MB2515_RF_Miniboard_STM32WBA25_QFN48_SMPS_USE

MB2515

Table of contents

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

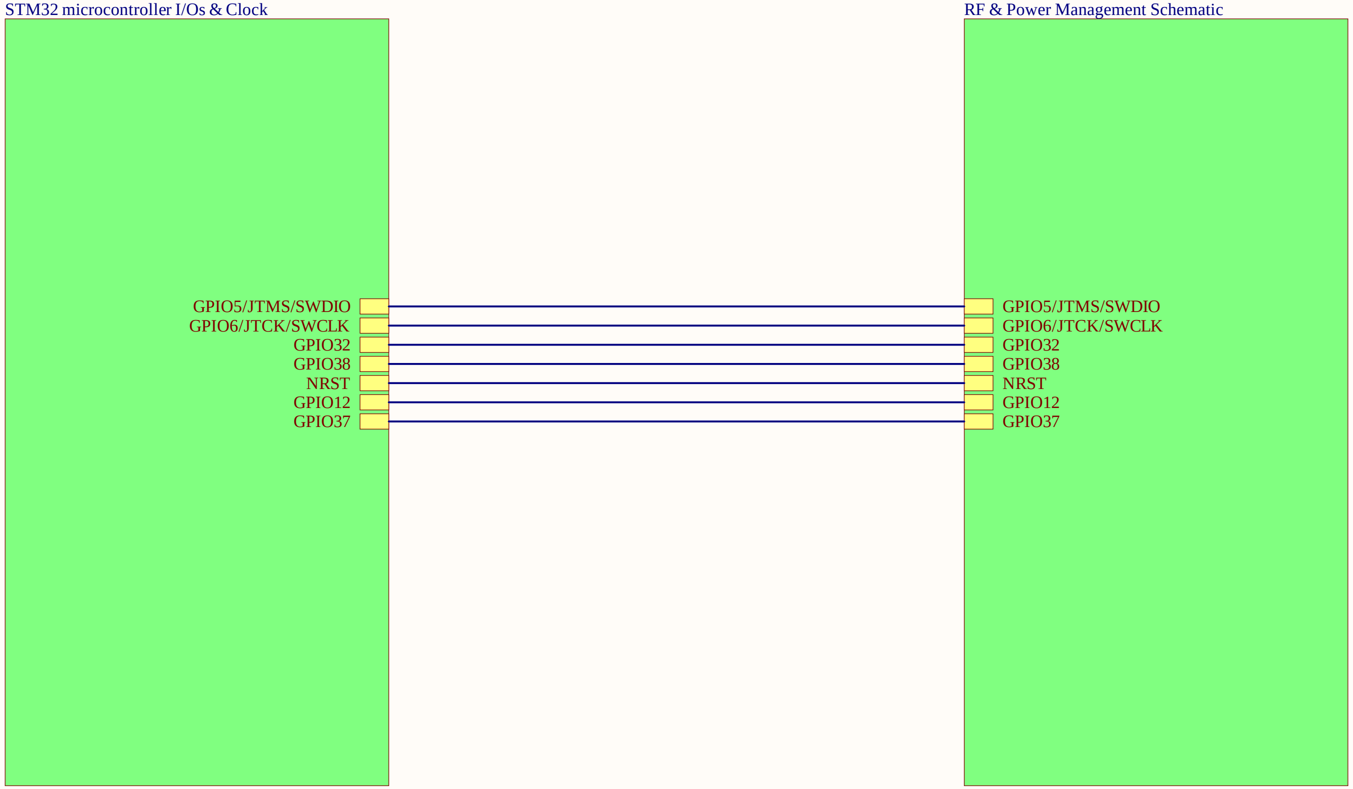
