

# NUCLEO64 STM32G4

MB1367

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## 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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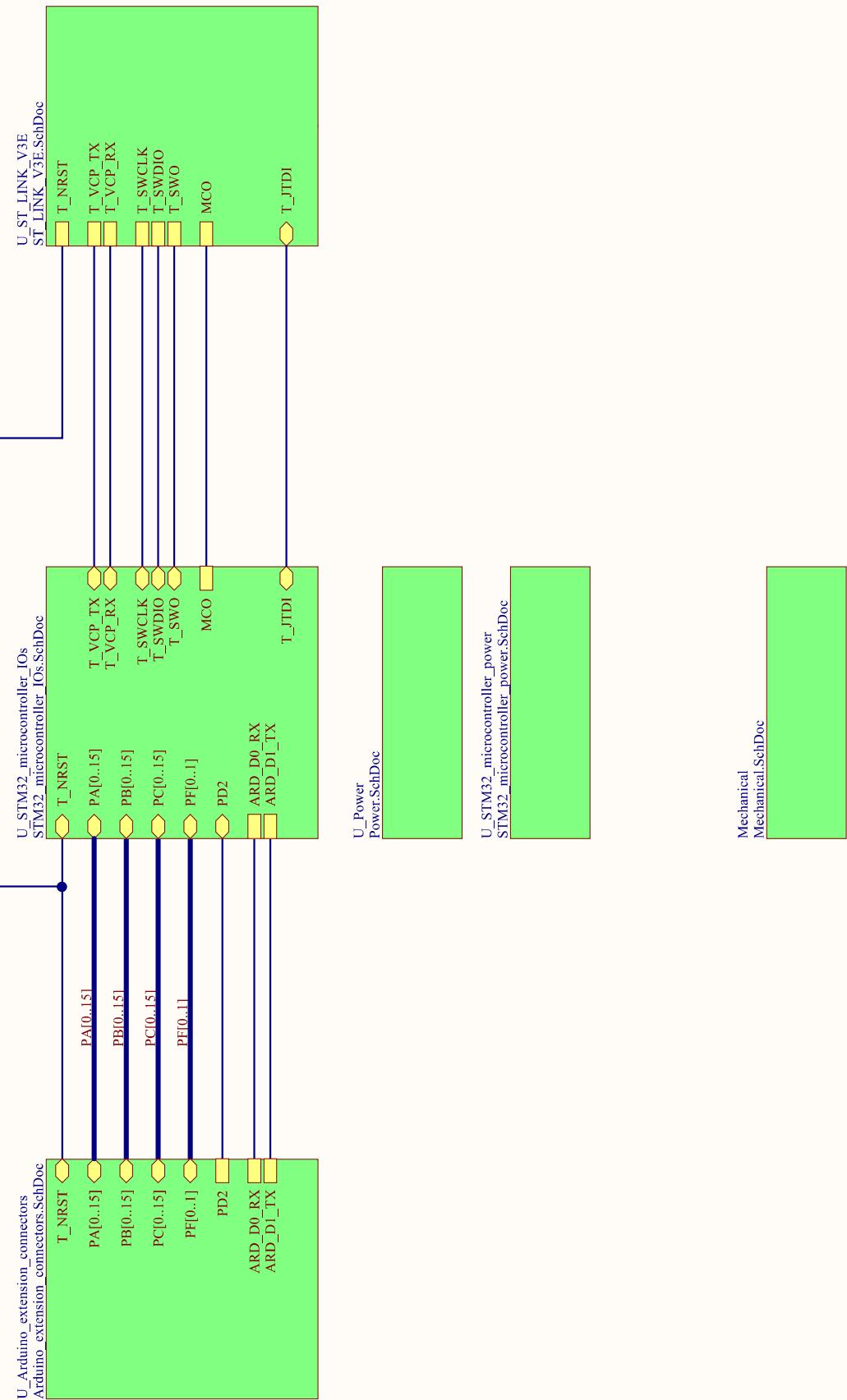
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Title: Project overview	Project: NUCLEO64 STM32G4
Variant: G431RB	
Revision: C-04	
Size: A4	Date: 21-January-19
	Sheet: 1 of 8





