

NUCLEO64 ext-SMPS

MB1319

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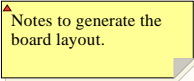
Sheet 8: ST-Link/V2-1

U_mb1319_Top
mb1319_Top.SchDoc



Legend

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



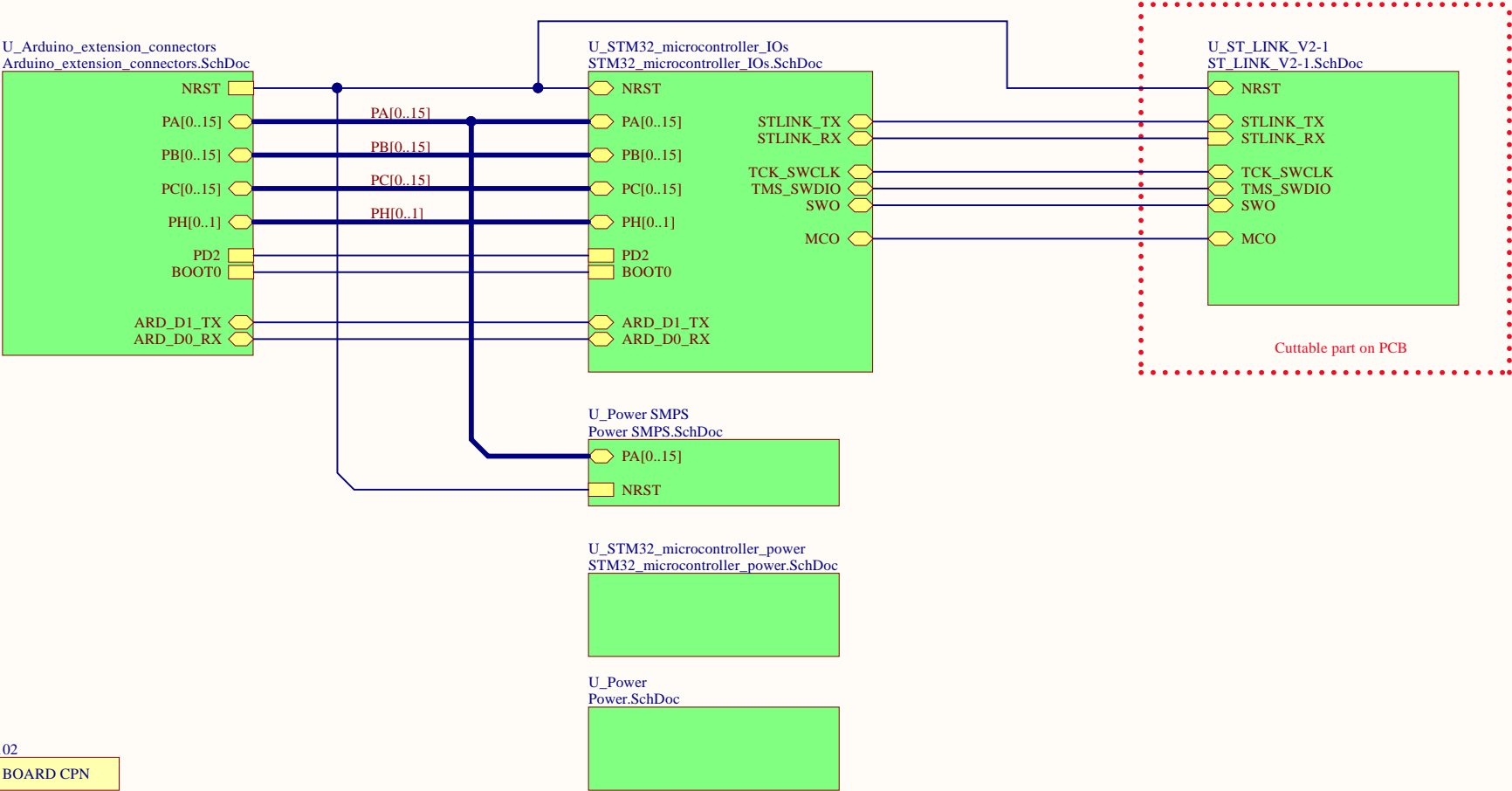
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HW101