U_Top
Top.SchDoc

HW1
PCB
MB2515

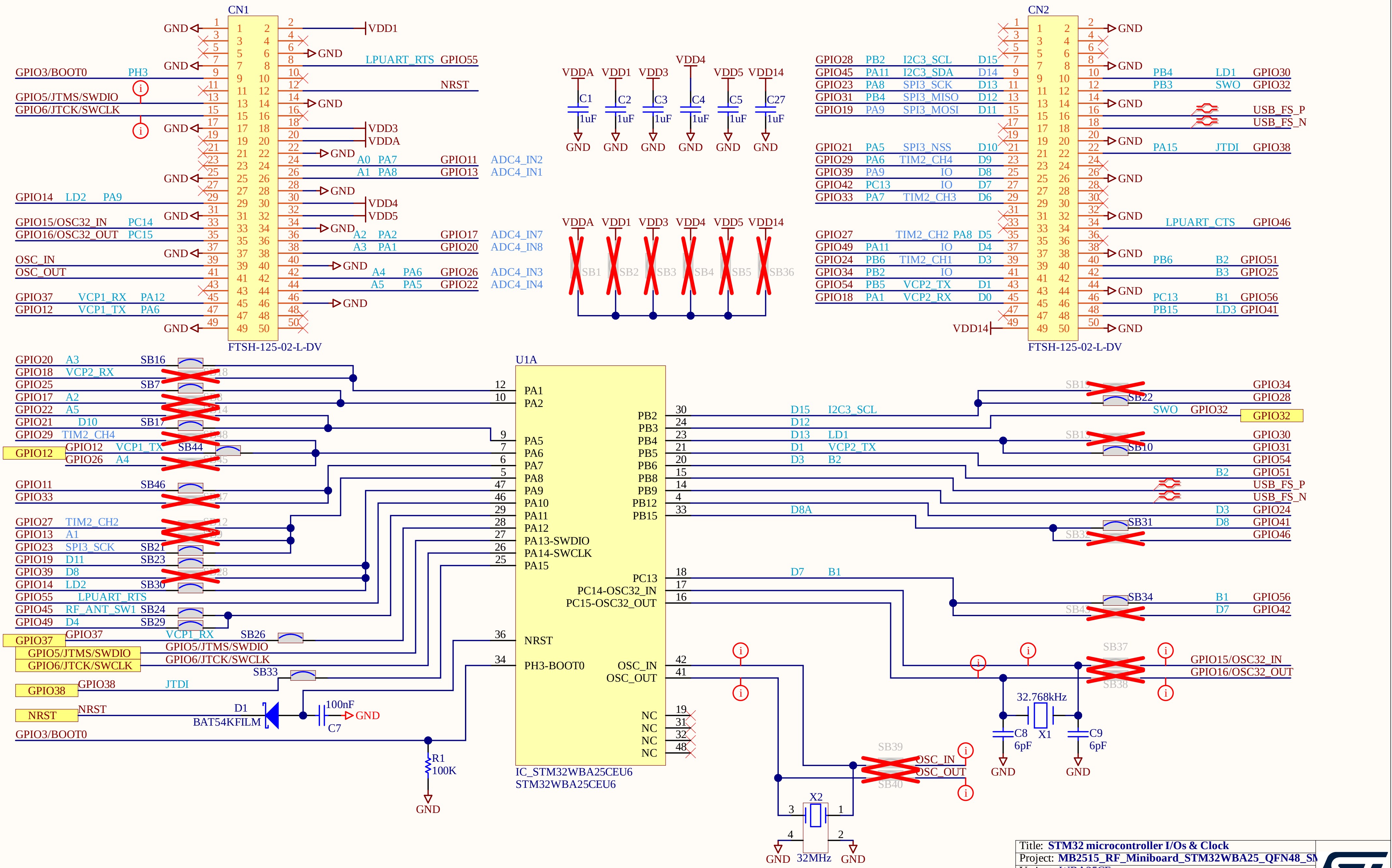
HW3
ES
N/A

HW4
STICKER PRODUCT
N/A

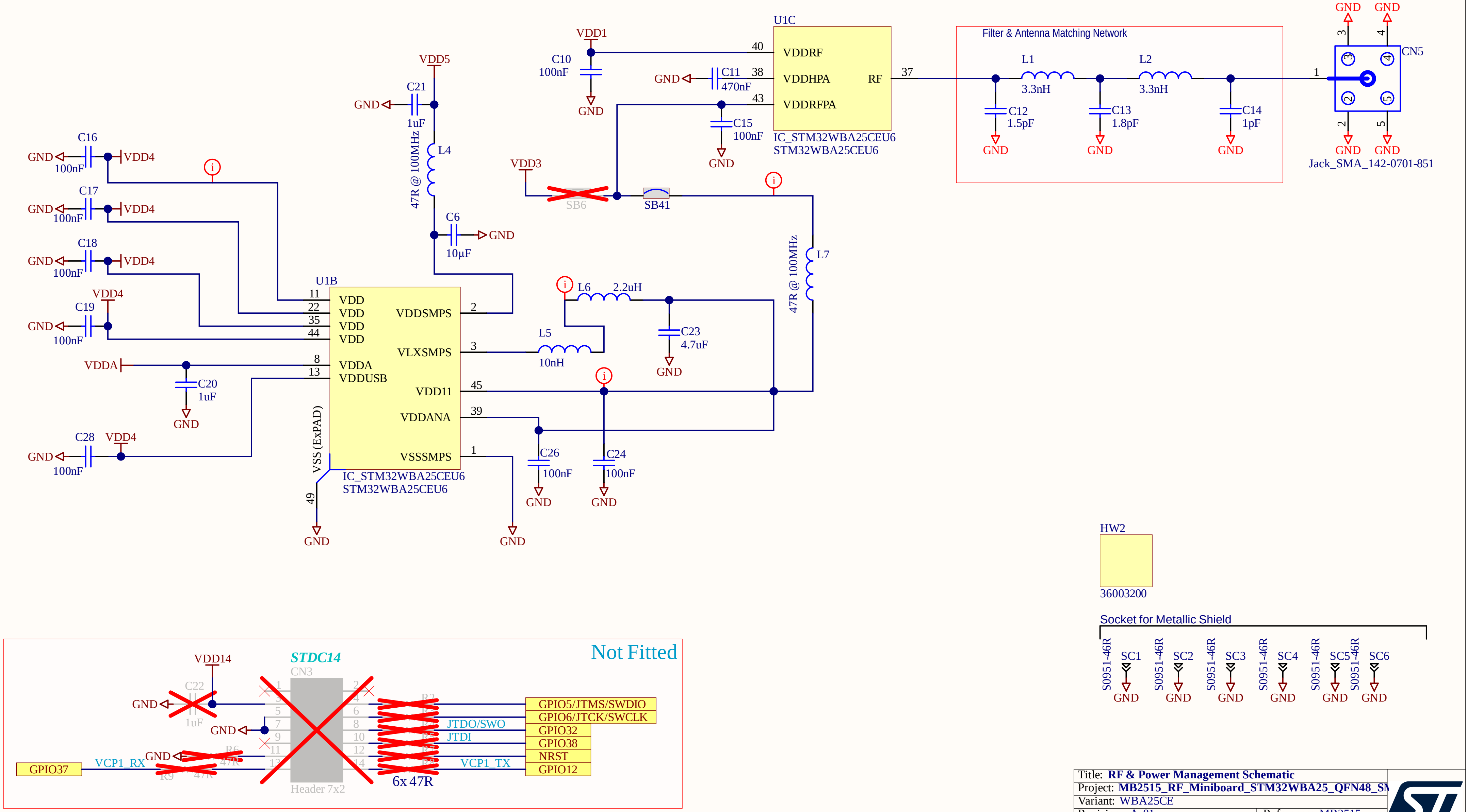
Title: **Project Overview**		
Project: **MB2515_RF_Miniboard_STM32WBA25_QFN48_S**		
Variant: WBA25CE		
Revision: A-01		Reference: MB2515
Size: A4	Date: 20-10-2025	Sheet: 1 of 4