Title: Top hierarchical view

Project: NUCLEO64 STM32G4

Variant: G431RB

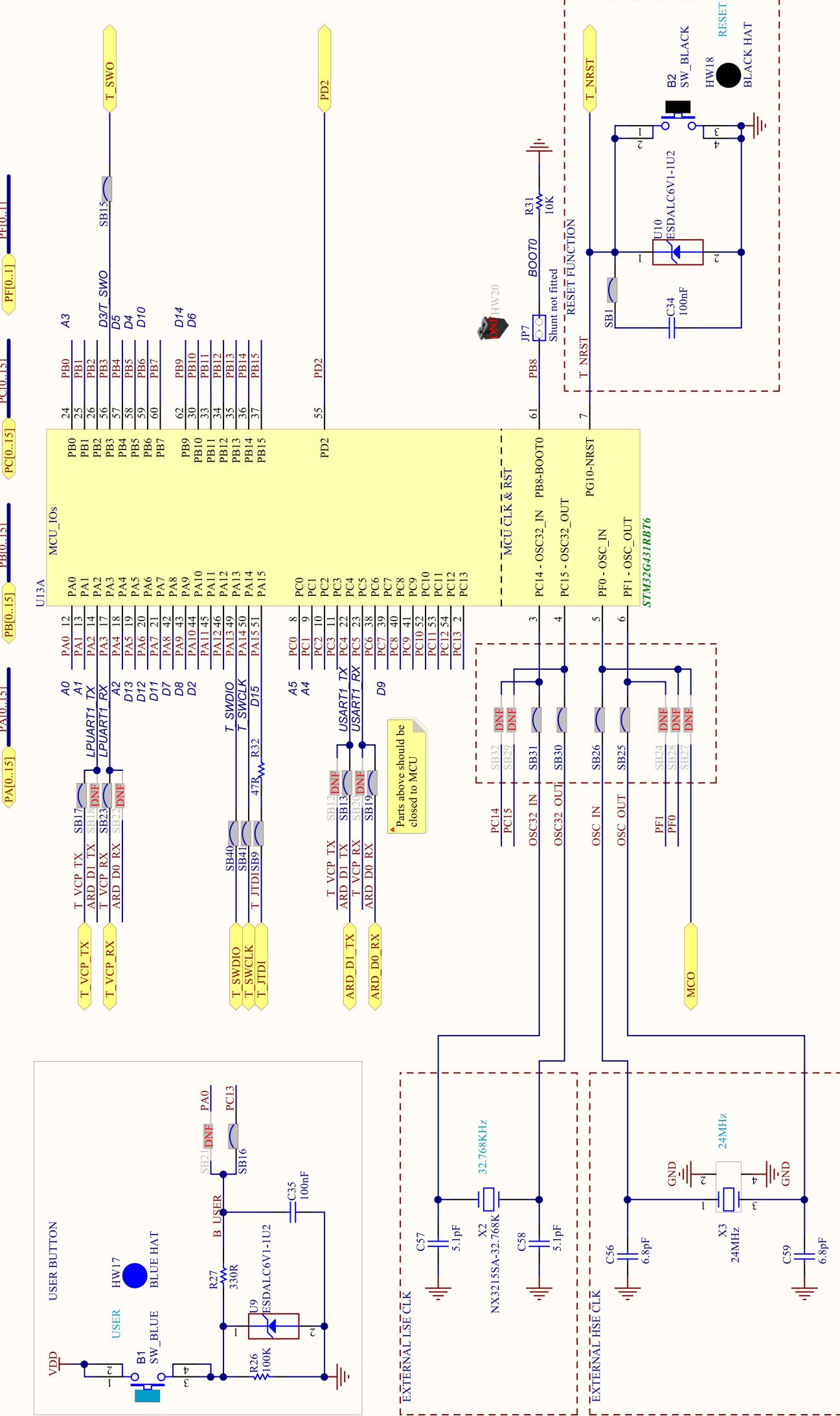