BOARD REF

MB1319C-01 xxxx

HW102

BOARD CPN

NUCLEO-L452RE-P

HW100

PCB

MB1319C

HW103

BLISTER

NUCLEO64_BLISTER

HW104

DNF

LOGO NUCLEO

HW105

DNF

LOGO ST

HW106

DNF

LOGO CE

HW107

DNF

LOGO ESD

HW108

DNF

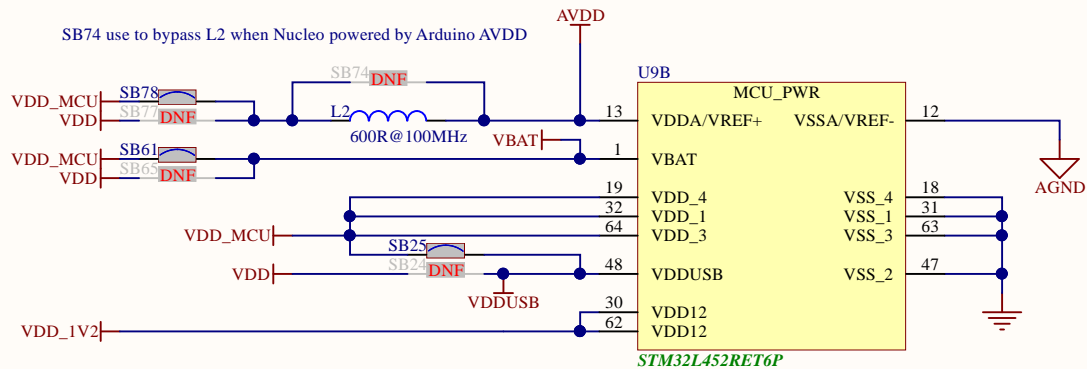
LOGO ROHS

HW109

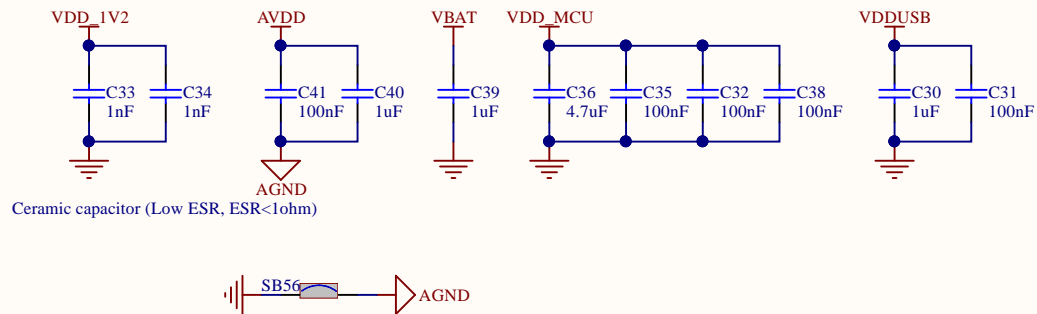
DNF

LOGO STM32

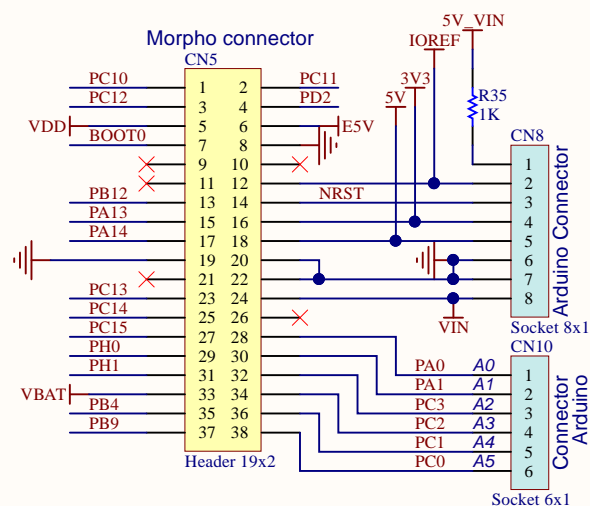
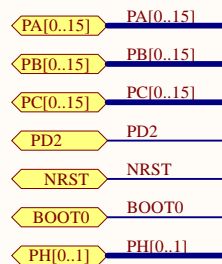
MCU PWR SUPPLIES



