

NUCLEO64 STM32G4

MB1367

Table of contents

Sheet 1: Project overview (this page)

Sheet 2: mb1367_Top

Sheet 3: STM32 microcontroller I/Os

Sheet 4: STM32 microcontroller power

Sheet 5: Arduino & Morpho extension connectors

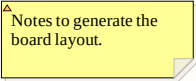
Sheet 6: Power

Sheet 7: ST-Link/V3E

Sheet 8: Mechanical

Legend

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



OPEN PLATFORM LICENSE AGREEMENT

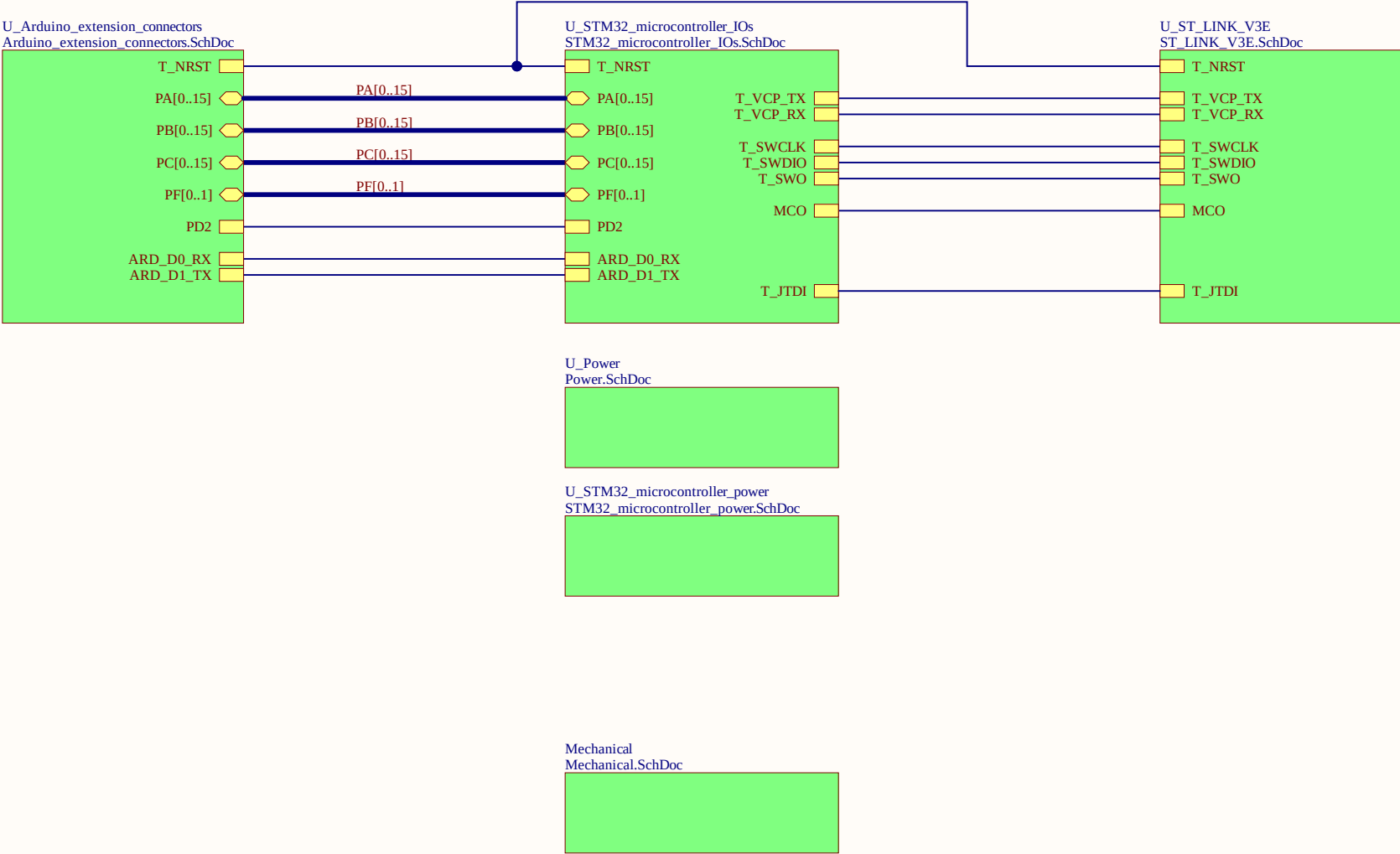
The Open Platform License Agreement (“Agreement”) is a binding legal contract between you (“You”) and STMicroelectronics International N.V. (“ST”), a company incorporated under the laws of the Netherlands acting for the purpose of this Agreement through its Swiss branch 39, Chemin du Champ des Filles, 1228 Plan-les-Ouates, Geneva, Switzerland.

