

NUCLEO-144 LEGACY

MB1404

H563ZI

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Legend

General comment such as function title, configuration, ...

Text to be added to silkscreen.

Warning text.

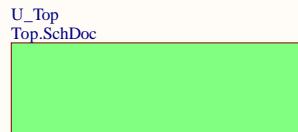
▲ Notes to generate the board layout.

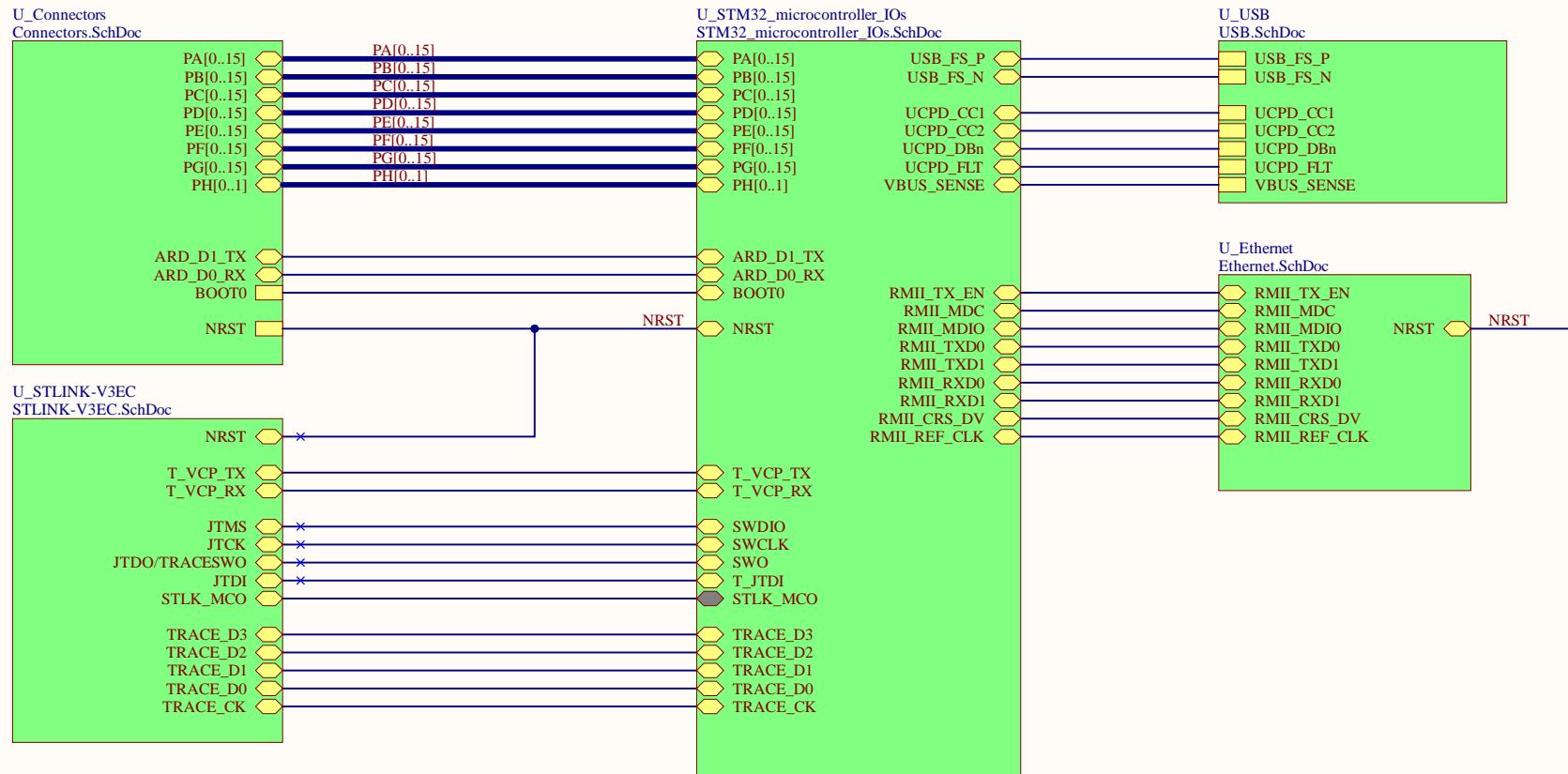
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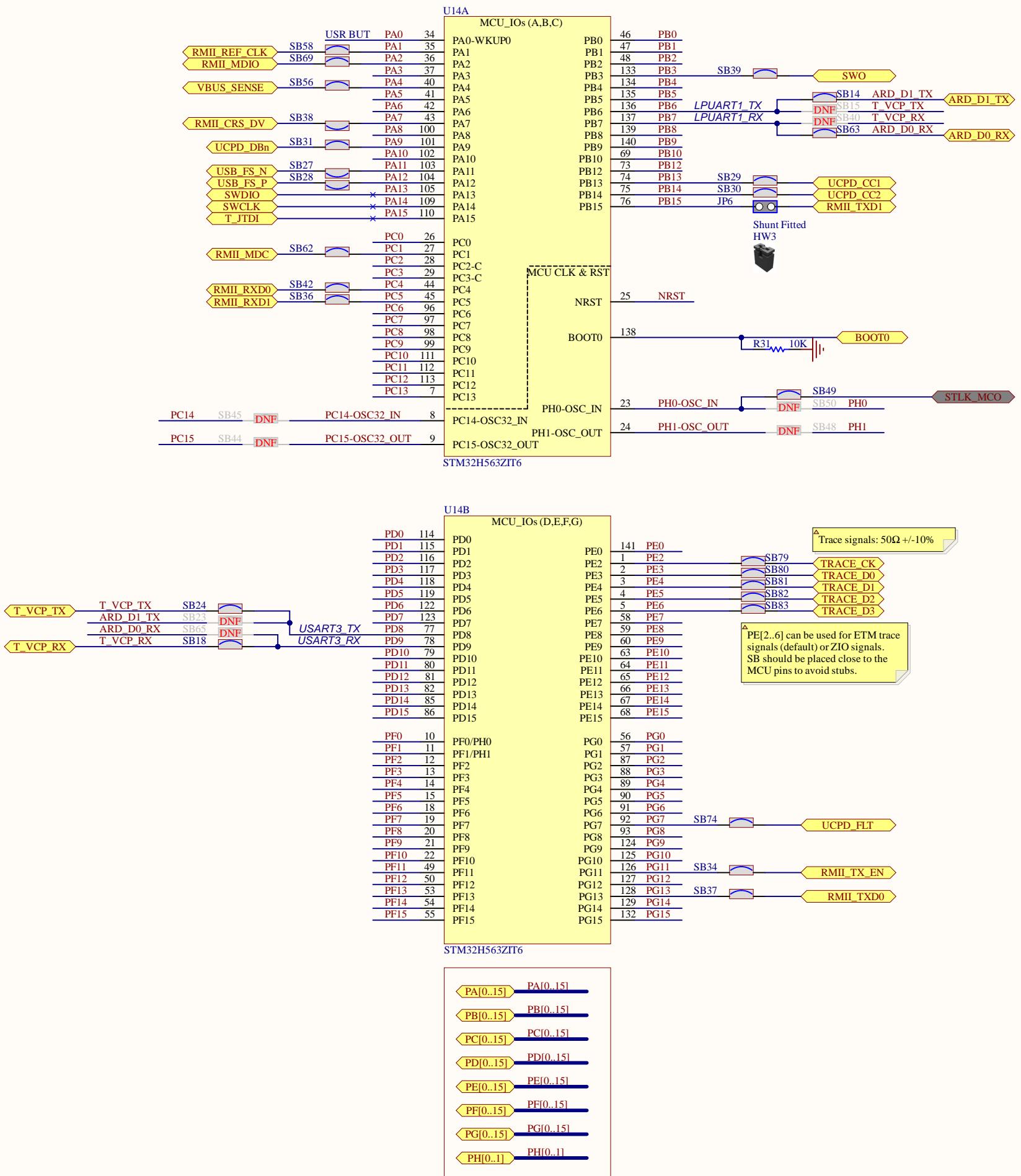