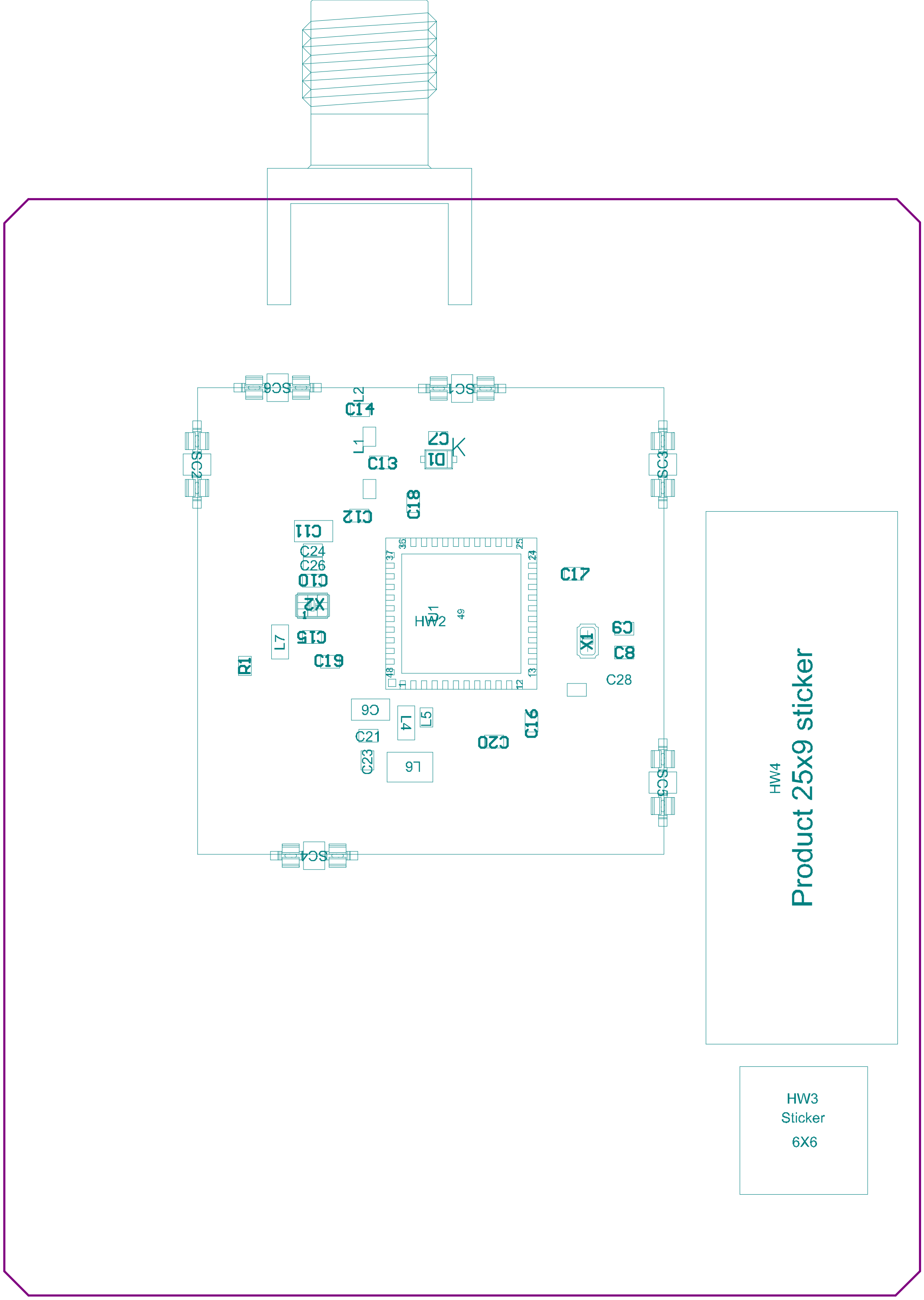
Title: **Top Schematic**	
Project: **MB2515_RF_Miniboard_STM32WBA25_QFN48_S**	
Variant: WBA25CE	
Revision: A-01	Reference: MB2515
Size: A4 Date: 20-10-2025	Sheet: 2 of 4



Title: **STM32 microcontroller I/Os & Clock**
Project: **MB2515_RF_Miniboard_STM32WBA25_QFN48_SM**
Variant: WBA25CE
Revision: A-01 | Reference: MB2515
Size: A4 | Date: 20-10-2025 | Sheet: 3 of 4