Revision: C-04

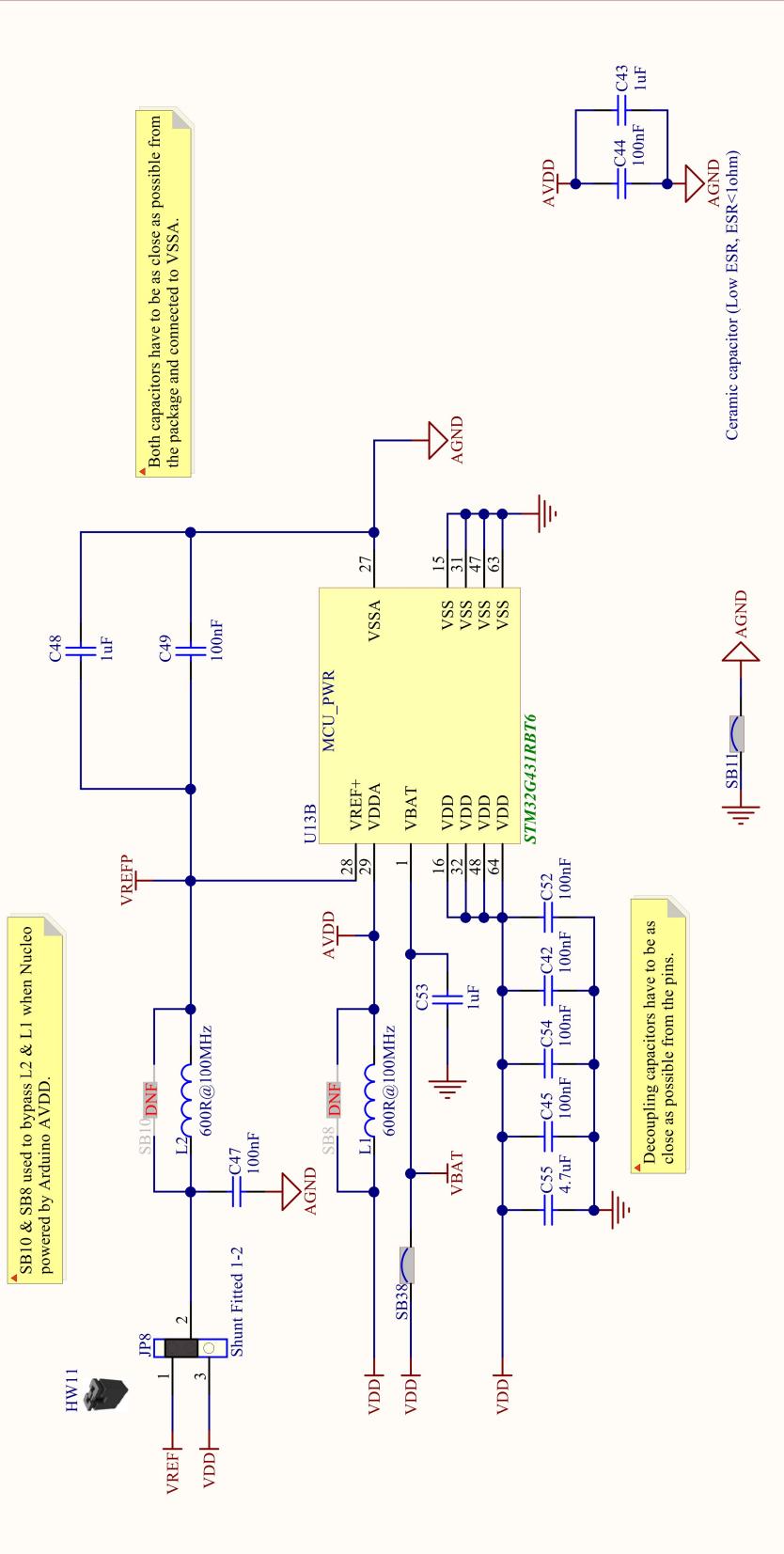
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