

Reference Design STM32WL3R - QFN32 - 2-Layers - IPD

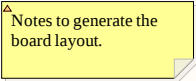
MB2408

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- Sheet 2: Top
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- Sheet 4: Supply
- Sheet 5 : RF front-end

Legend

- General comment such as function title, configuration, ...
- Text to be added to silkscreen.
- Warning text.



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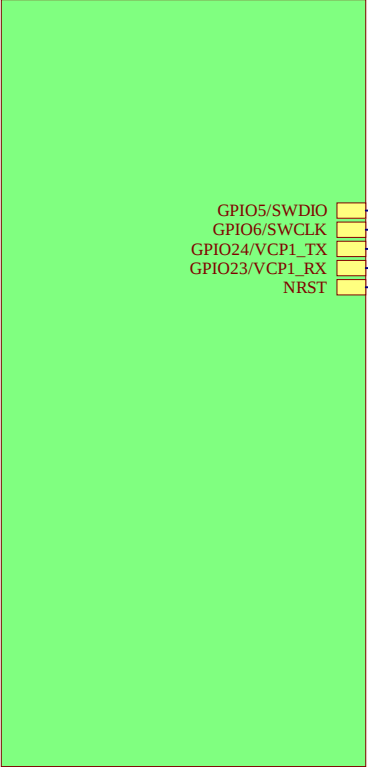
U_Top
Top.SchDoc



Title: Project Overview		
Project: Reference Design STM32WL3R - QFN32 - 2-Layers - IPD		
Variant: 315_16dBm		
Revision: A-02	Reference: MB2408	
Size: A4	Date: 19/02/2025	Sheet: 1 of 5

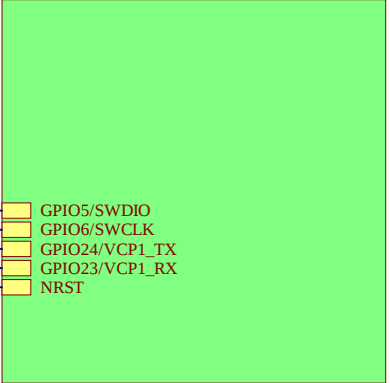


Designator
MCU_IOs.SchDoc



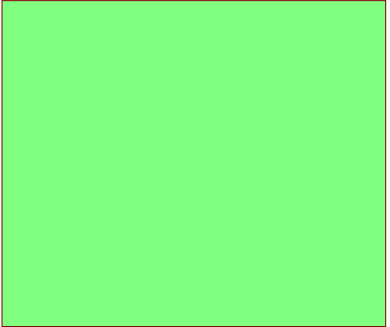
GPIO5/SWDIO
GPIO6/SWCLK
GPIO24/VCP1_TX
GPIO23/VCP1_RX
NRST