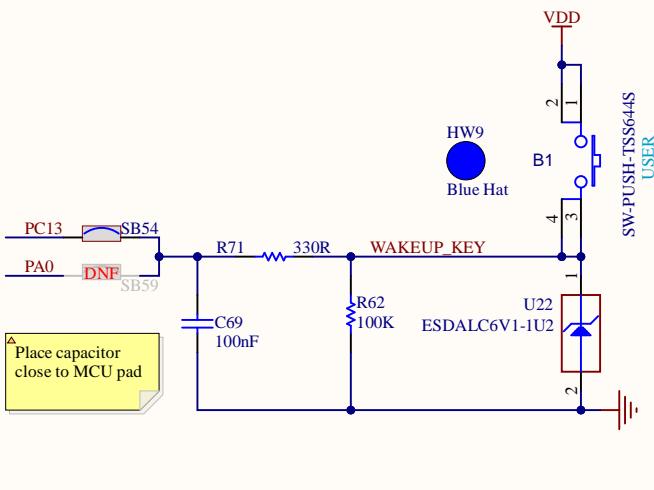
U_STM32_microcontroller_power STM32_microcontroller_power.SchDoc

U_Board_power Board_power.SchDoc

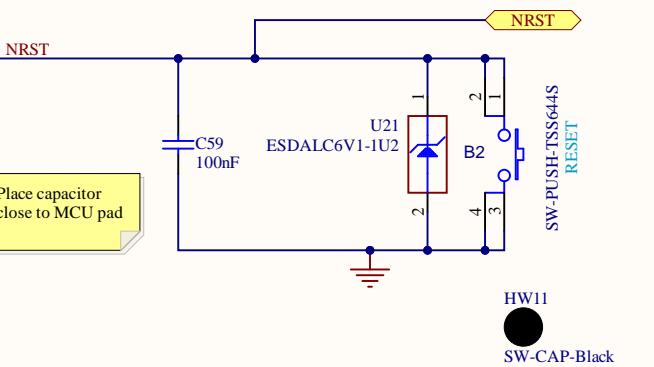
STM32_microcontroller_IOs