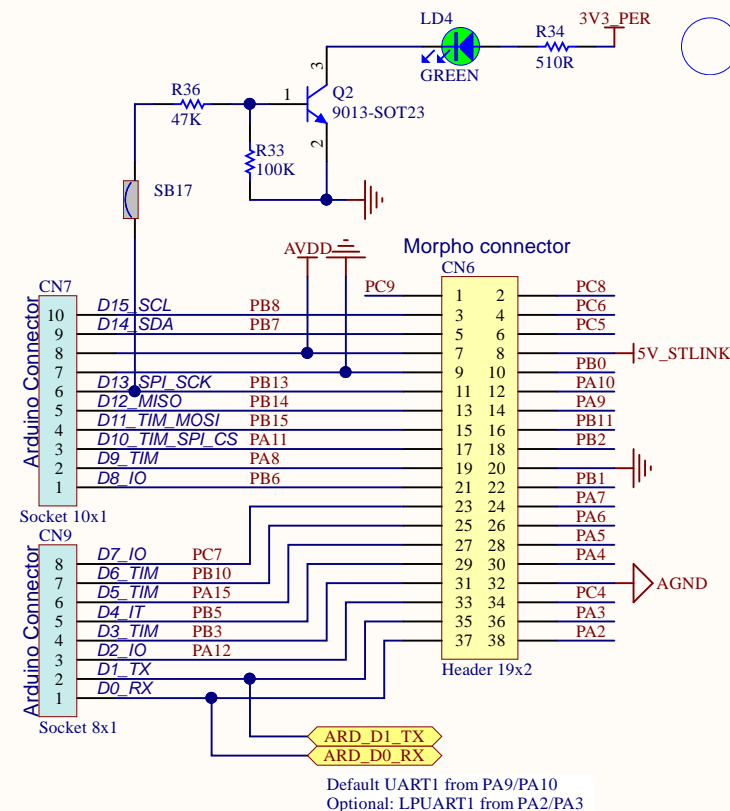
DECAPS



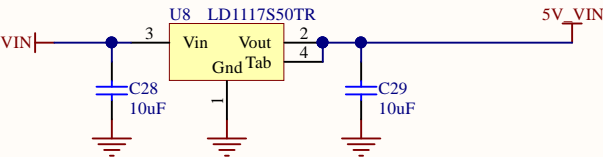
IOREF SELECTION	SB21	SB15	SB14	
IOREF= 3V3	Closed	Open	Open	
IOREF = 3V3_PER	Open	Closed	Open	
IOREF = VDD_MCU Mainly for 1V8 compatibility	Open	Open	Closed	Default