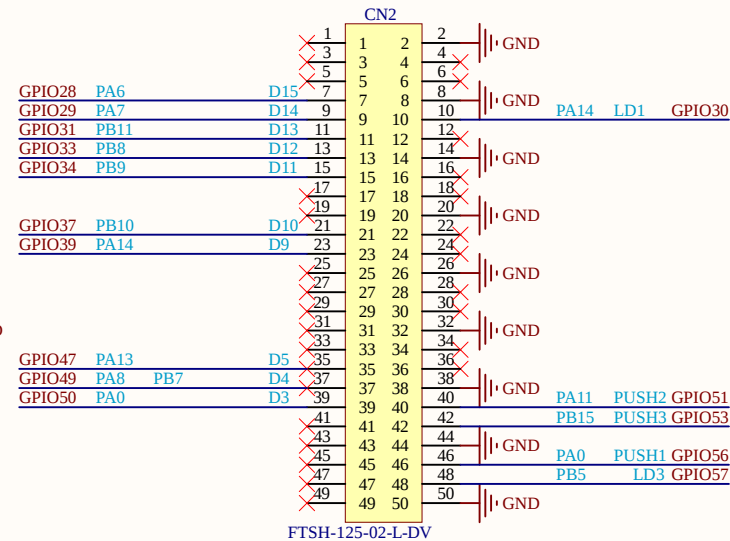
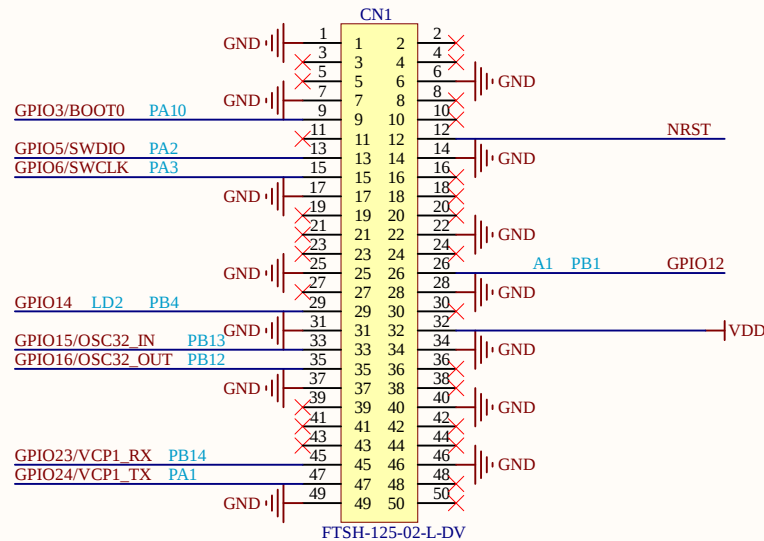
Designator
Supply.SchDoc



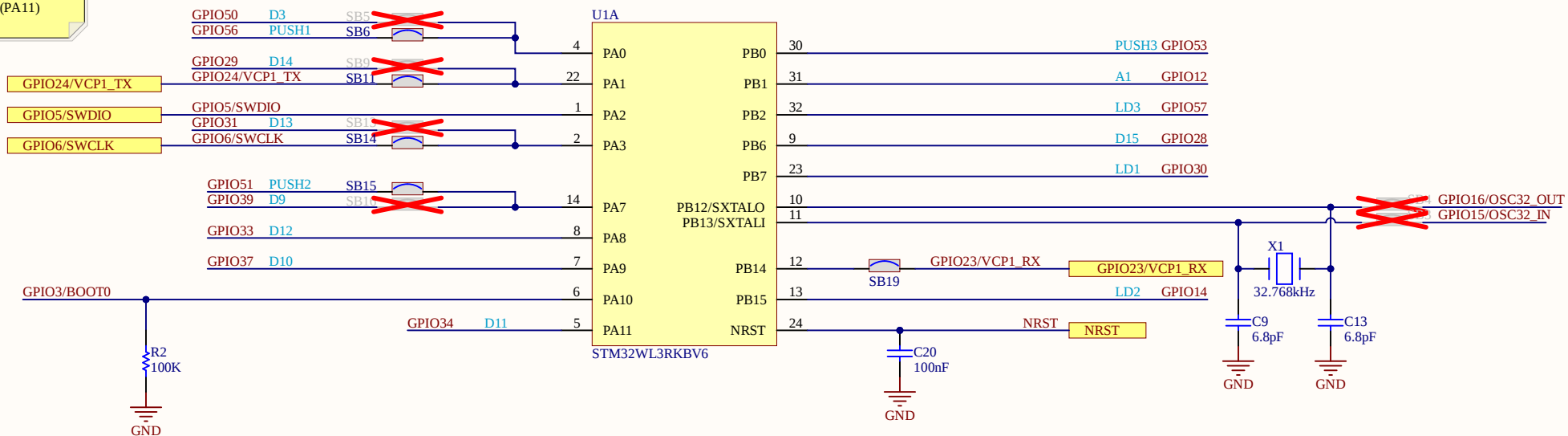
GPIO5/SWDIO
GPIO6/SWCLK
GPIO24/VCP1_TX
GPIO23/VCP1_RX
NRST