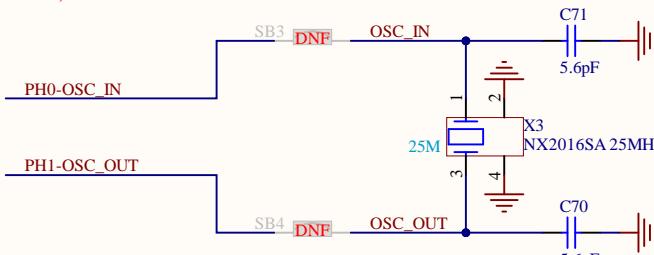
USER BUTTON



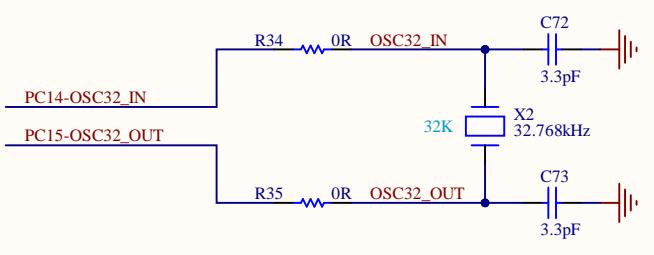
RESET FUNCTION



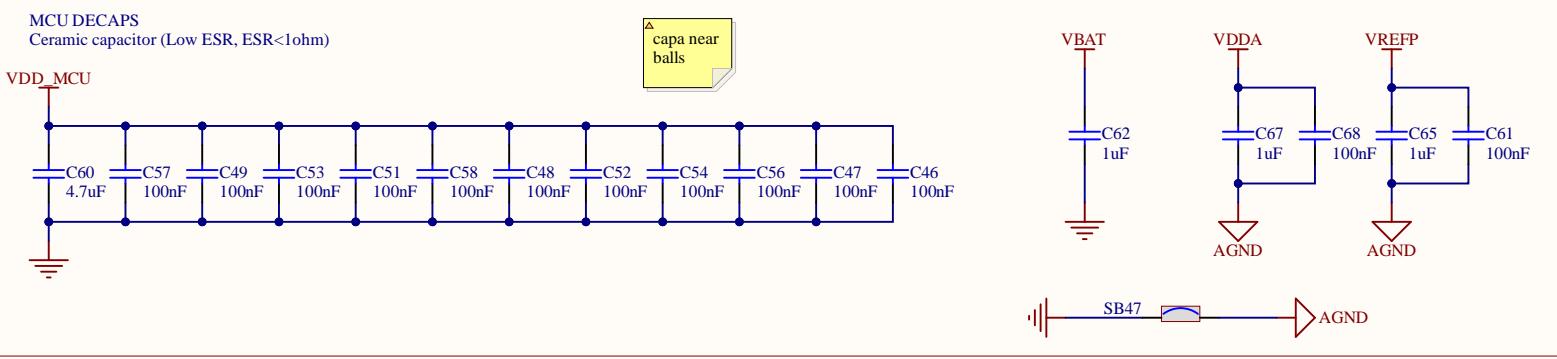
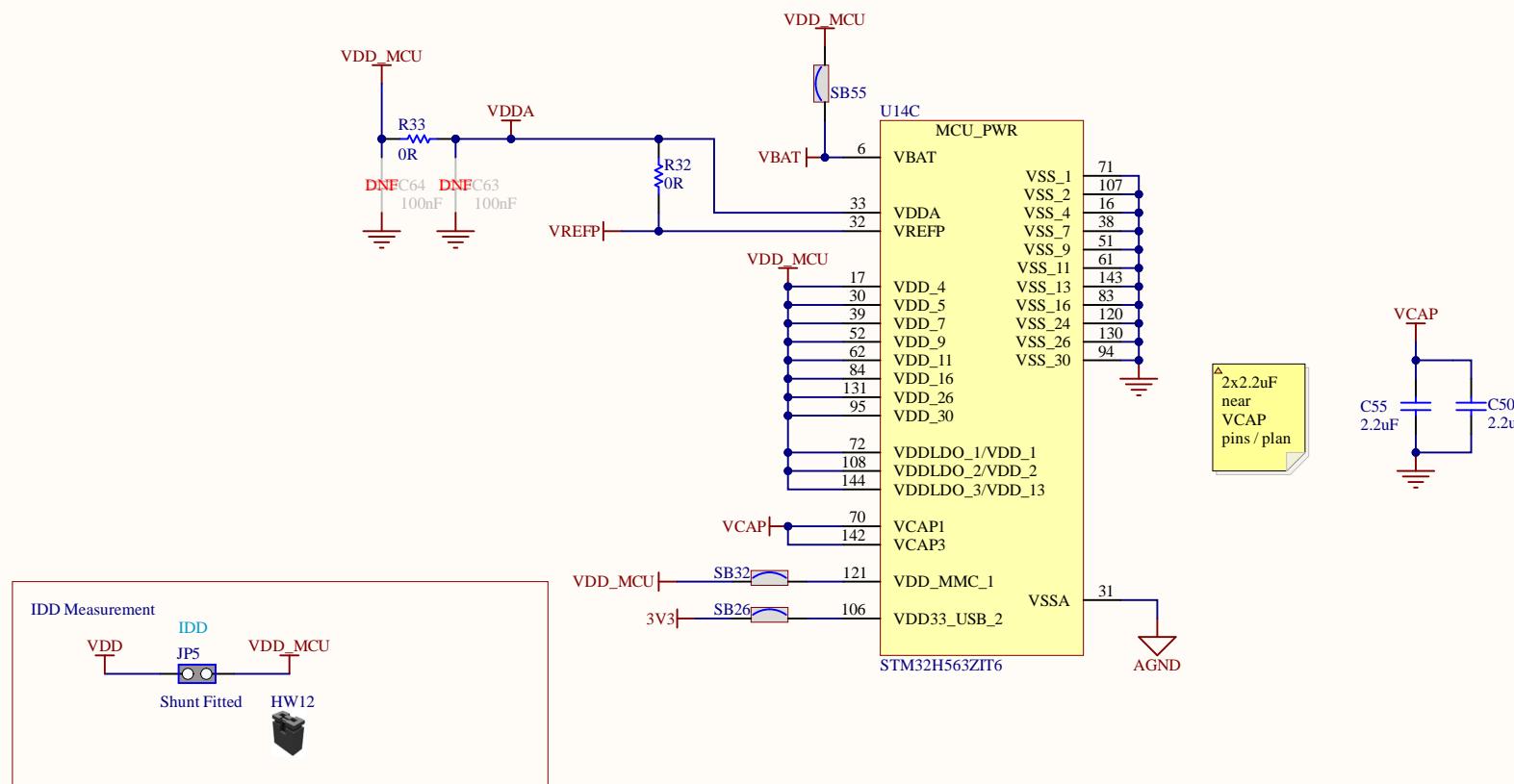
EXTERNAL HSE CLK (OPTIONAL)