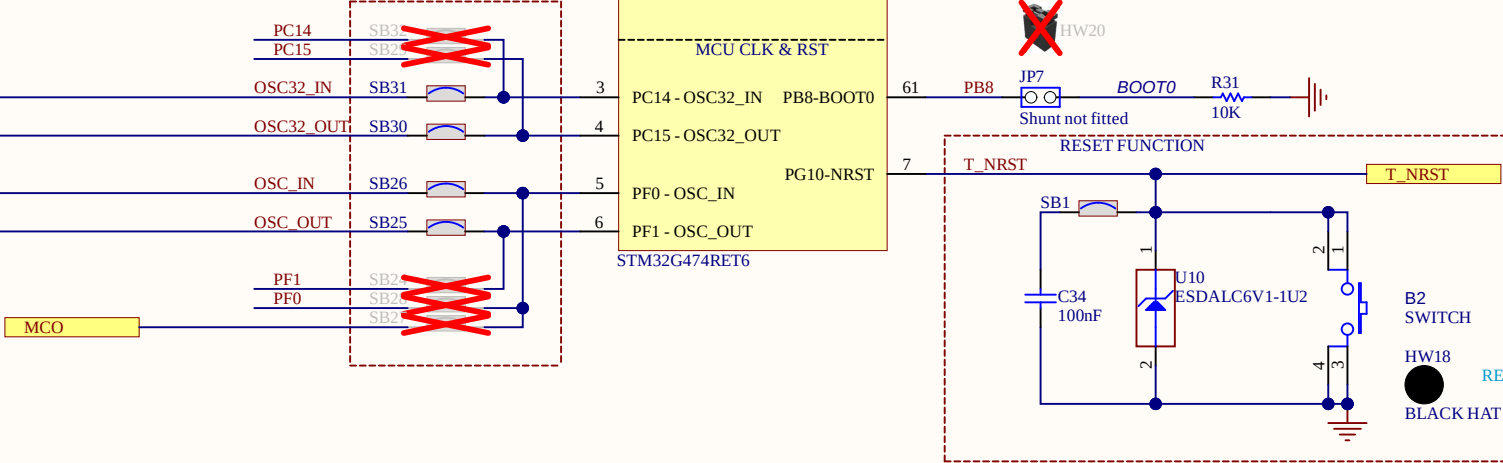
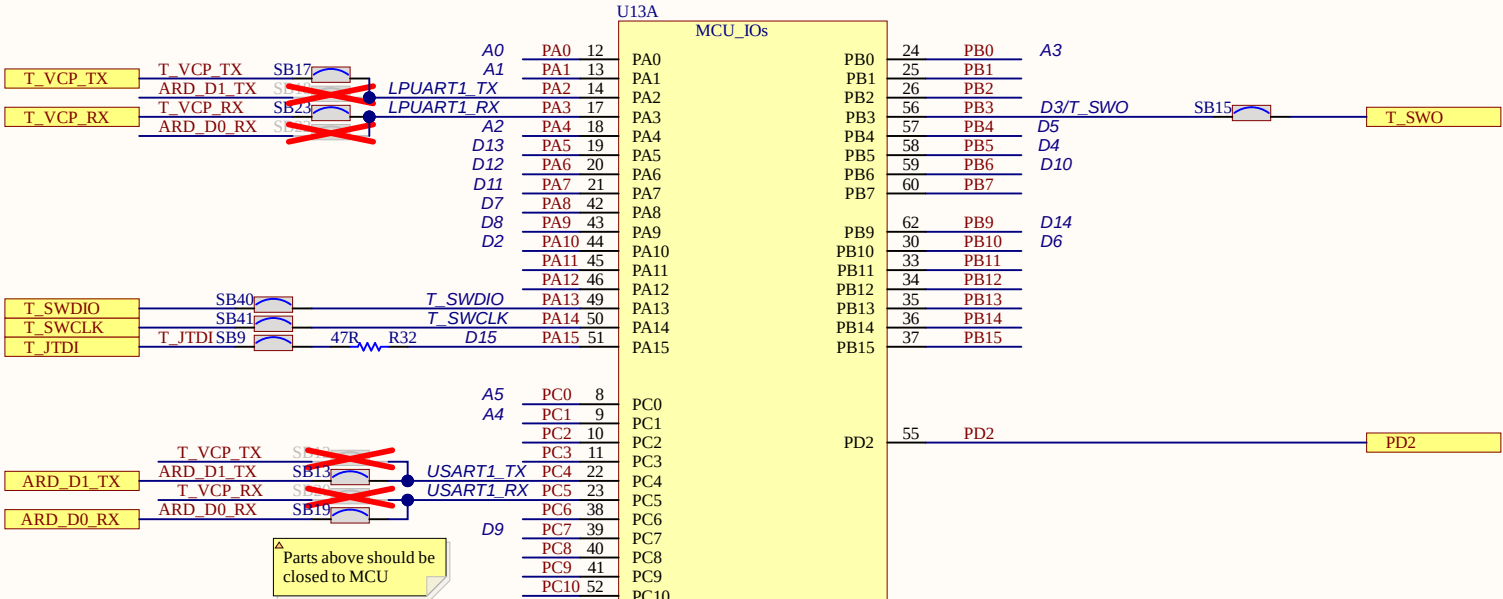
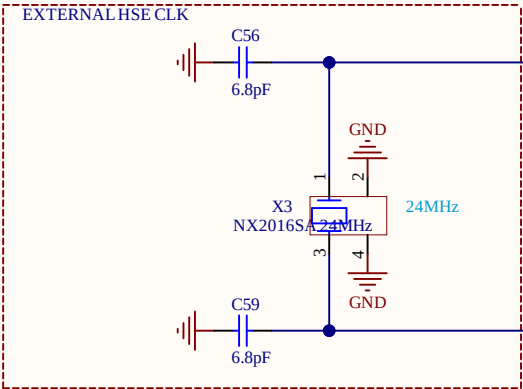
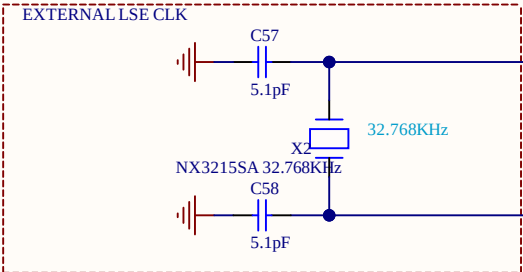
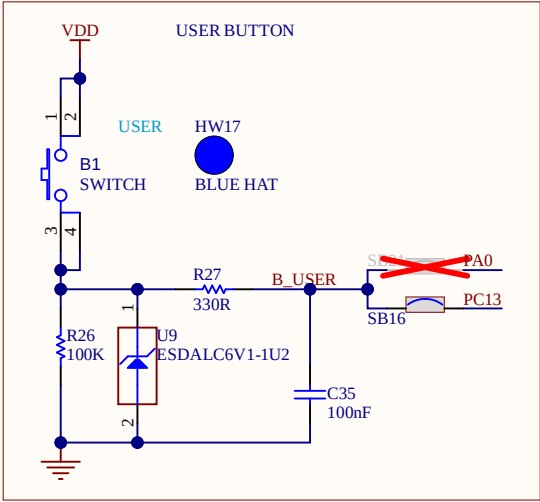
By using the enclosed reference designs, schematics, PC board layouts, and documentation, in hardcopy or CAD tool file format (collectively, the “Reference Material”), You are agreeing to be bound by the terms and conditions of this Agreement. Do not use the Reference Material until You have read and agreed to this Agreement terms and conditions. The use of the Reference Material automatically implies the acceptance of the Agreement terms and conditions.

