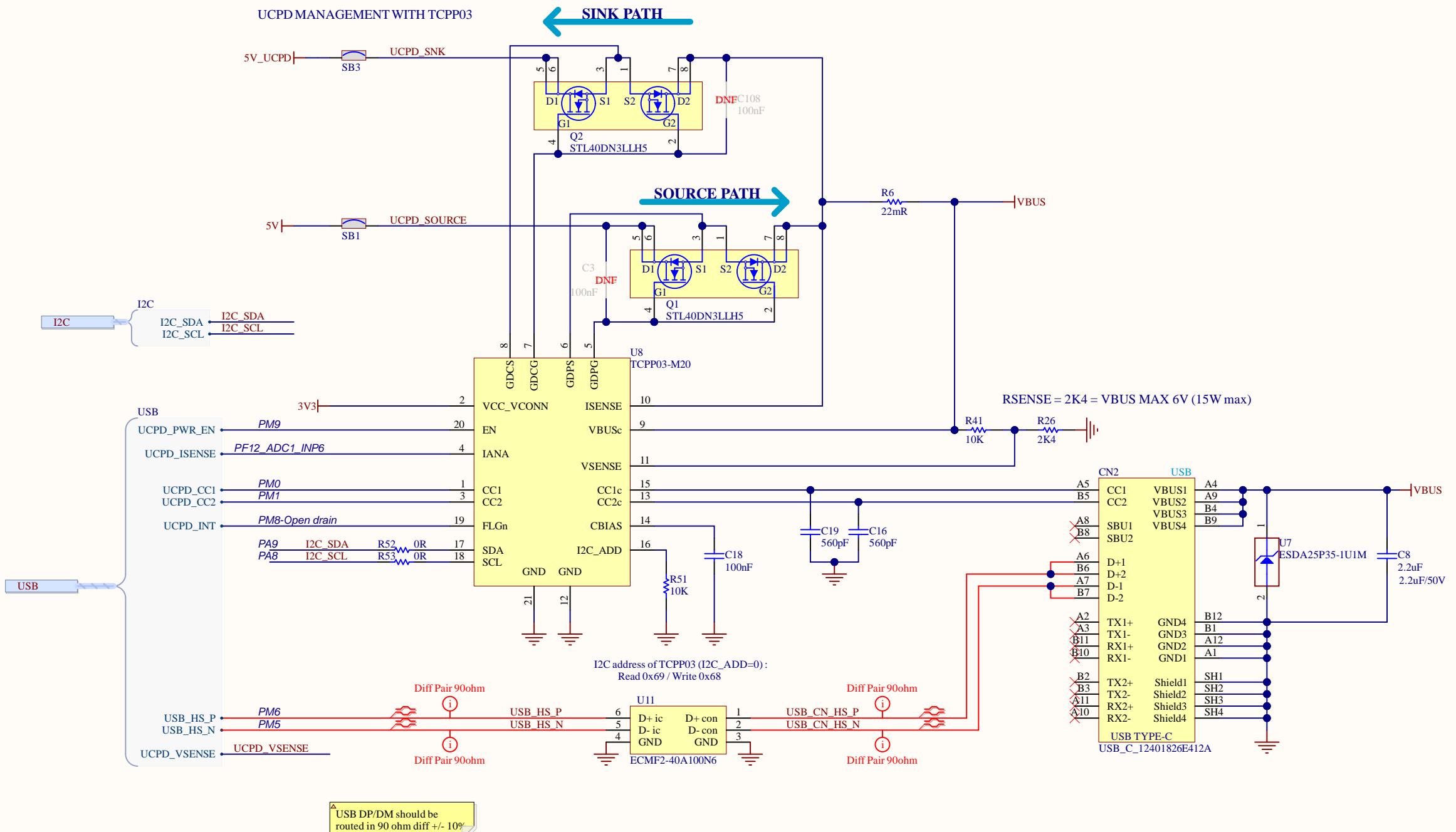
USER LED3



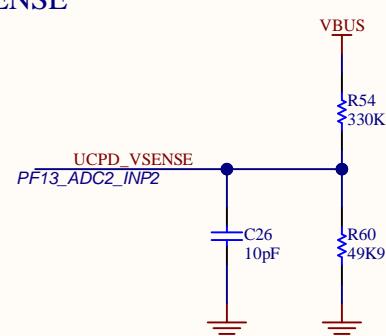


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Project:	STM32H7RS NUCLEO-I44 LEGACY
Variant:	H7S3L8
Revision:	B-02
Size: A4	Date: 07-SEP-23
Reference: MB1737	
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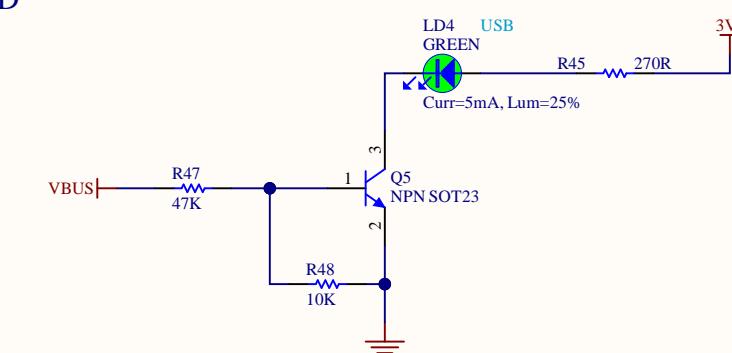