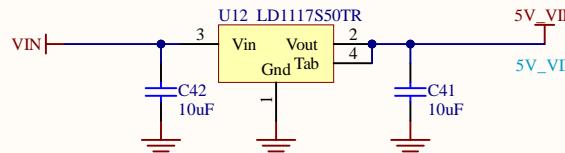
EXTERNAL LSE CLK



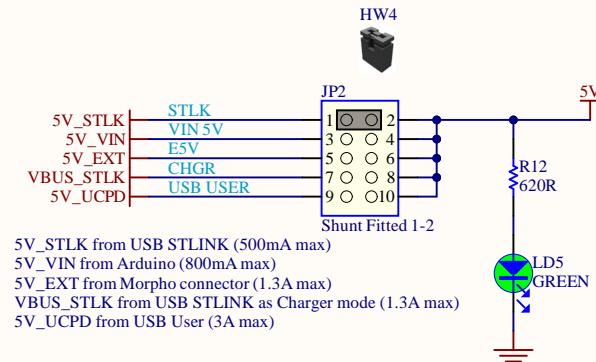
STM32_microcontroller_power



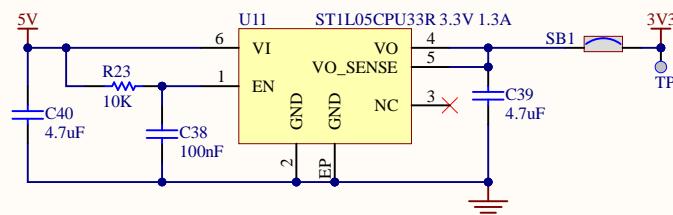
VIN / 5V PWR



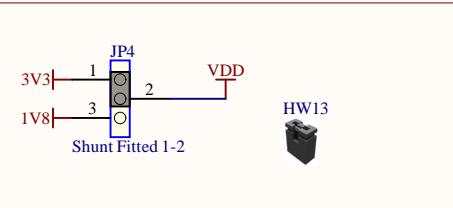
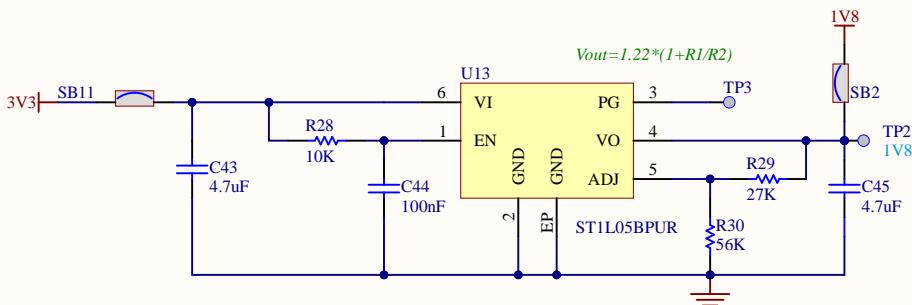
5V PWR SELECTION

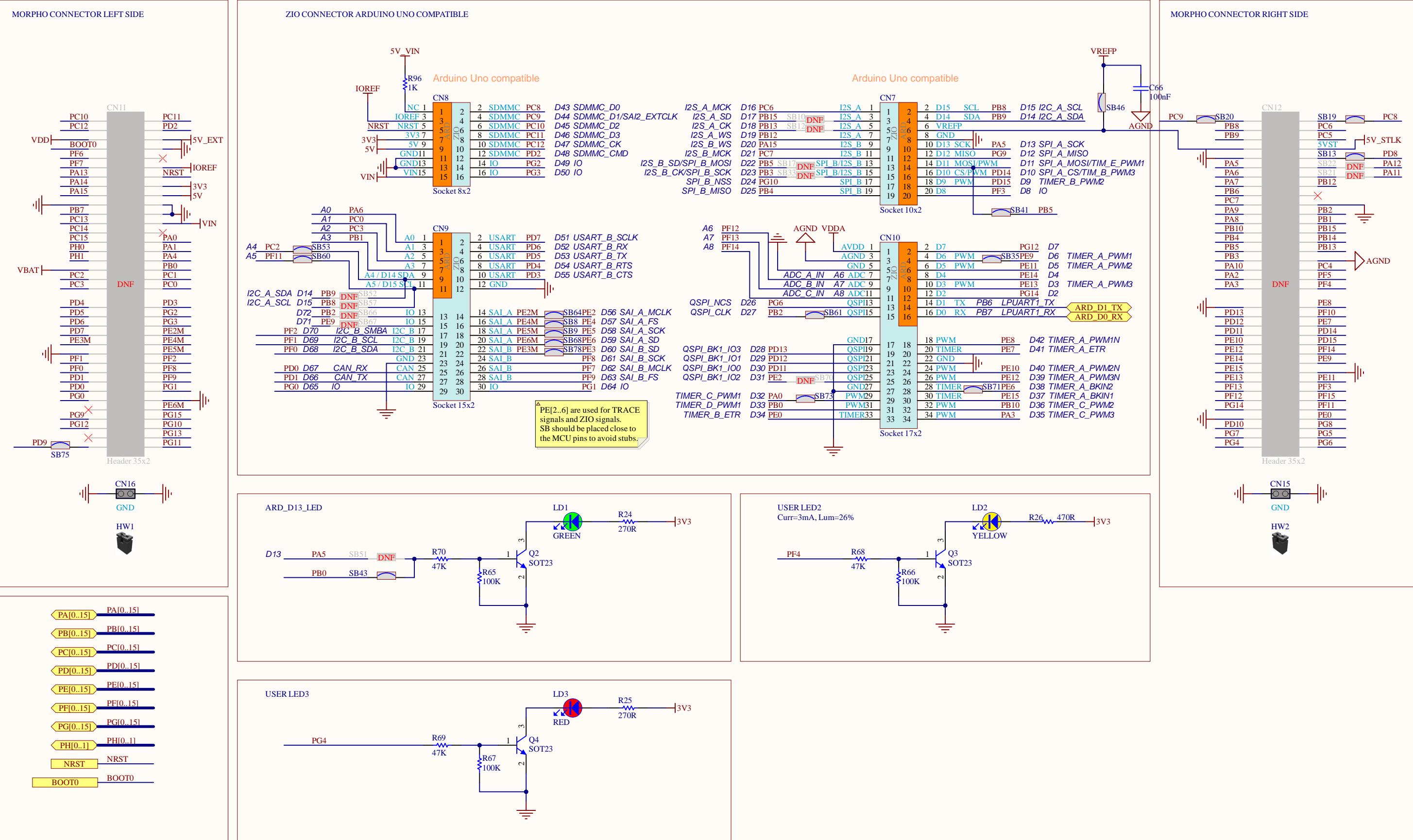
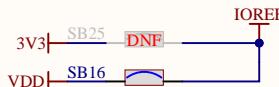