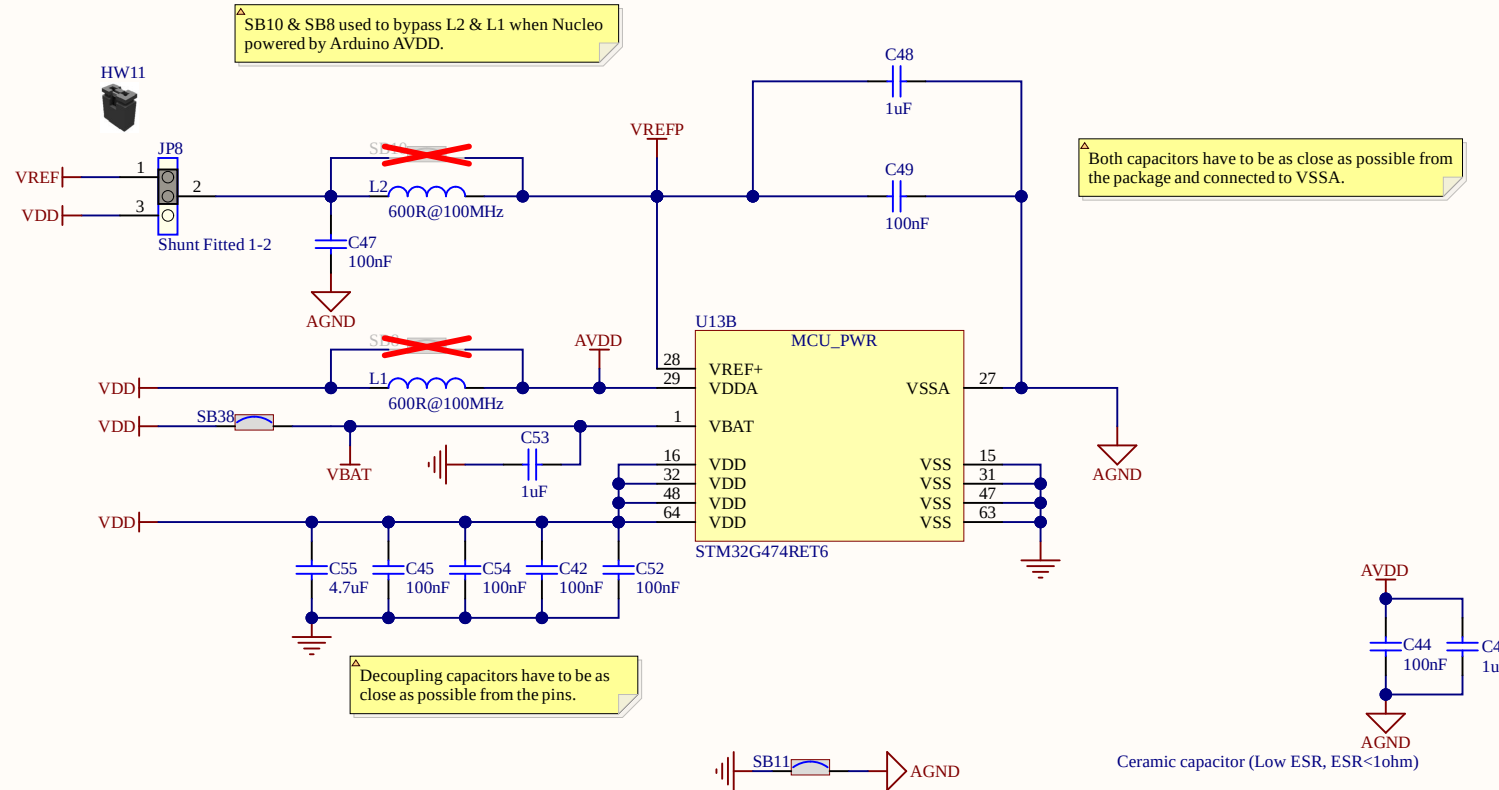
The complete Open Platform License Agreement can be found on www.st.com/opla.