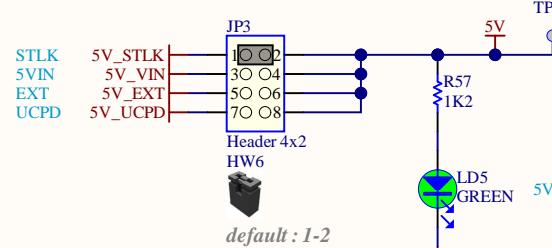
VBUS SENSE



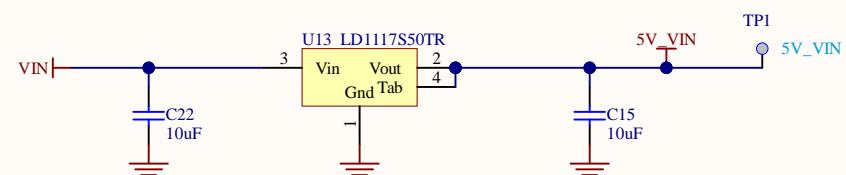
5V_USB_LED



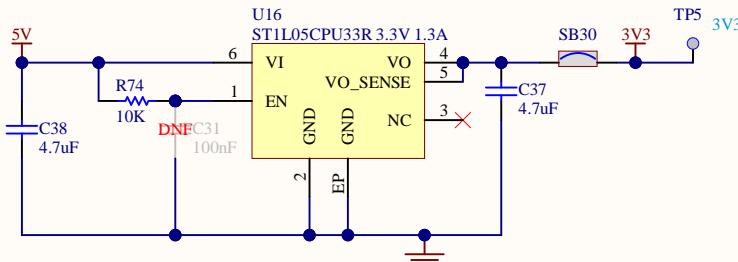
5V Power Supply options



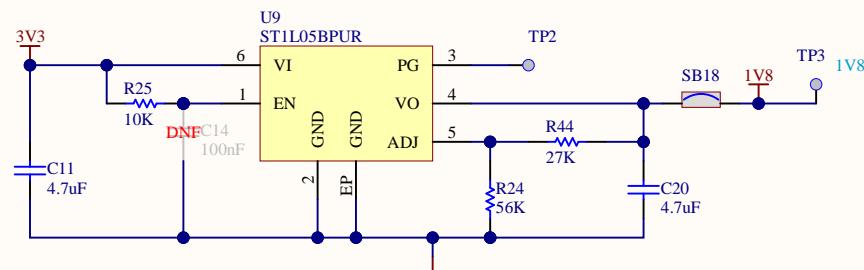
5V External Supply



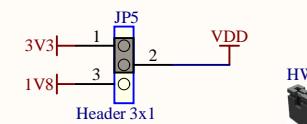
3V3 POWER SOURCE (1.3A)



1V8 POWER SOURCE (1.3A)