3V3 PWR

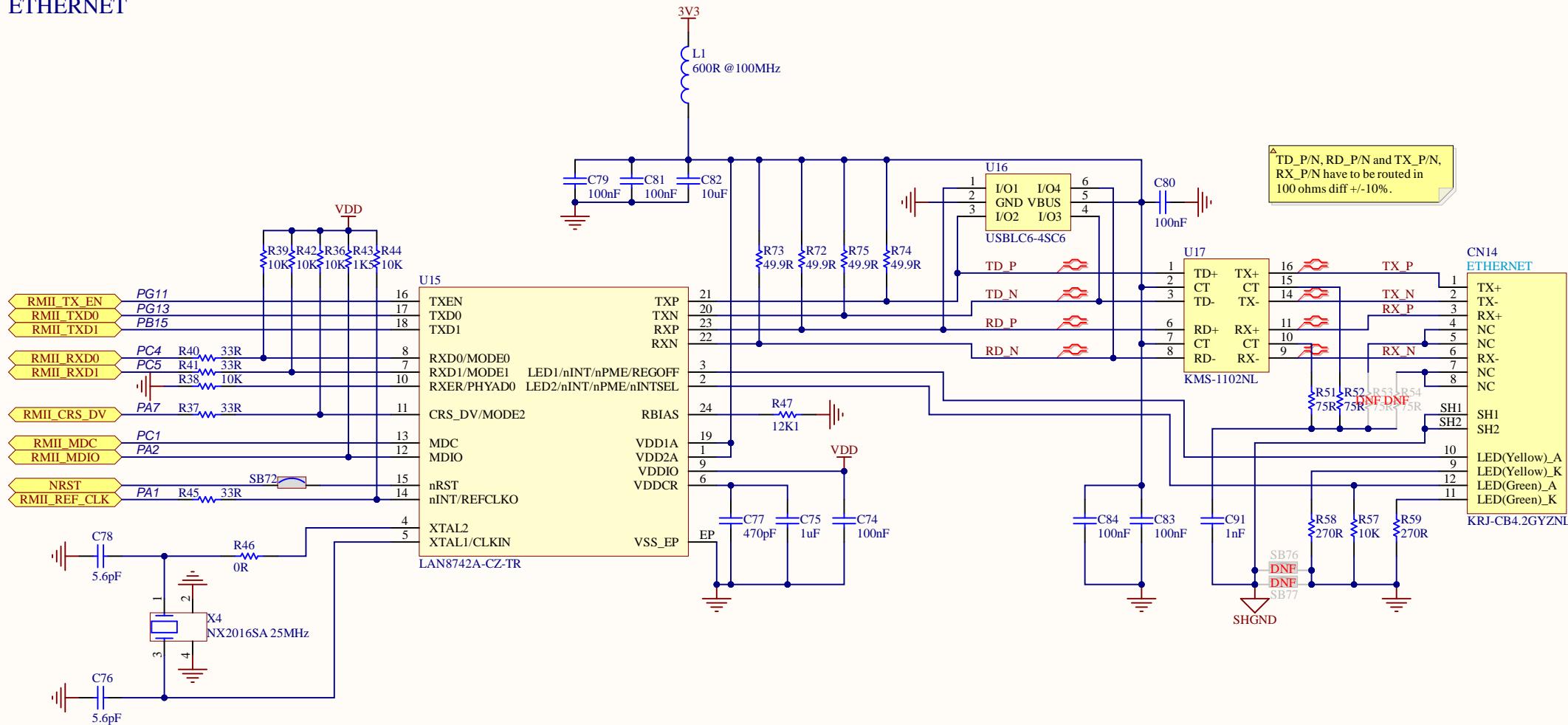


1V8 PWR



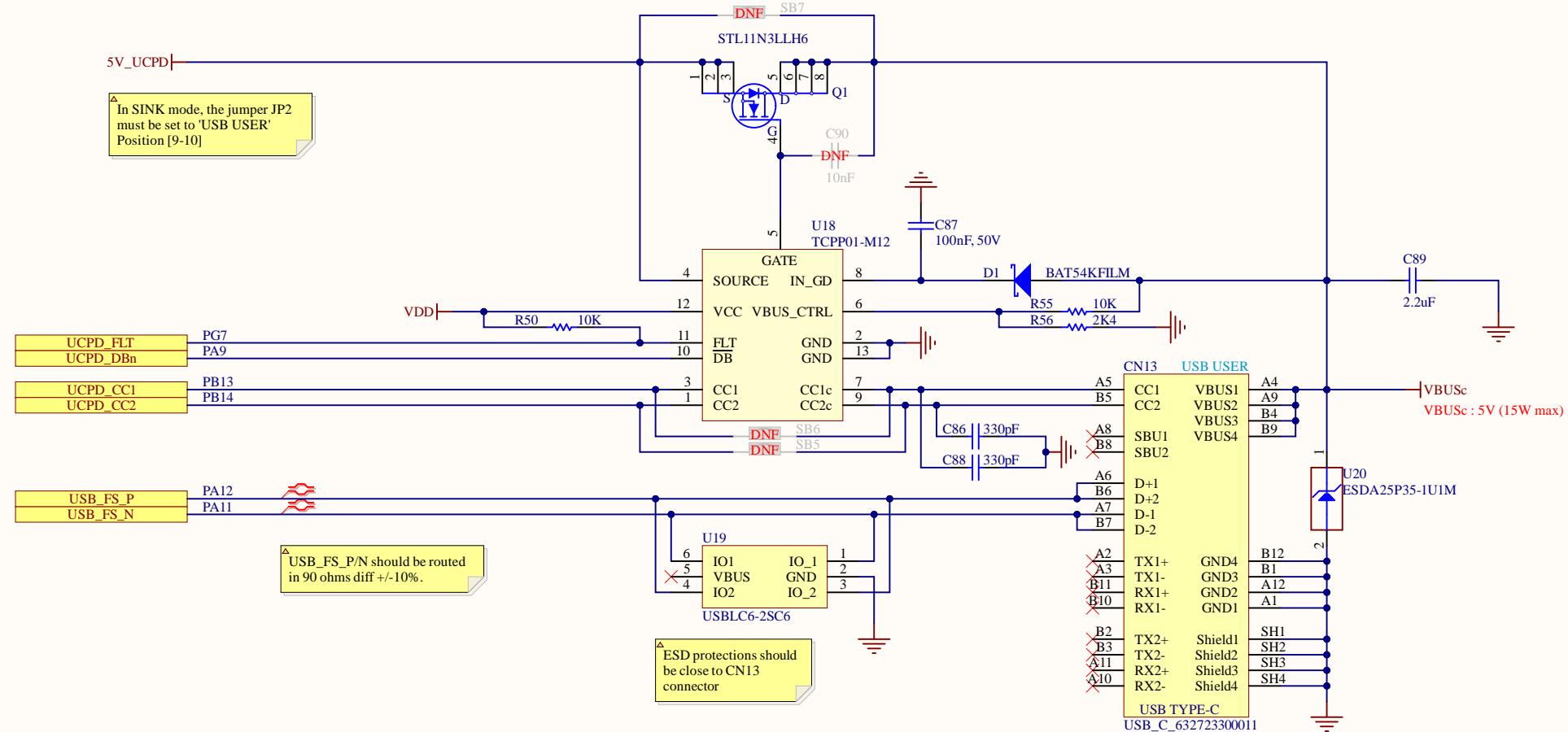


ETHERNET

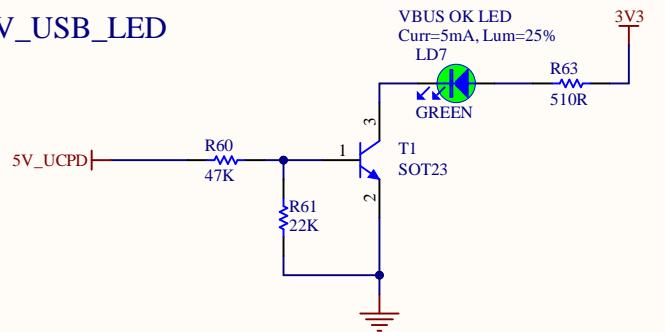


User_USB_Type-C

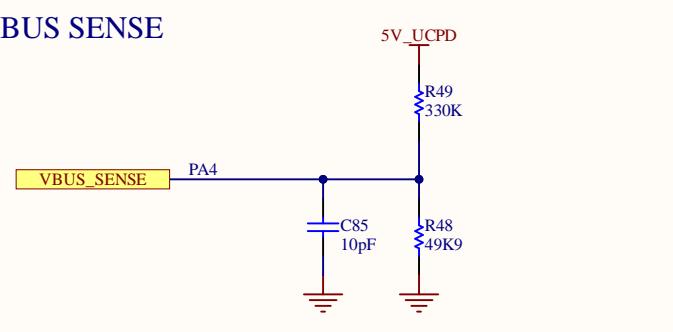
SINK only



5V_USB_LED



VBUS SENSE



Title: User USB Type-C

Project: NUCLEO-144 LEGACY

Variant: H565ZI

Revision: C-01

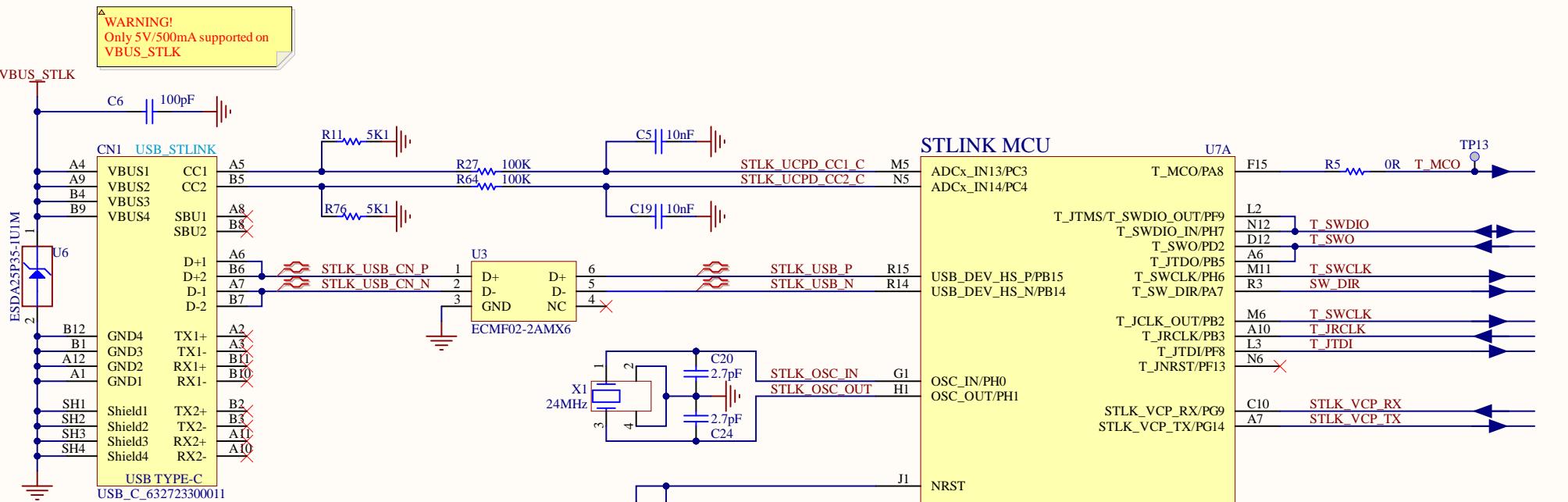
Size: A4 | Date: 2023-JUL-20

Reference: MB1404

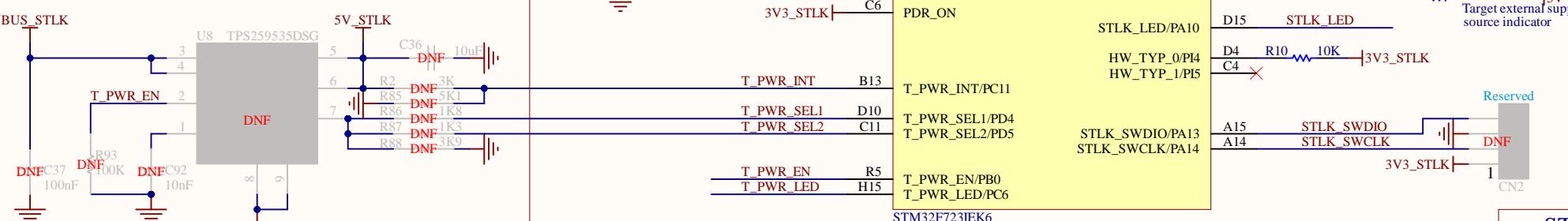