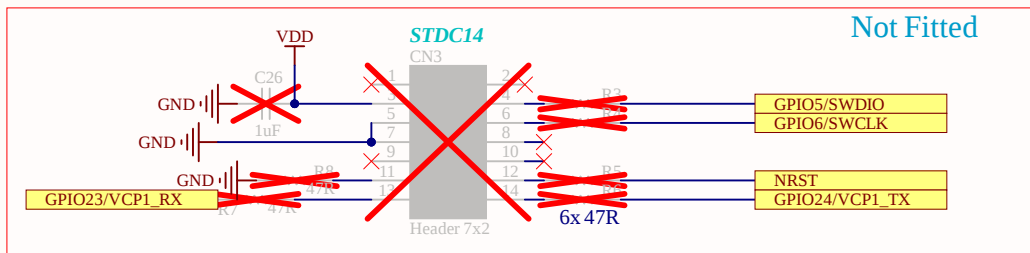
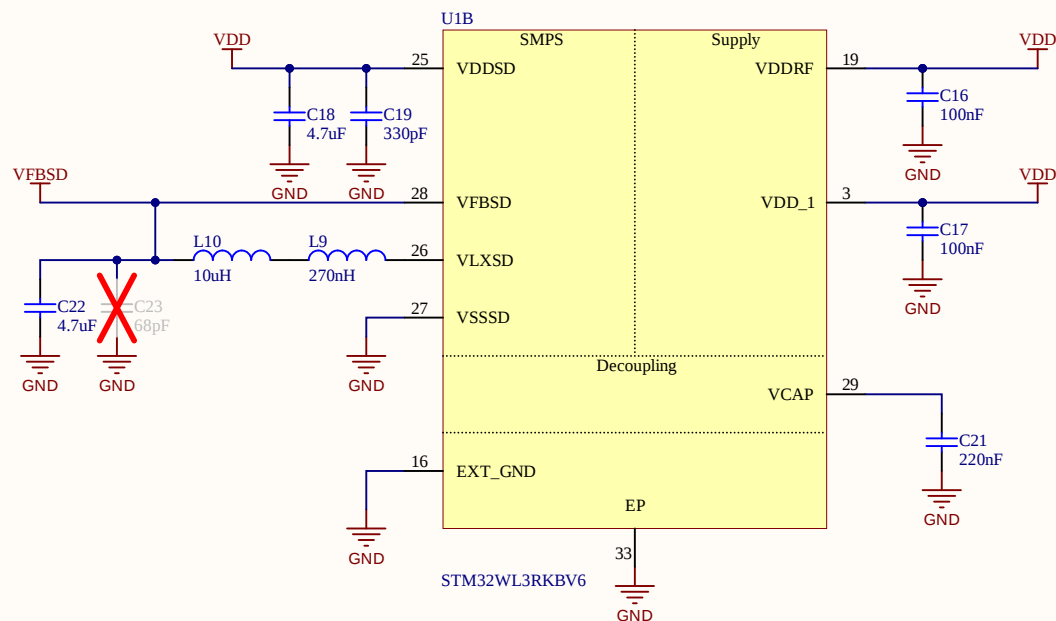
Designator
RF.SchDoc