Title: **RF & Power Management Schematic**
Project: **MB2515_RF_Miniboard_STM32WBA25_QFN48_SM**
Variant: WBA25CE
Revision: A-01
Reference: MB2515
Size: A4
Date: 20-10-2025
Sheet: 4 of 4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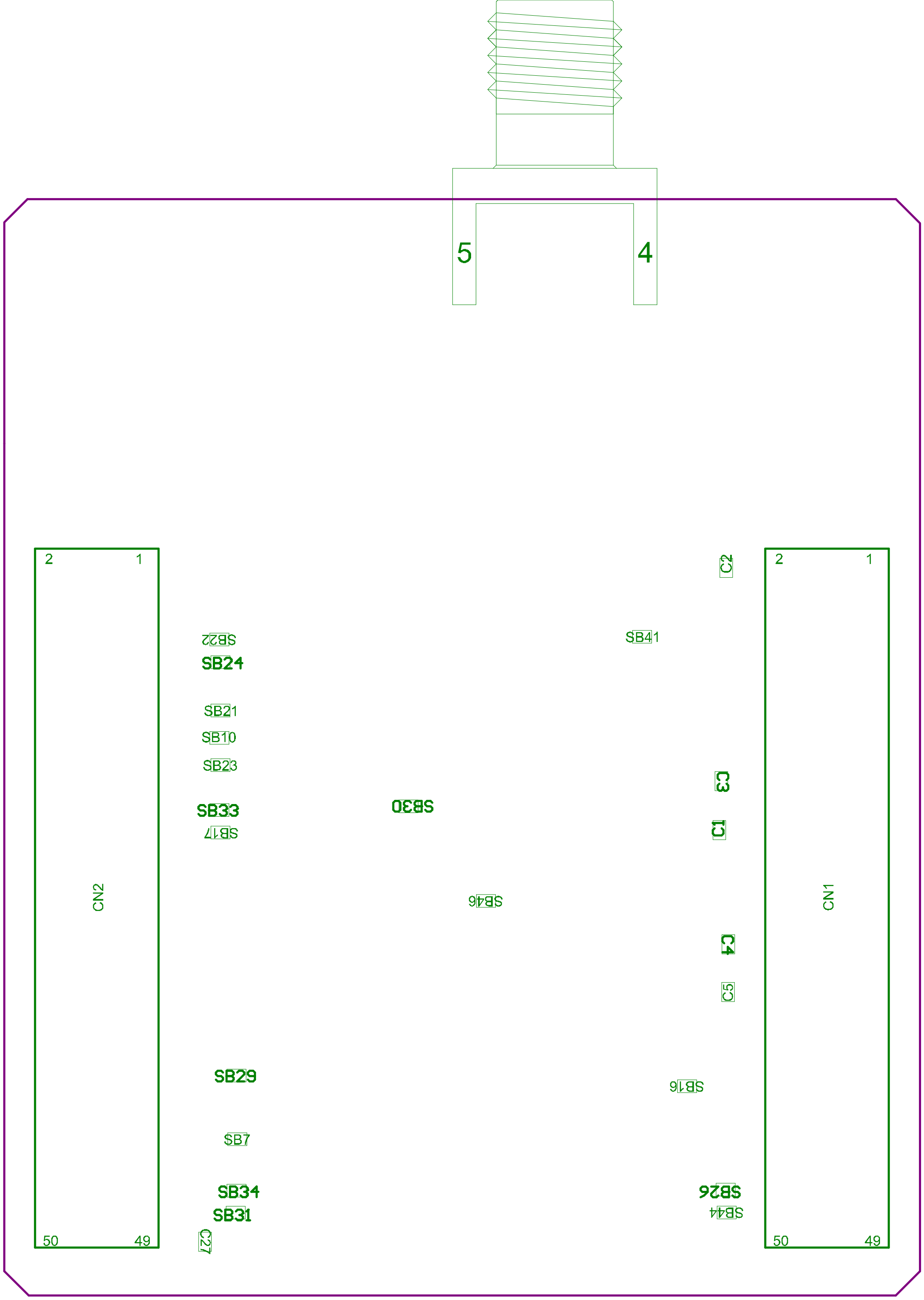
SC1
L2
C14
L1
C7
D1
K
SC2
C13
SC3
C18
C12
C11
C24
C26
C10
X2
1
36
25
37
24
U1
HW2
49
48
1
12
13
C17
C9
X1
C8
L7
C15
R1
C19
C28
C6
L4
L5
C16
C21
C20
C23
L6
SC5
SC4
HW4
Product 25x9 sticker
HW3
Sticker
6X6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CN2
50
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CN1
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SB22
SB24
SB41
SB21
SB10
SB23
C3
SB33
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SB46