U_mb1367_Top
mb1367_Top.SchDoc

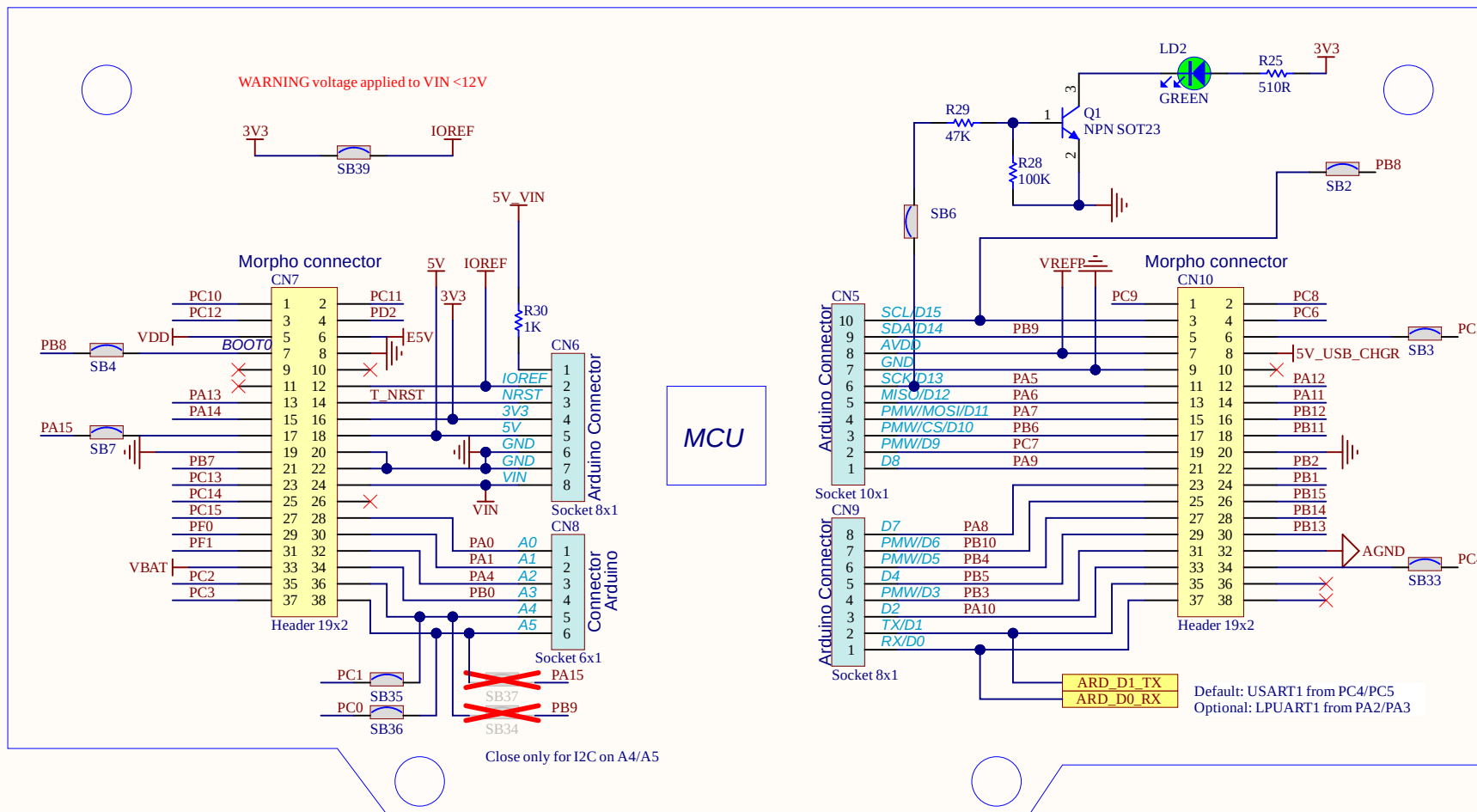




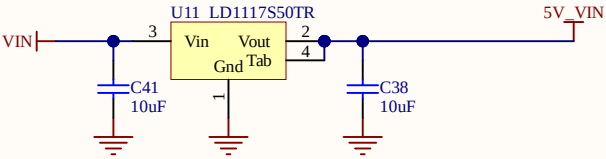




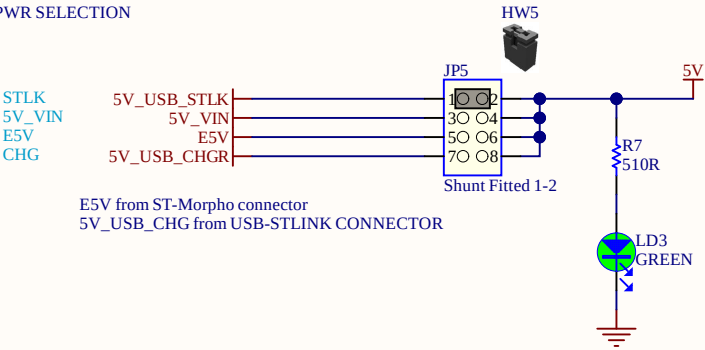
PA[0..15] PA[0..15]
 PB[0..15] PB[0..15]
 PC[0..15] PC[0..15]
 PD2 PD2
 T_NRST T_NRST
 PF[0..1] PF[0..1]