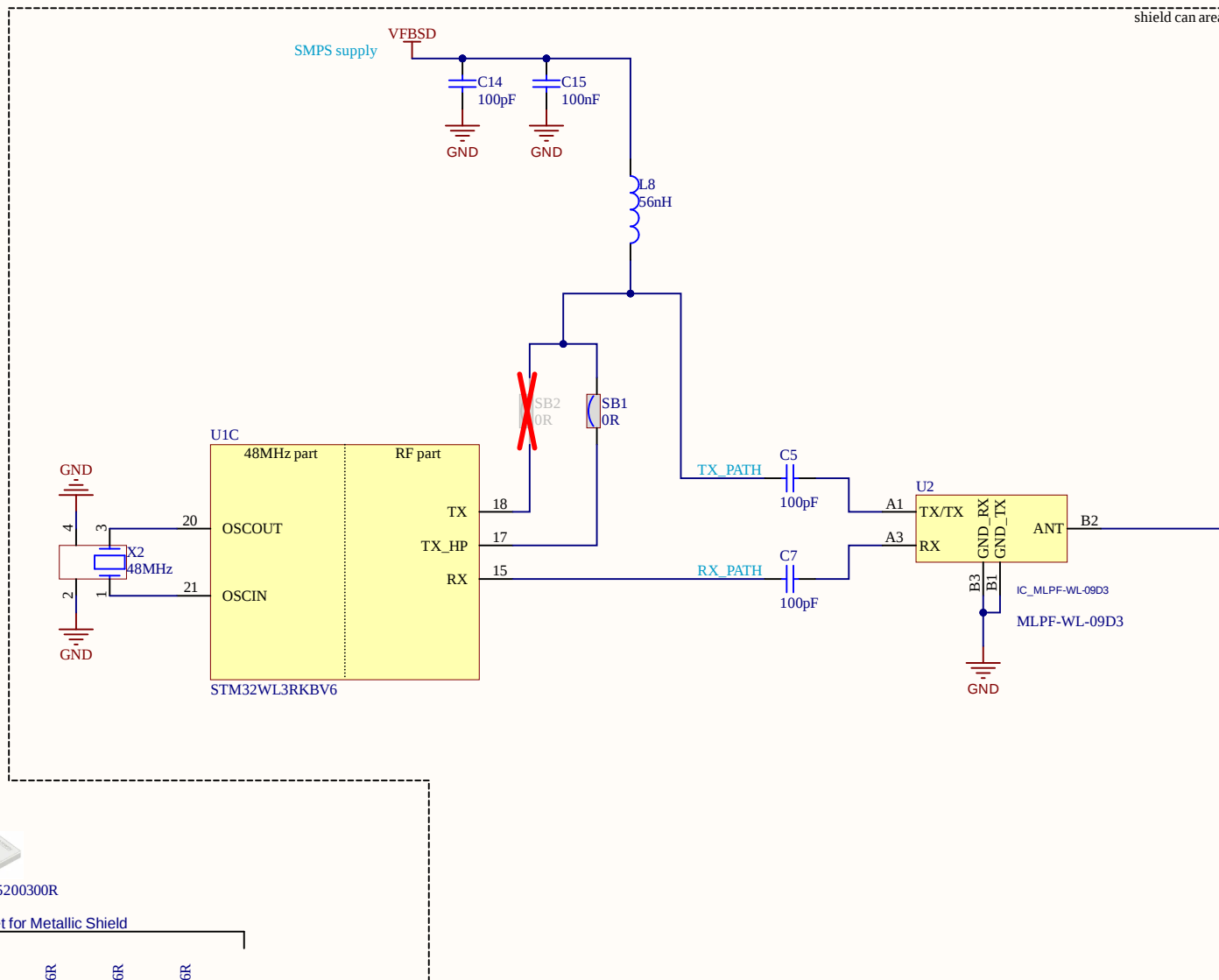




D14 is I2C1_SDA Arduino (PA1)
 D13 is SPI_SCK Arduino (PA3)
 D9 is PWM Arduino, TIM2_CH2 (PA7)
 D12 is SPI_MISO Arduino (PA8)
 D10 is SPI_NSS Arduino (PA9)
 D15 is I2C1_SCL Arduino (PB6)
 D11 is SPI_MOSI Arduino (PA11)