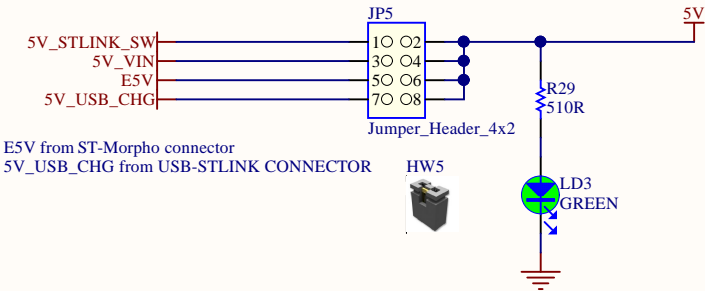
MCU



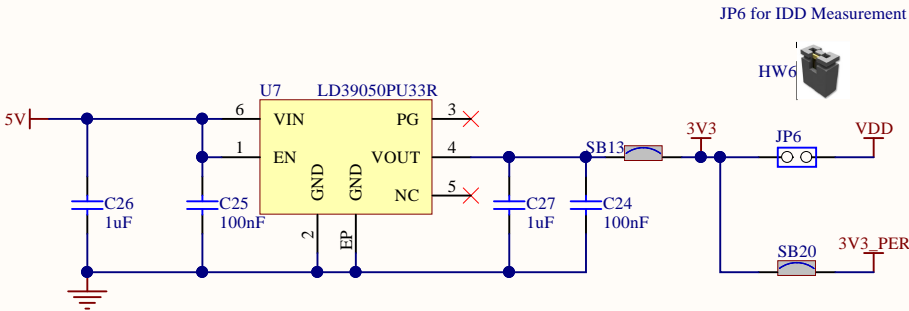
VIN / 5V PWR



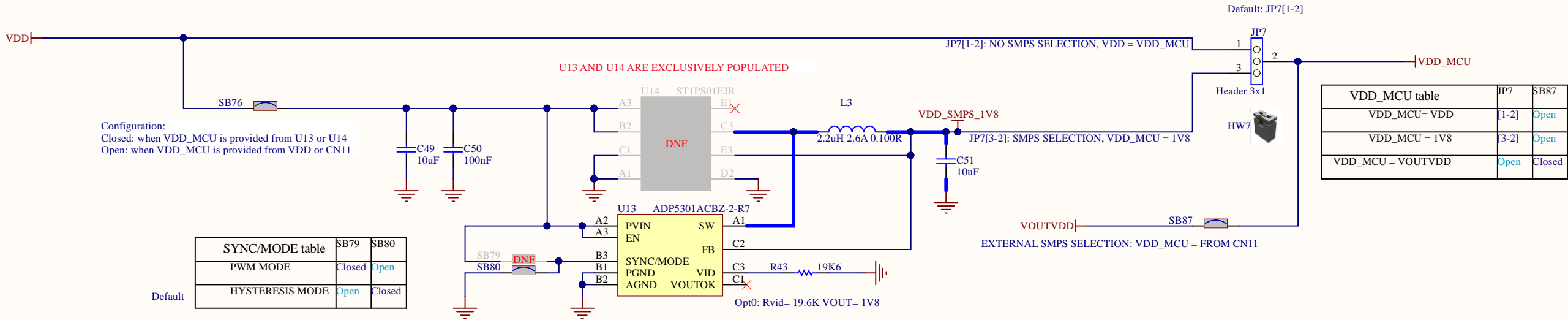