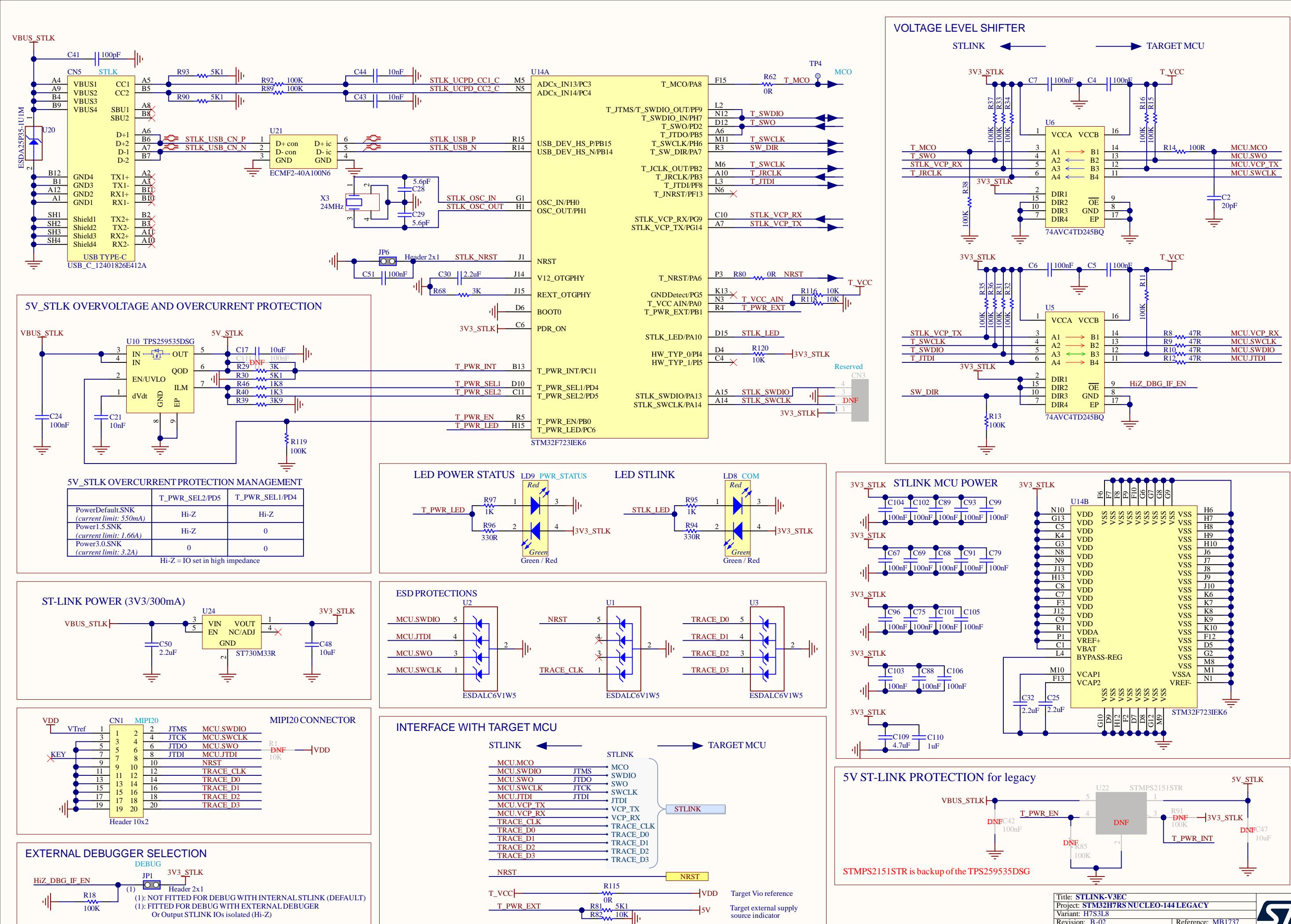


VDD MCU SELECTION AND CURRENT MEASUREMENT



Title: Power	
Project:	STM32H7RS NUCLEO-I44 LEGACY
Variant:	H7S3L8
Revision:	B-02
Size: A4	Date: 07-SEP-23
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HW2
STICKER BOARD
Sticker board