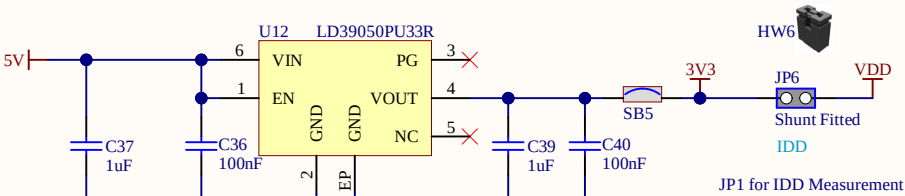
VIN / 5V PWR



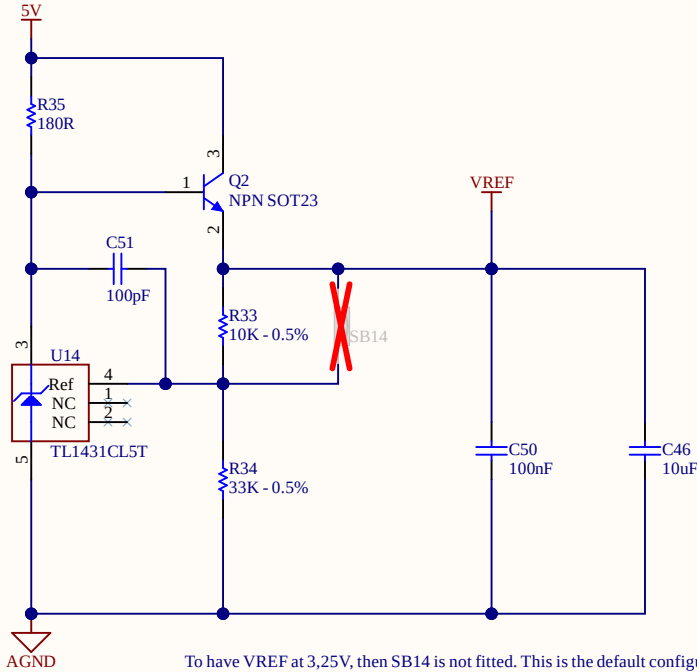
5V PWR SELECTION



VDD PWR



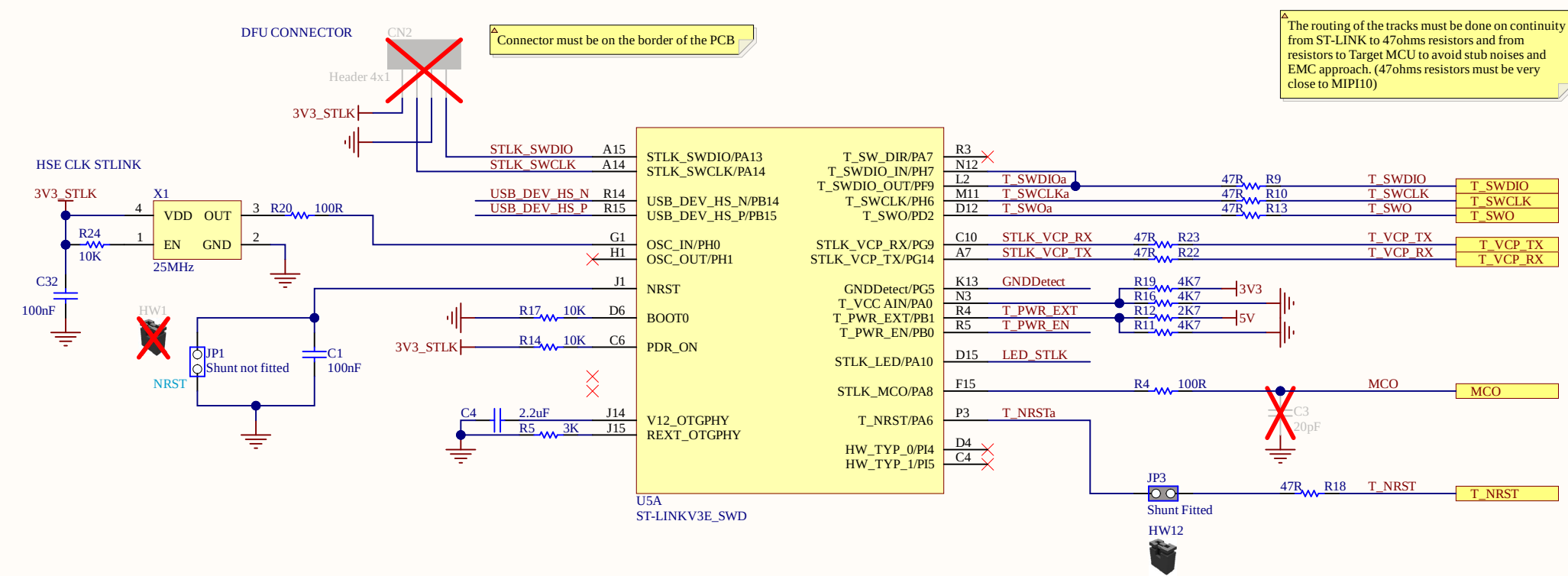
VREF PWR



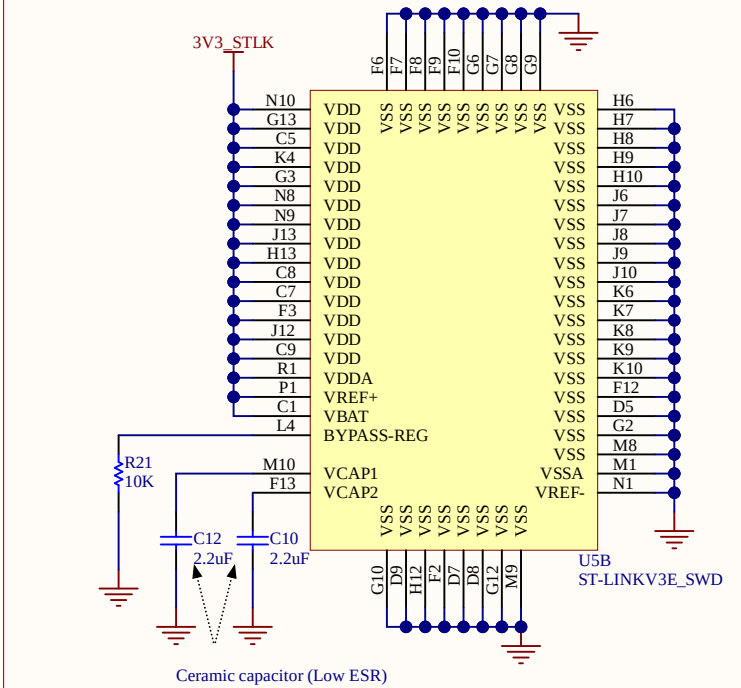
To have VREF at 3,25V, then SB14 is not fitted. This is the default configuration.
To have VREF at 2,5V, then SB14 is fitted and R34 is not fitted