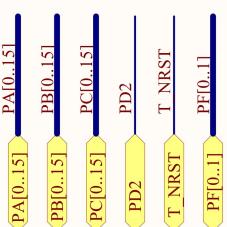
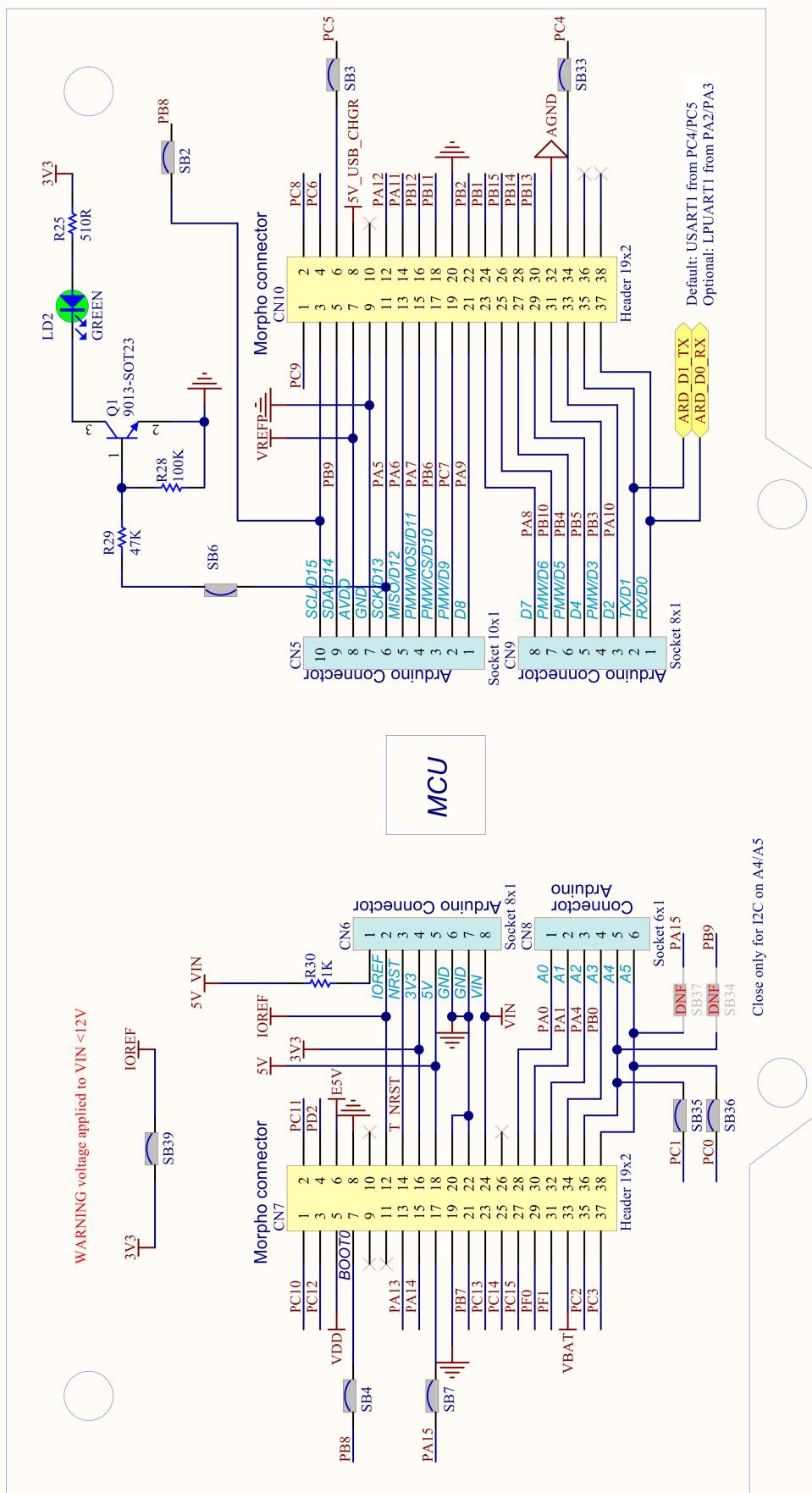
Date: 21-January-19