HW1
STICKER PRODUCT
Sticker product

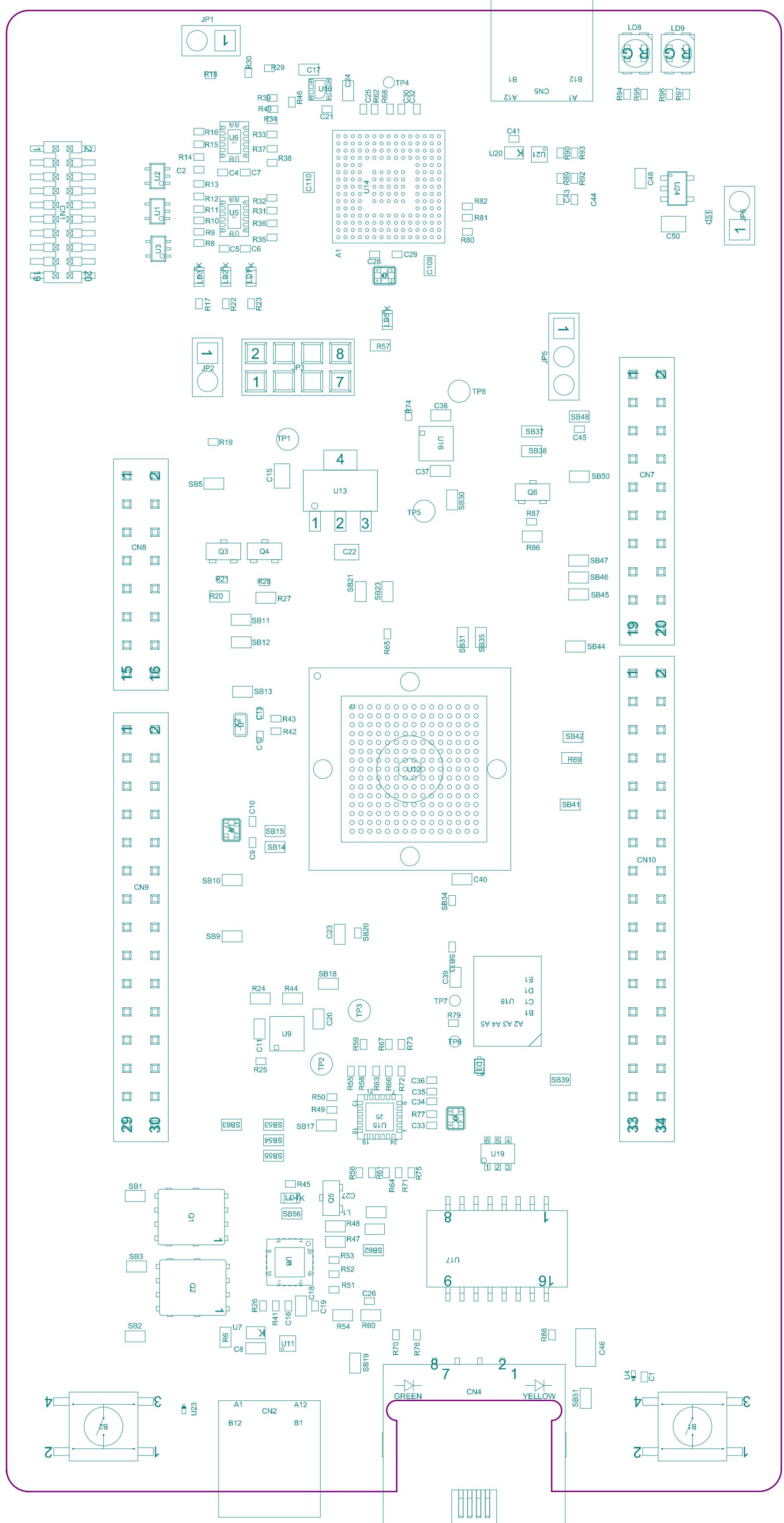


HW7
DNF

CS1222291-D6524MF

Title: Mechanical	
Project: STM32H7RS NUCLEO-I44 LEGACY	
Variant: H7S3L8	
Revision: B-02	Reference: MB1737
Size: A4	Date: 07-SEP-23
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Project: STM32H7RS NUCLEO-144 LEGACY