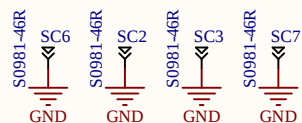




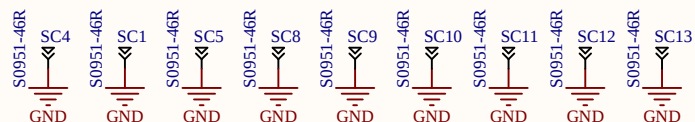


HW1
S02-25200300R

Socket for Metallic Shield



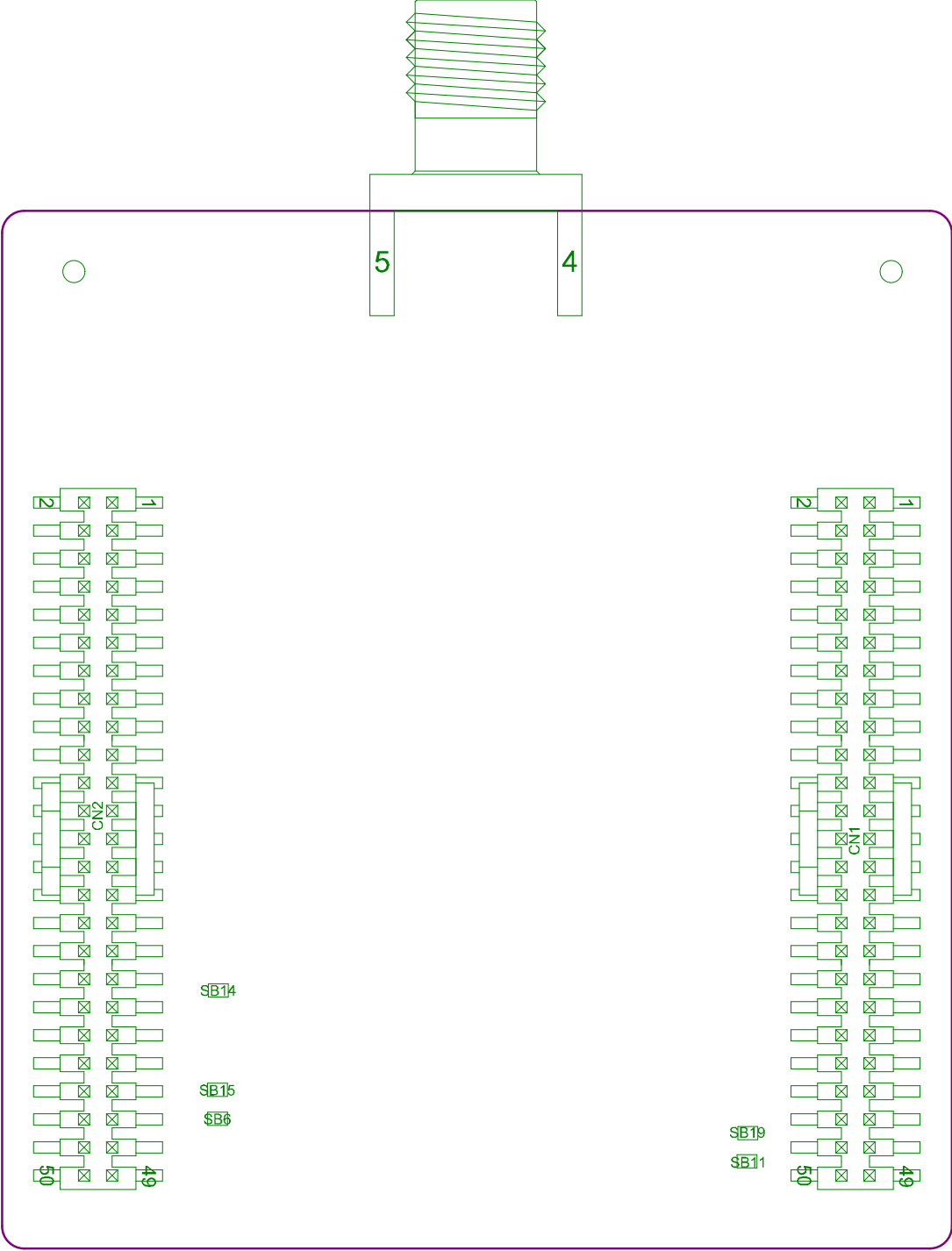
Corner clips



straight clips

Title: STM32 RF		
Project: Reference Design STM32WL3R - QFN32 - 2-Layers - IPD		
Variant: 315_16dBm		
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Project: Reference Design STM32WL3R - QFN32 - 2-Layers - IPD