5V PWR SELECTION



3V3 PWR

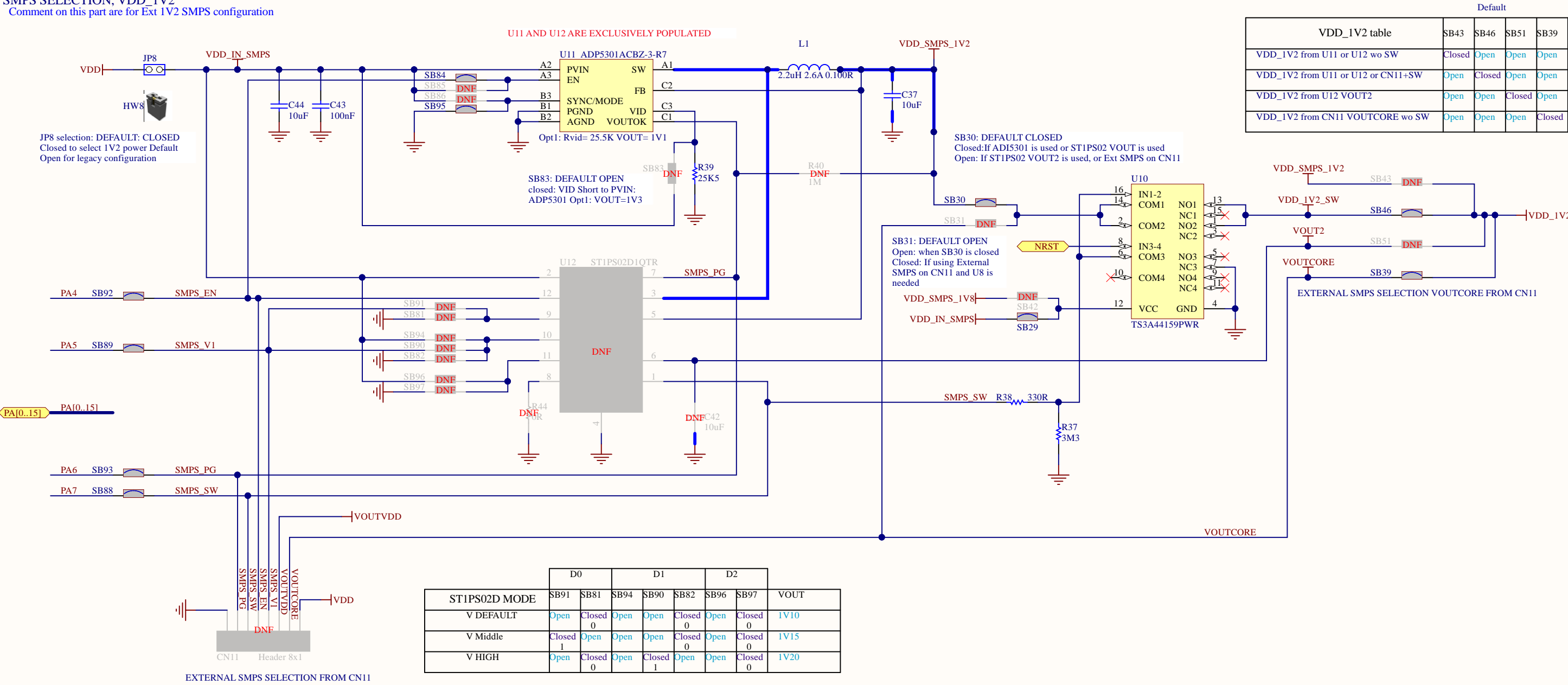


VDD_MCU_SELECTION

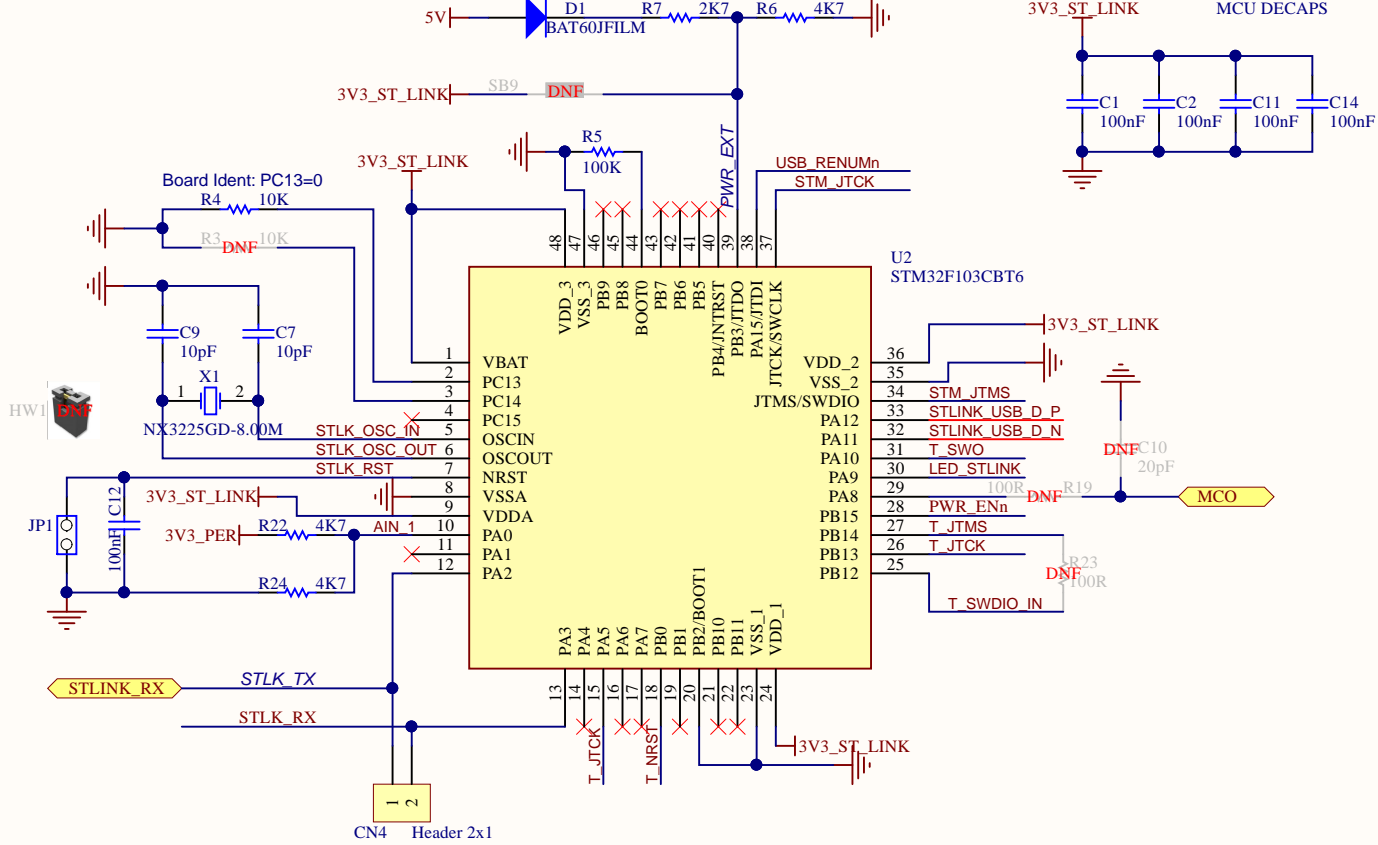