Reference: MB1367

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**WARNING** voltage applied to VIN < 12V

Title: Arduino & Morpho extension connectors

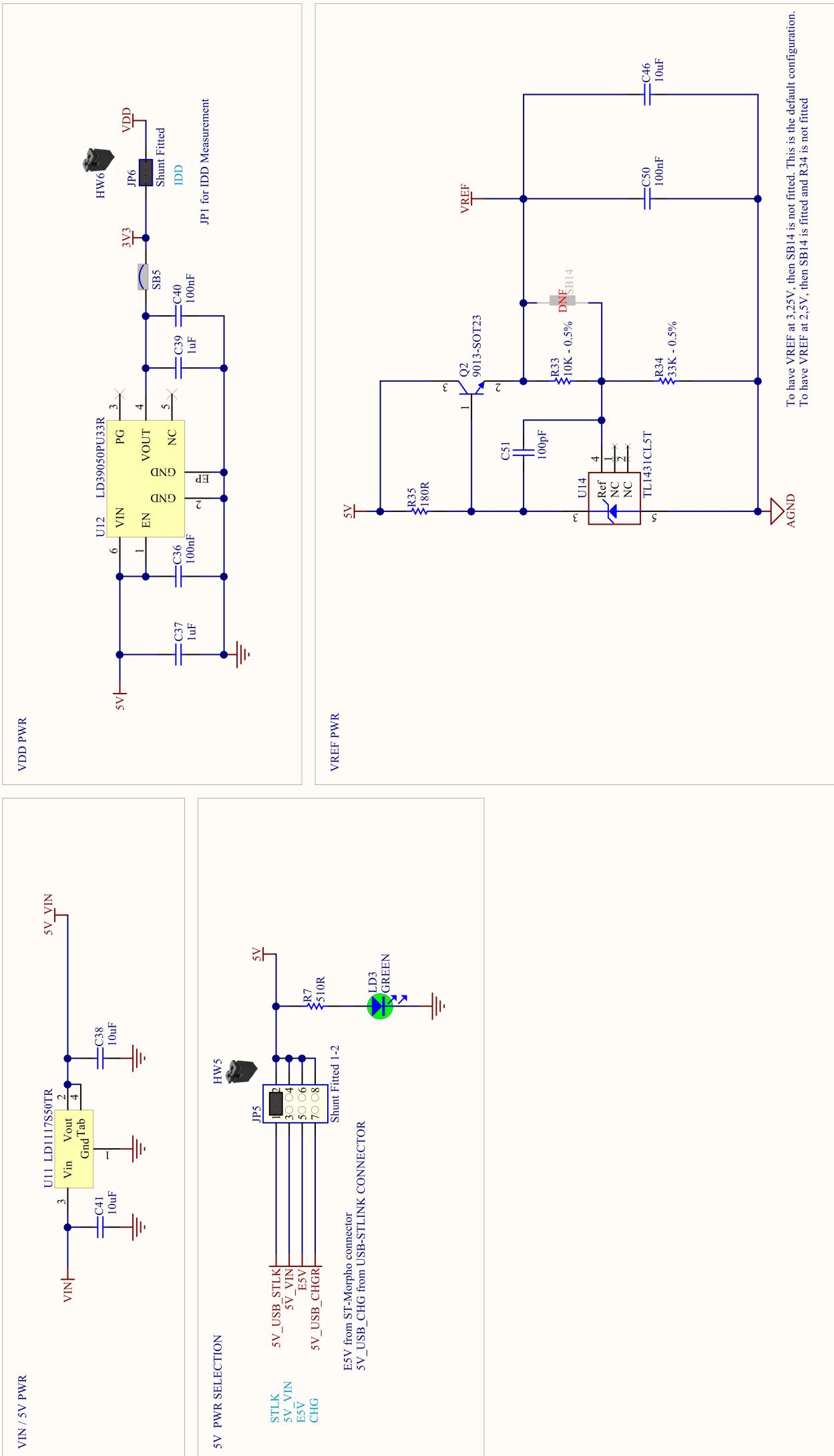
Title: Planning & Managing Project

Project: NCEEE  
Variant: G431BB

Valiant: U431KB  
Revision: C 01

Revision: C-04

Size: A4 Date:



Title: Main power 5V / 3V3

Project: NUCLEO-064 STM32G4

Variant: G431RB

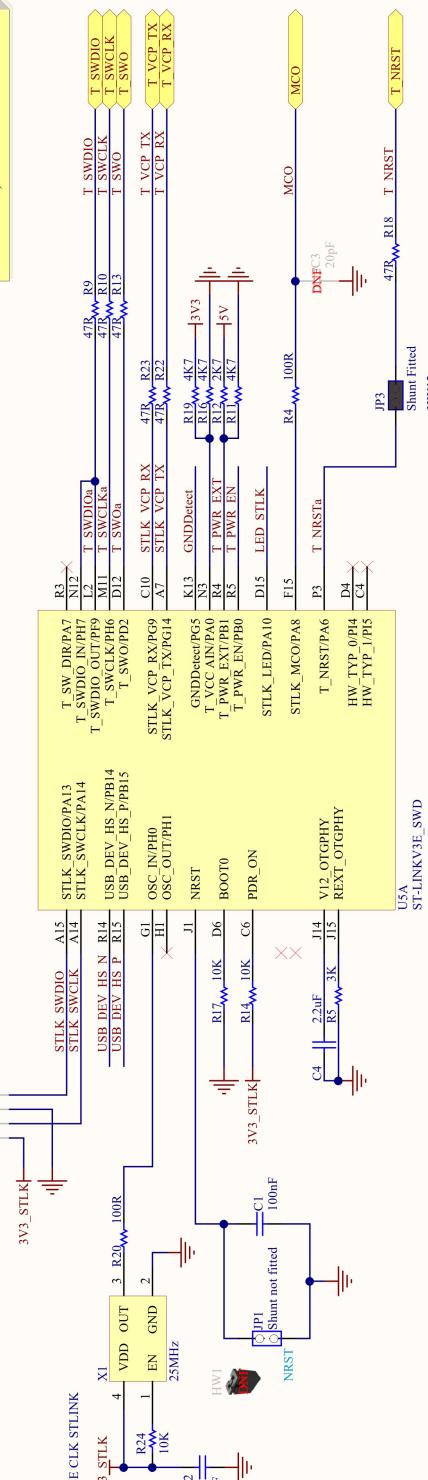
Revision: C-04

Size: A4 Date: 21-January-19 Sheet: 6 of 8 Reference: MB1367

## STLINK\_MCU

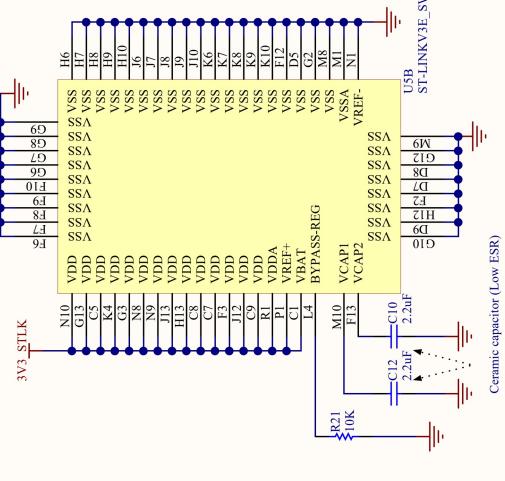
DFU CONNECTOR CN2  
 Header 4x1 DFN

Connector must be on the border of the PCB



## ST-LINK POWER

The routing of the tracks must be done on continuity from ST-LINK to 47 Ohms resistors and from resistors to target MCU to avoid stub routes and EMC approach. (47 Ohms resistors must be very close to MIP10)