Layer: M14-Top Assembly

Gerber: .GM14

Variant: H7S3L8

Ref: MB1737

Date: 07-SEP-23

Rev: B

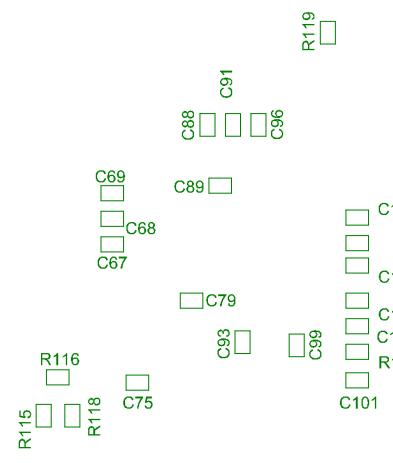




CN6



CN15

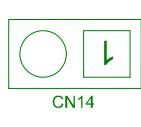
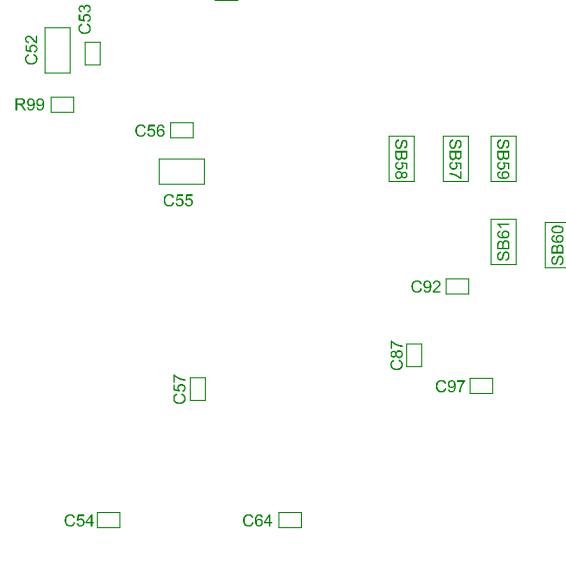
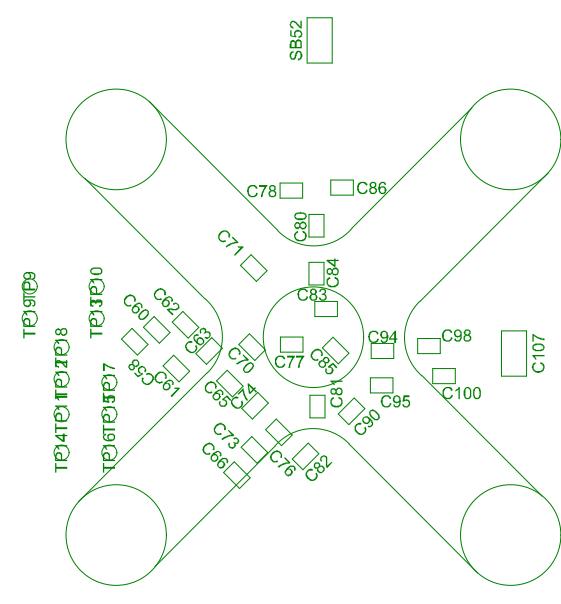