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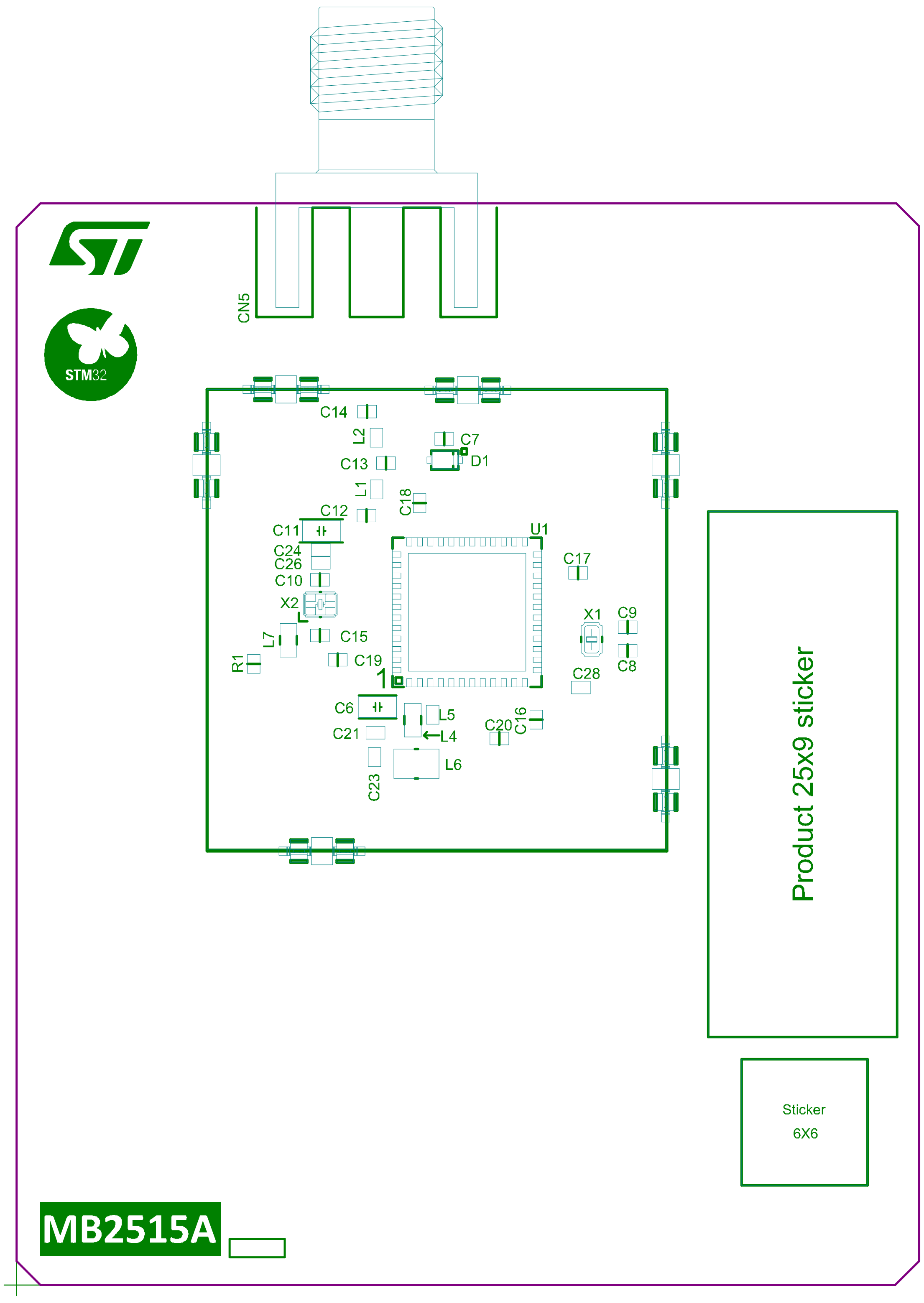
SB29
SB16
SB7
SB34
SB26
SB31
SB44
C27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STM32
C14
L2
C7
D1
C13
L1
C18
C12
C11
U1
C24
C26
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C17
X2
X1
C9
L7
C15
C8
R1
C19
C28
1
C6
L5
C20
C16
C21
L4
L6
C23
Product 25x9 sticker
Sticker
6X6
MB2515A

Layer	Name	Material	Thickness	Constant	Board Layer Stack
	Top Overlay				
	Top Solder	Solder Resist	0.018mm	4.2	
1	Top Layer		0.041mm		
	Dielectric 1	FR-4	0.076mm	3.7	
2	Internal 1		0.030mm		
	Dielectric 3	FR-4	1.270mm	4.5	
3	Internal 2		0.030mm		
	Dielectric 2	FR-4	0.076mm	3.7	
4	Bottom Layer		0.041mm		
	Bottom Solder	Solder Resist	0.018mm	4.2	
	Bottom Overlay				

Total board thickness: 1.600mm