SMPS SELECTION, VDD_1V2

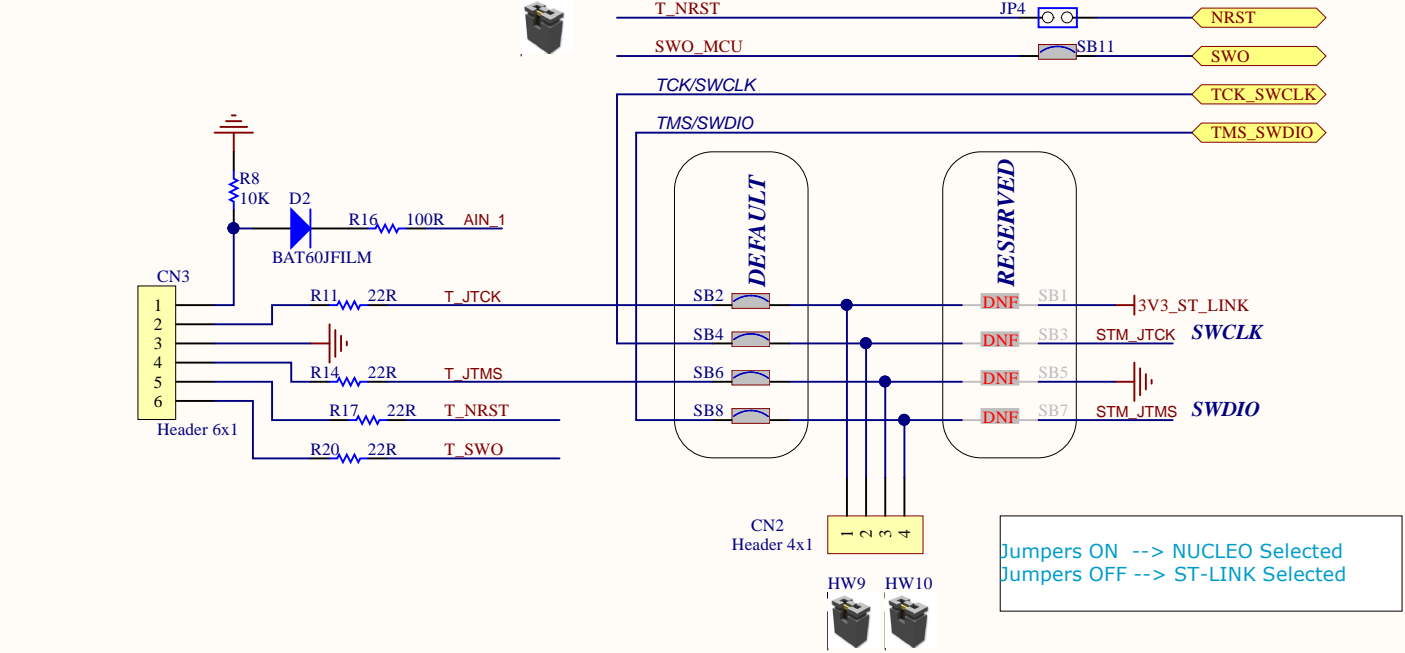
Comment on this part are for Ext 1V2 SMPS configuration