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ST-LINK USB CONNECTOR



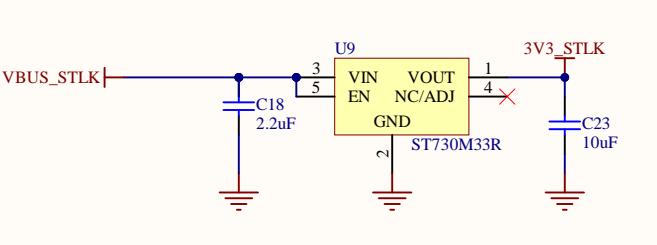
5V ST-LINK PROTECTION



5V_STLK OVERCURRENT PROTECTION MANAGEMENT

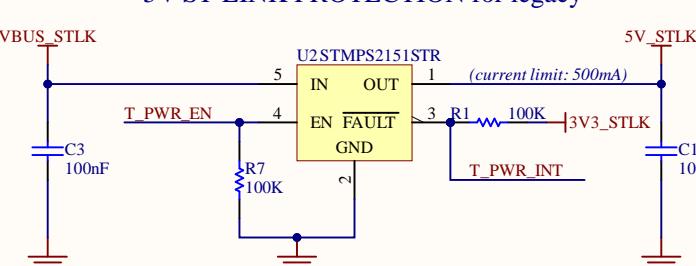
	T_PWR_SEL2/PD5	T_PWR_SEL1/PD4
PowerDefault.SNK <i>(current limit: 550mA)</i>	Hi-Z	Hi-Z
Power1.5.SNK <i>(current limit: 1.66A)</i>	Hi-Z	0
Power3.0.SNK <i>(current limit: 3.2A)</i>	0	0

ST-LINK POWER (3V3/300mA)