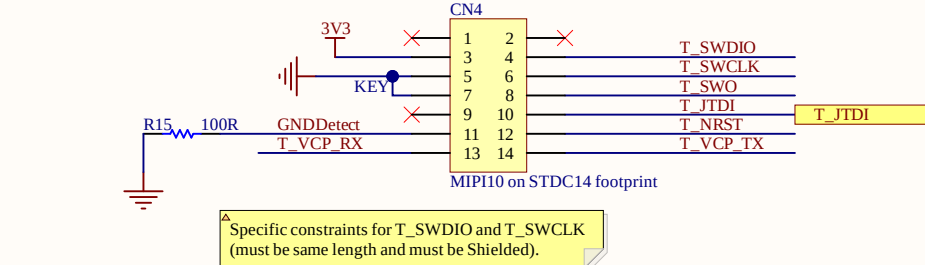
STLINK_MCU



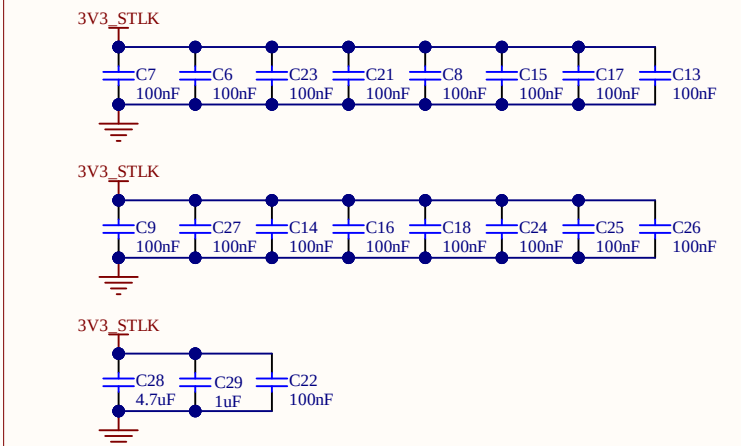
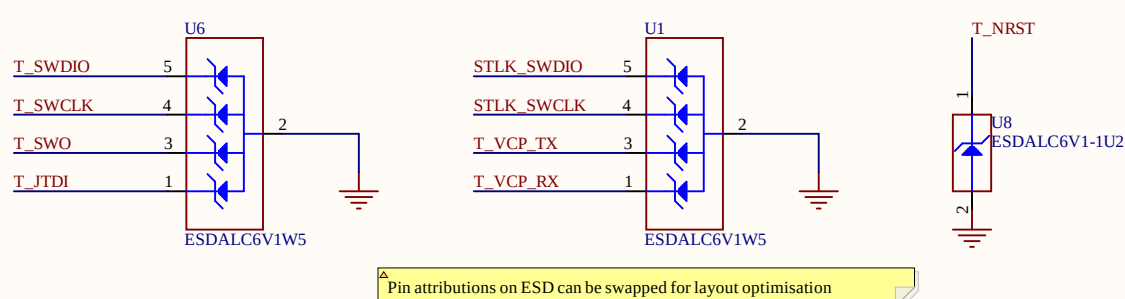
ST-LINK POWER



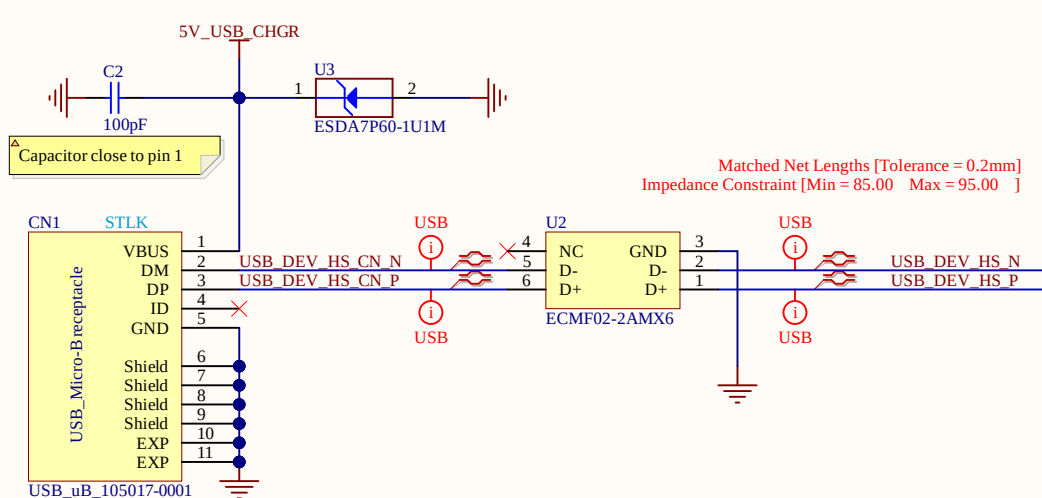
STDC14 Receiver



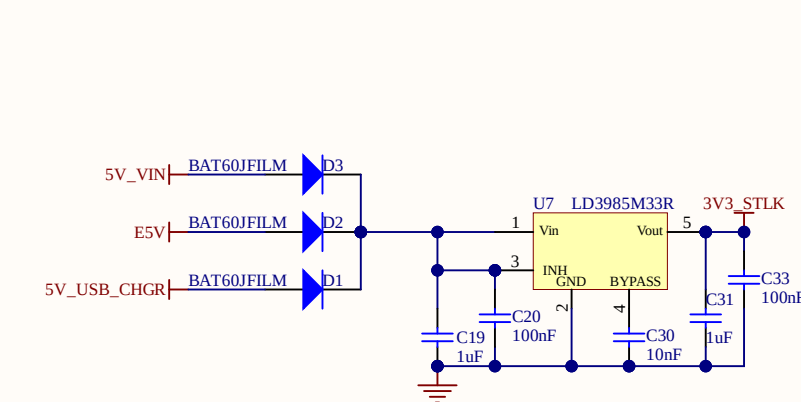
ESD PROTECTIONS



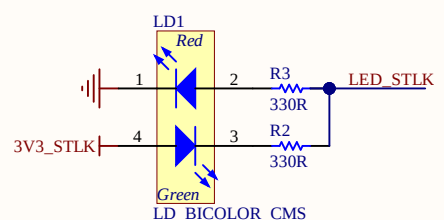
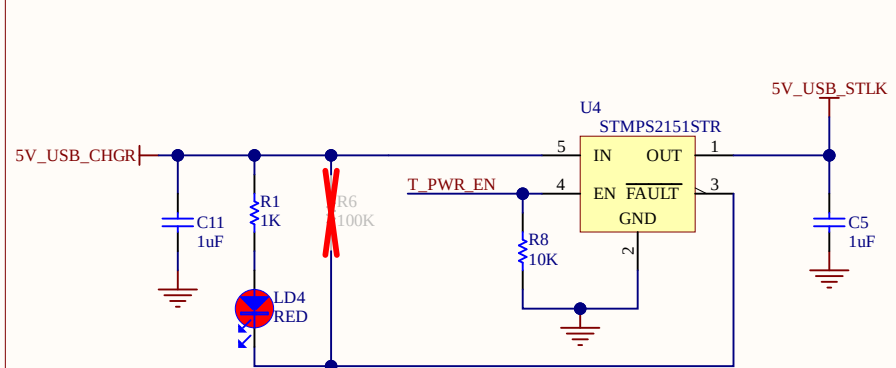
ST-LINK USB CONNECTOR