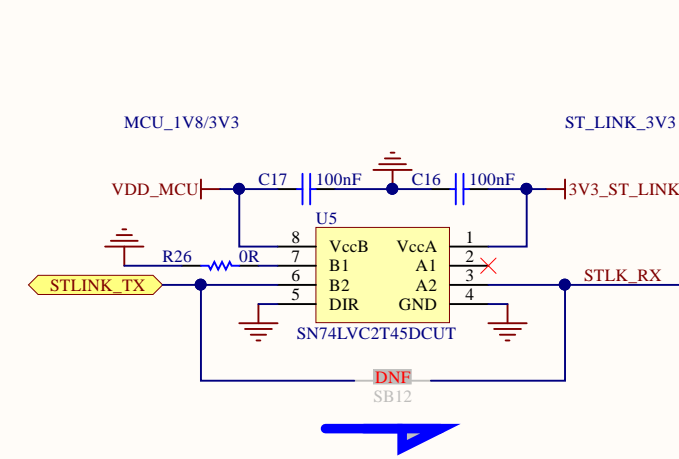
STLINK_MCU



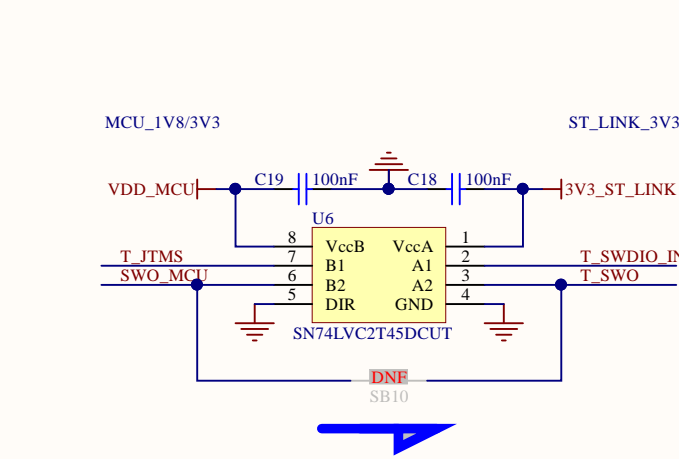
SWD INTERFACE



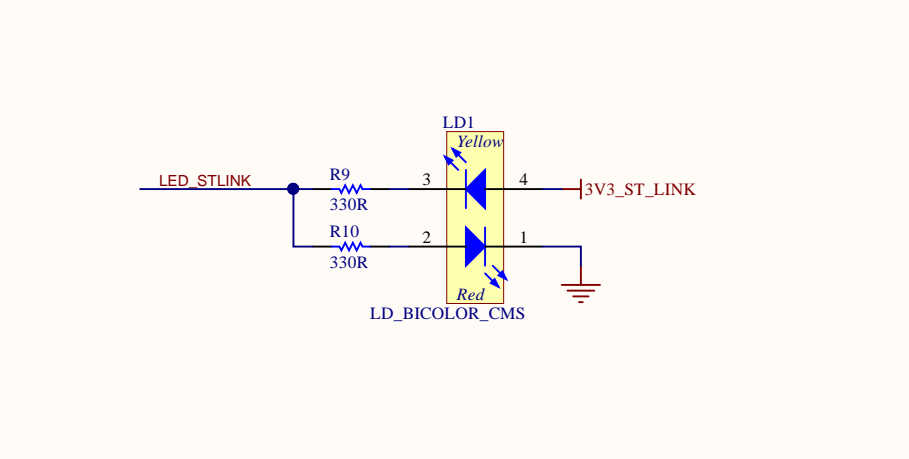
UART_TX LEVEL SHIFTER for MCU_1V8



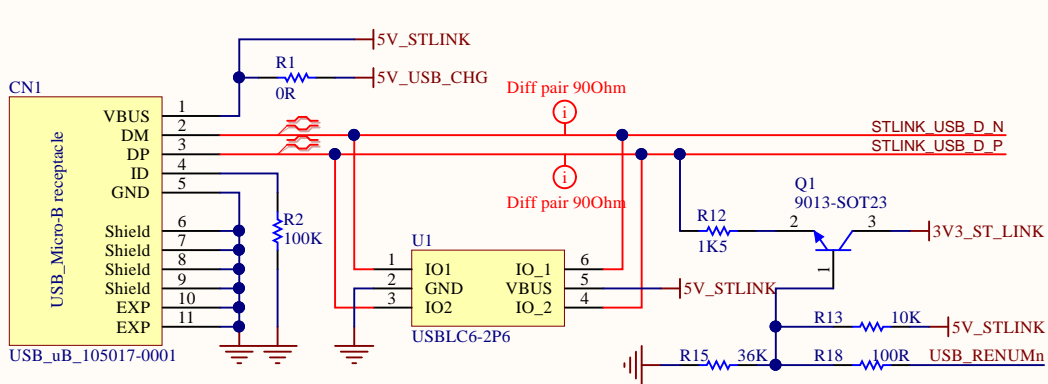
SW LEVEL SHIFTER for MCU_1V8