Layer: M15-Bottom Assembly

Gerber:.GM15

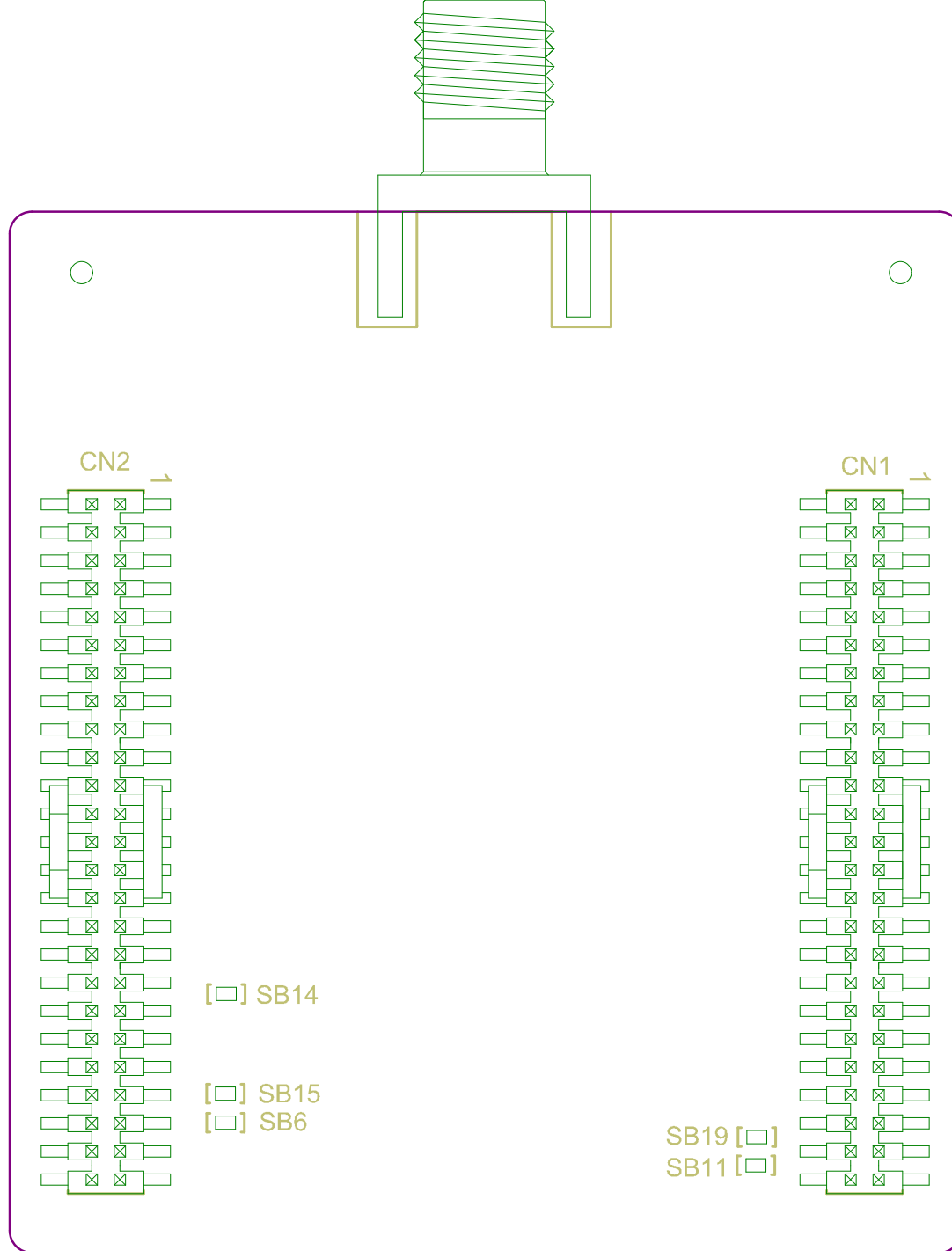
Variant: 315_16dBm

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Date: 19/02/2025

Rev: A





Bottom Overlay

.GBO