ST-LINK POWER 3V3 / 150mA



5V ST-LINK PROTECTION



HW101

BOARD REF

MBxxxxy-zz syywwxxxxx

HW102

BOARD CPN

NUCLEO-G4xxRx

HW108

ES

ES

HW100

PCB

MBxxxxy

HW103

LOGO NUCLEO

HW106

LOGO ST

HW104

LOGO CE

HW107

LOGO ESD

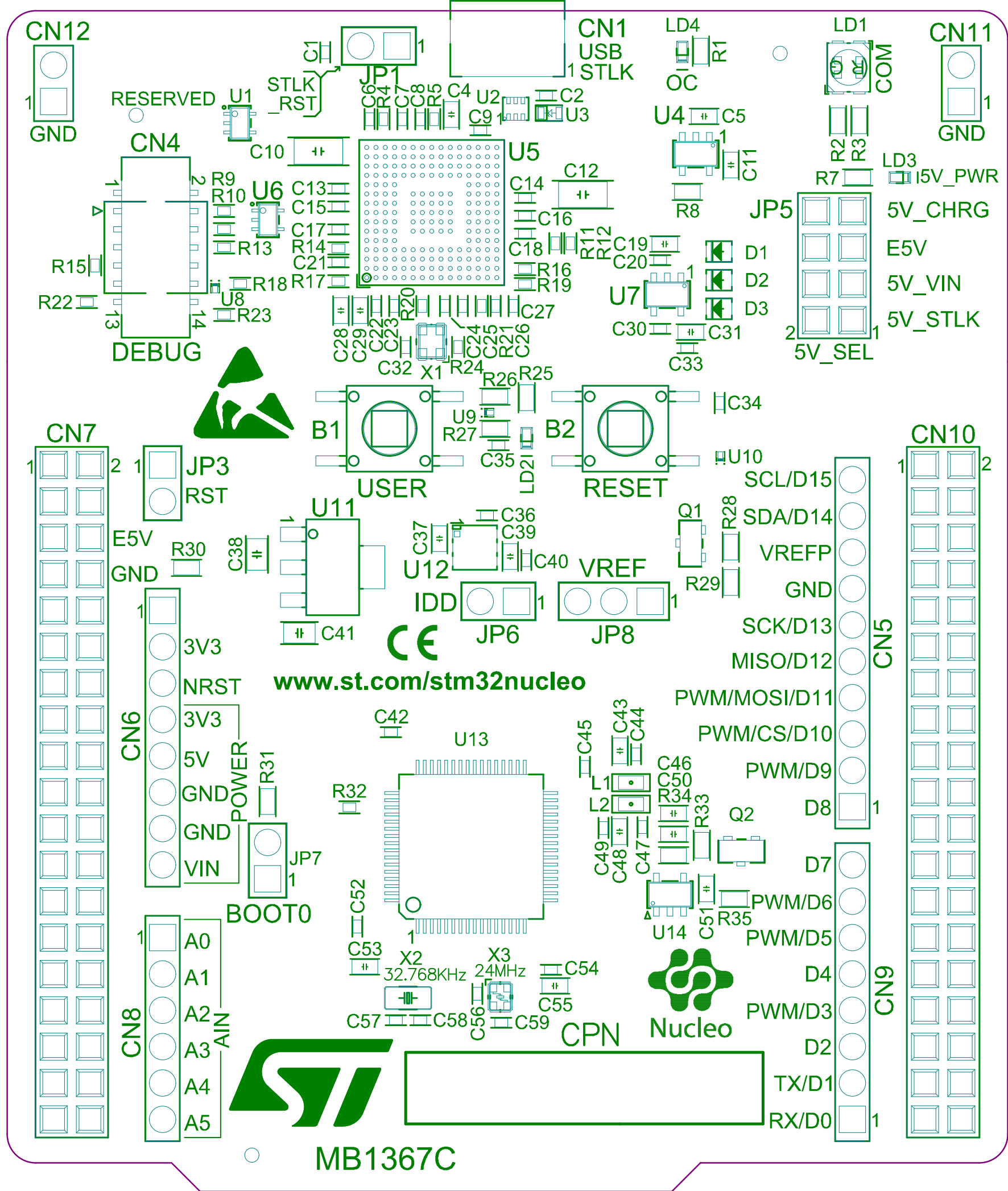
HW105

LOGO ROHS

HW110



LQFP64_socket



Top Overlay

.GBO