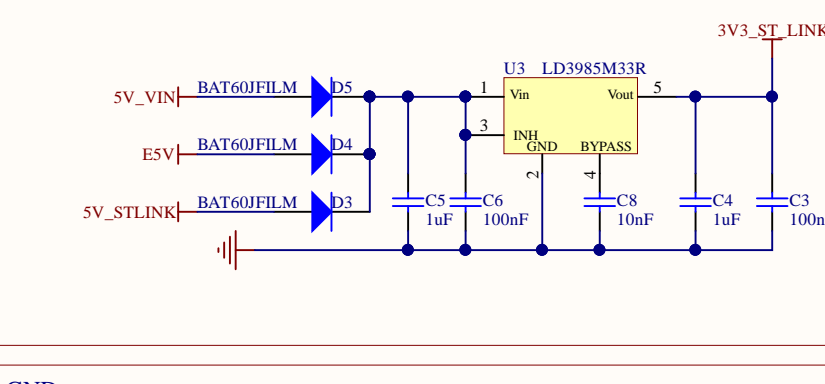
STLINK_LED: COM



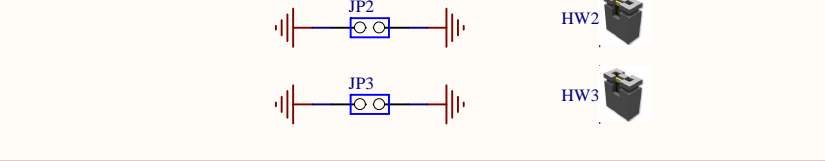
ST-LINK USB CONNECTOR



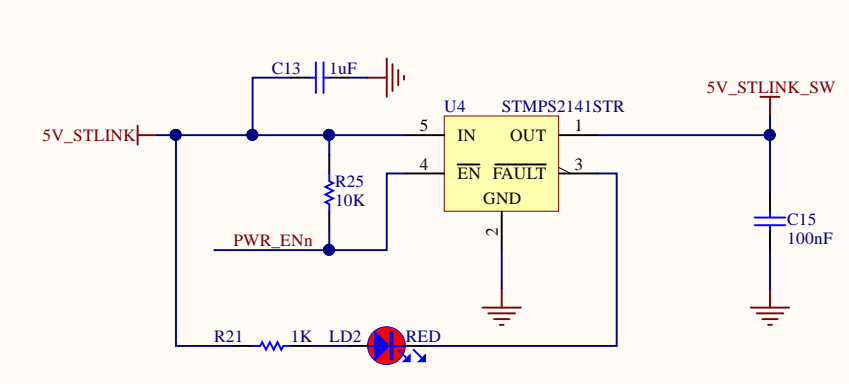
ST-LINK POWER 3V3 / 150mA



GND



USB 5V POWER SWITCH: 5V / 500mA



All the sheet are the CUTTABLE part on PCB