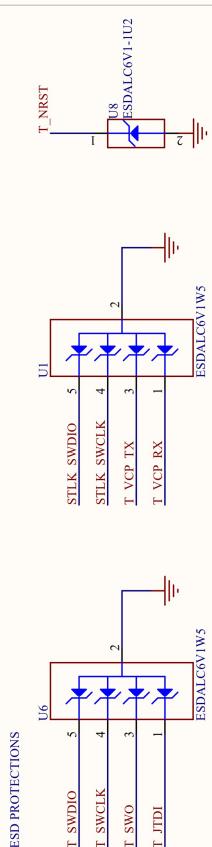
STLINK\_V3E\_SWD

STLINK\_V3E\_SWD

Ceramic capacitor (Low ESR)



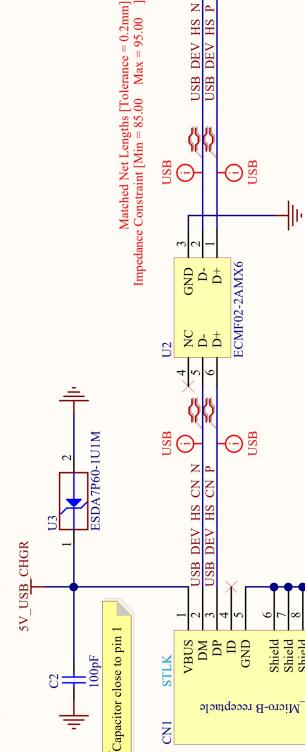
ESD PROTECTIONS



## ST-LINK USB CONNECTOR

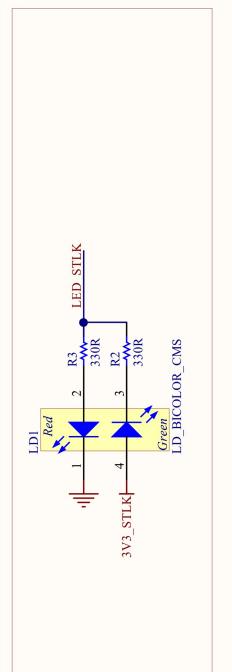
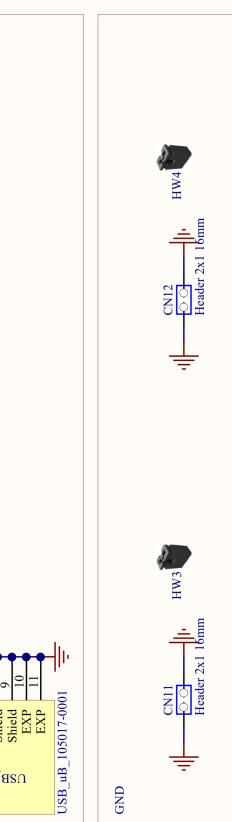
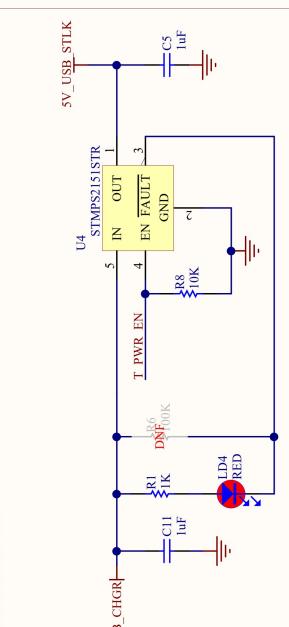
5V\_USB\_CHGR

Capacitor close to pin 1



5V\_USB\_STLK

STLINK PROTECTION



HW101	HW102	HW108
BOARD REF	BOARD CPN	ES
MBI367C-03 syywwwxxxx	NUCLEO-G431RB	ES
HW100		
PCB		
MBI367C		
HW103	HW106	HW104
LOGO NUCLEO	LOGO ST	LOGO CE
		LOGO ESD
		LOGO ROHS

Title: Mechanical  
Project: NUCLEO64 STM32G4  
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