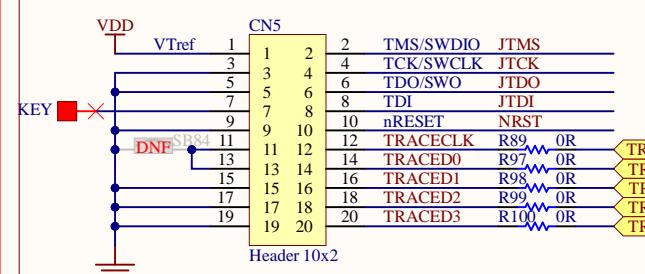


STMP82151STR is backup of the TPS259535DSG

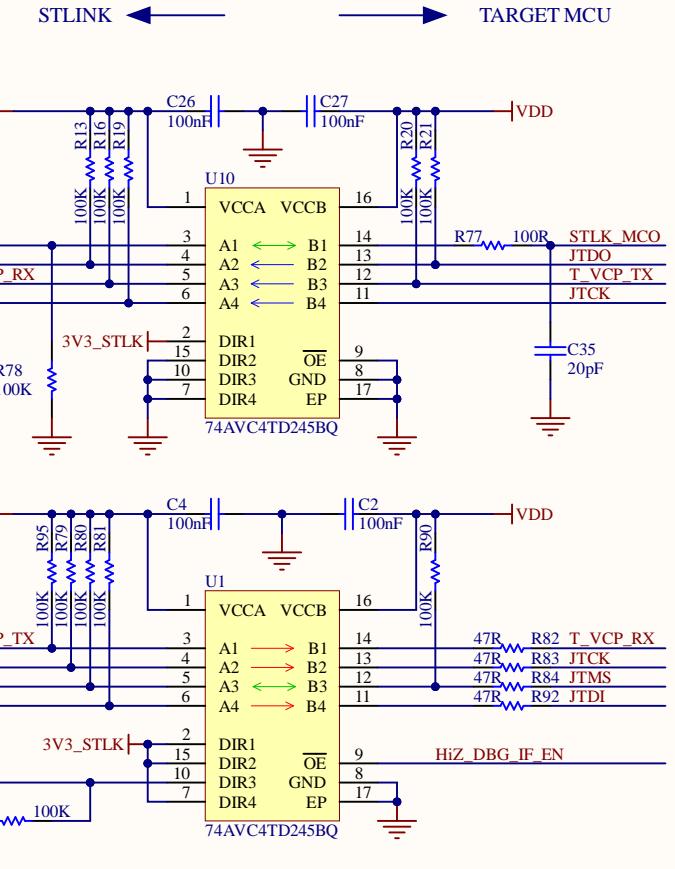
5V ST-LINK PROTECTION for legacy



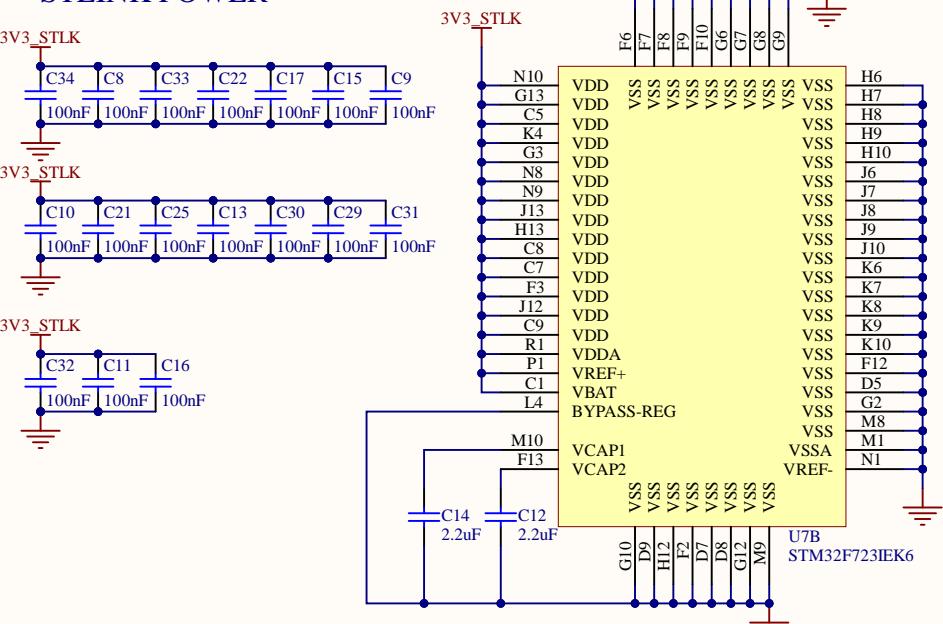
MIRI 20 CONNECTOR



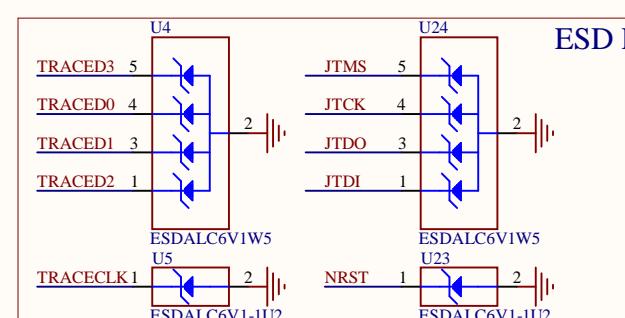
VOLTAGE LEVEL SHIFTER



STLINK POWER

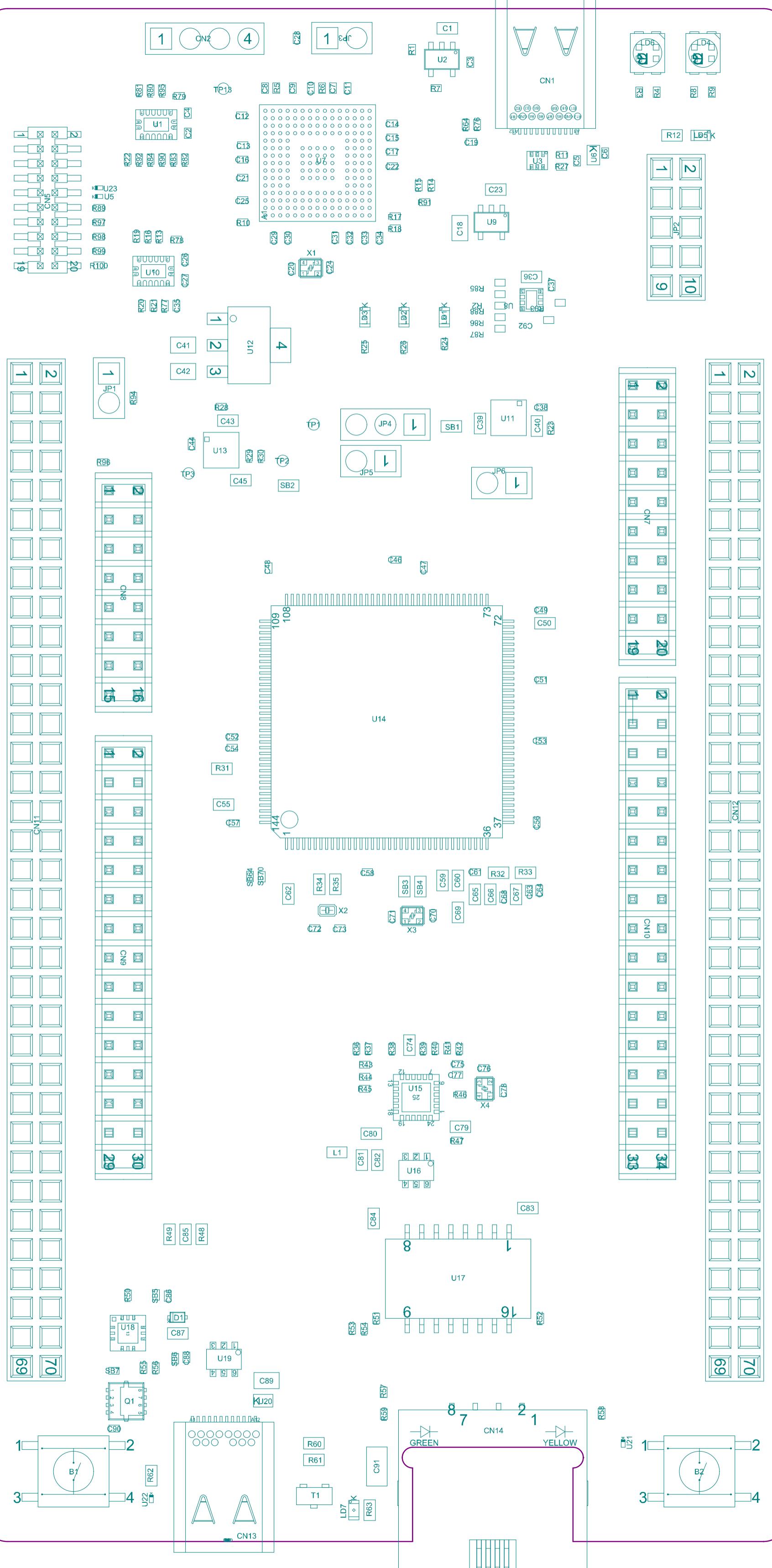


ESD PROTECTIONS



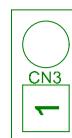
INTERFACE WITH TARGET MCU

JTCK	PA14	JTCK
JTMS	PA13	JTMS
JTDI	PA15	JTDI
T_VCP_TX	PD8	T_VCP_TX
T_VCP_RX	PD9	T_VCP_RX
JTDO	PB3	JTDO/TRACEWSO
NRST		NRST
STLK_MCO	PH0	STLK_MCO





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S24



SB10

SB12

SB11

SB13

SB14
SB15

SB17

SB23
SB24

SB18

SB29
SB30

SB19

SB20

SB26

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