Product 25x9 sticker

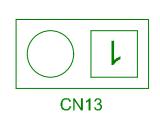
HW1

Board 25x9 sticker

HW2



CN14



CN13



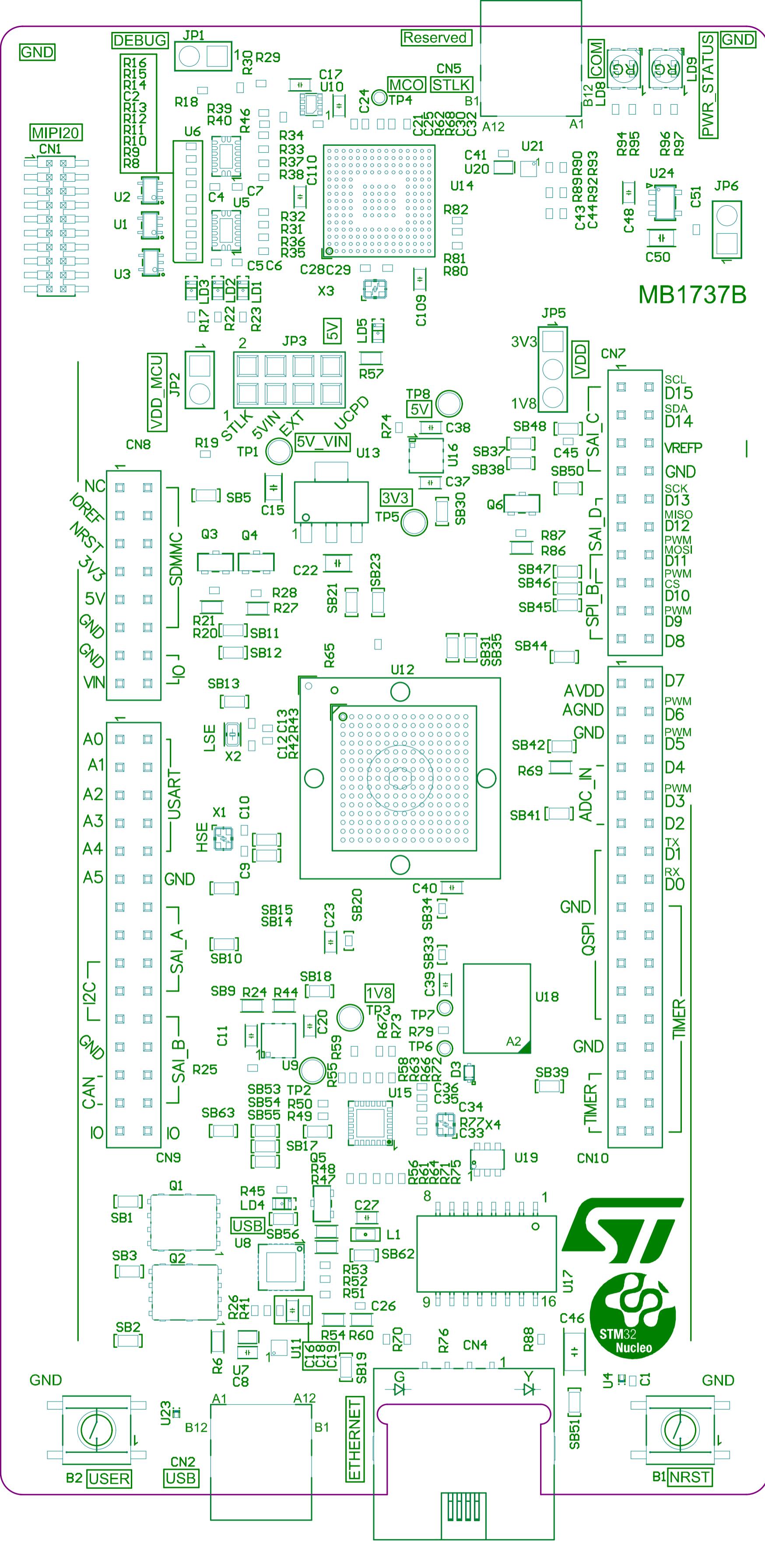
Project: STM32H7RS NUCLEO-144 LEGACY

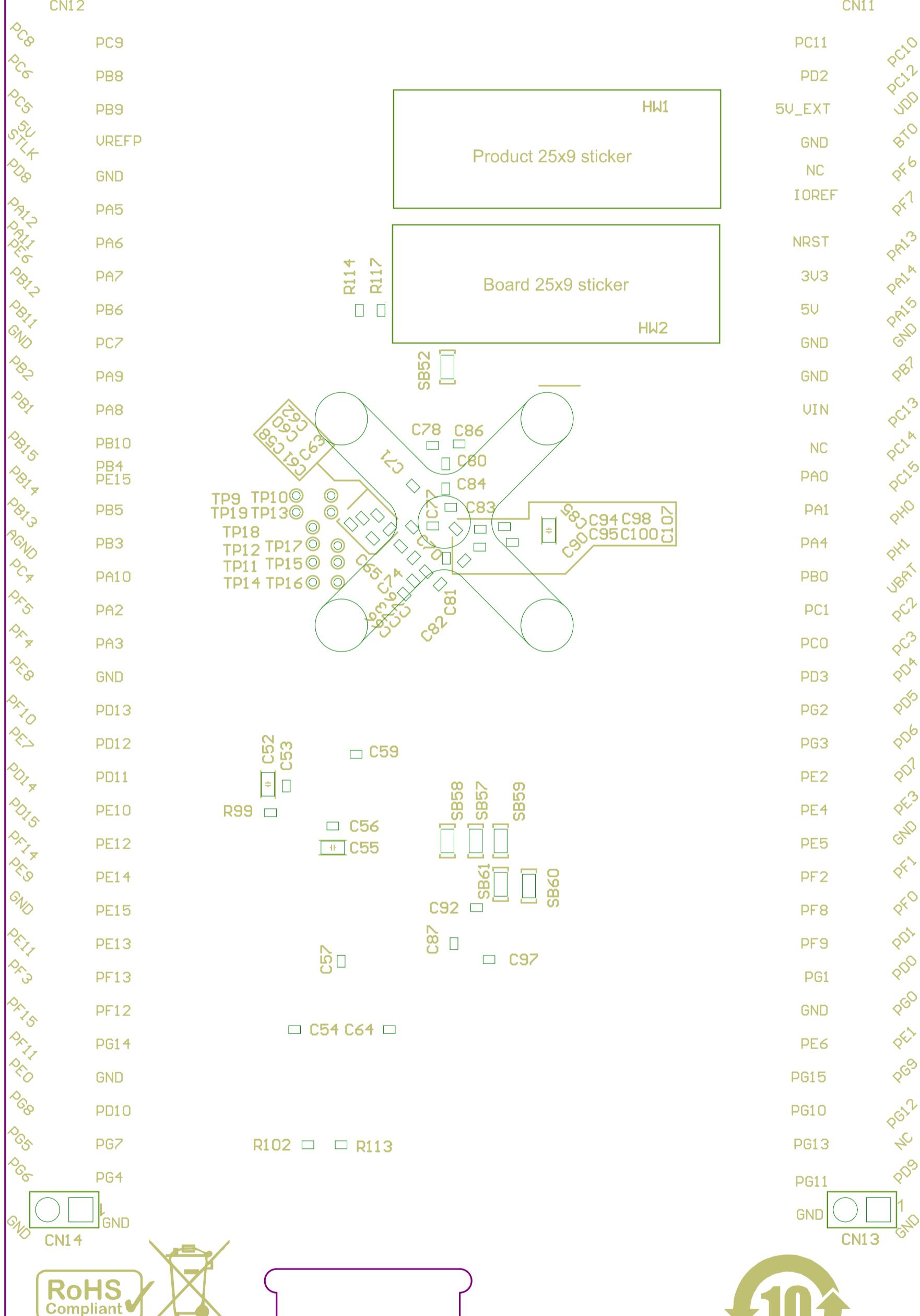
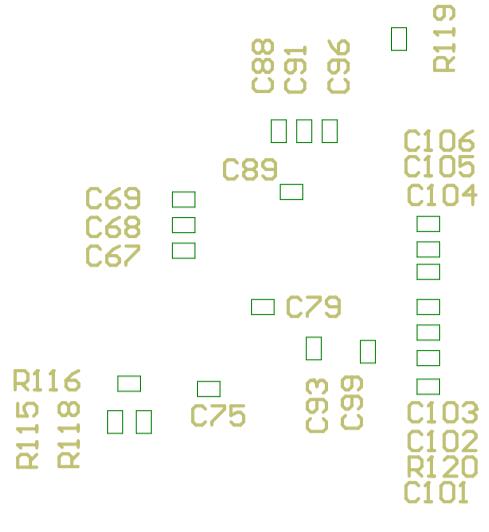
Layer: M15-Bottom Assembly	Gerber: .GM15
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Variant: H7S3L8	Ref: MB1737
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Date: 07-SEP-23	Rev: B
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M15-Bottom Assembly

GM15