

MCU\_Board

LED-Buttons\_board

PC5  
PC6RED\_SW  
BLUE\_SWPC9  
PC8RED\_LED  
BLUE\_LEDPA2  
PA3STLK\_RX  
STLK\_TX

USART

PA8  
PB10  
PB4  
PB5H2  
E2  
E1  
H1

Motors Driver

PA0  
PA1ENC\_A  
ENC\_B

PB0

Servo\_OUT

Encoder &amp; Pot

PB6  
PB7ENC\_A  
ENC\_BPA4  
PC0  
PC1

POT\_OUT

Title		
Size	Number	Revision
A4		
Date:	11.21.2022	Sheet of
File:	D:\OneDrive - ITMO UNIVERSITY\...step\Dr.Schlyc	

A

A

B

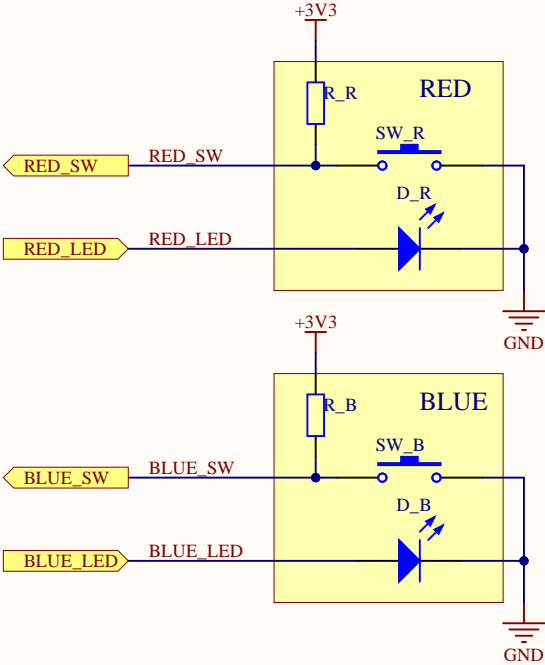
B

C

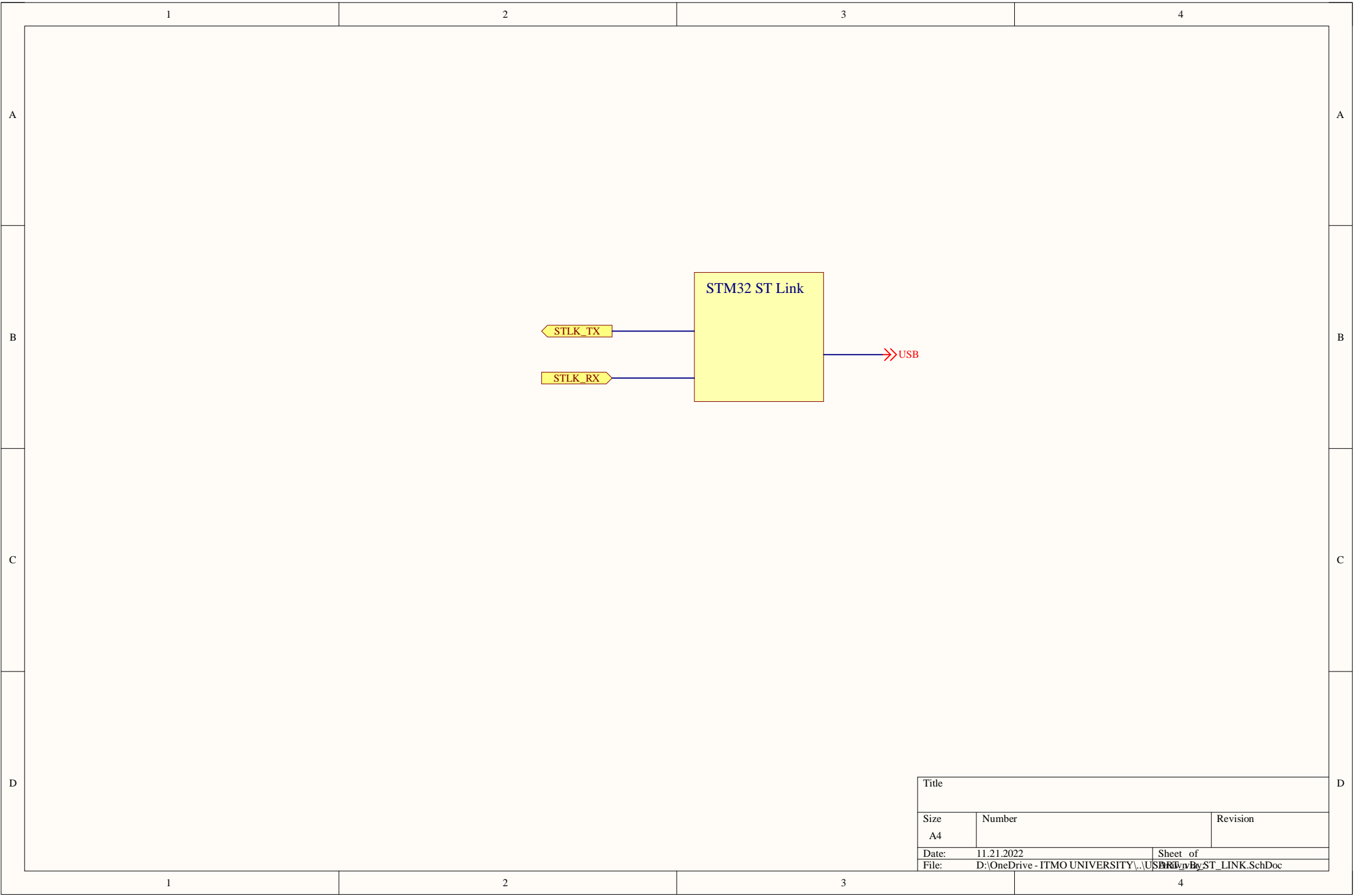
C

D

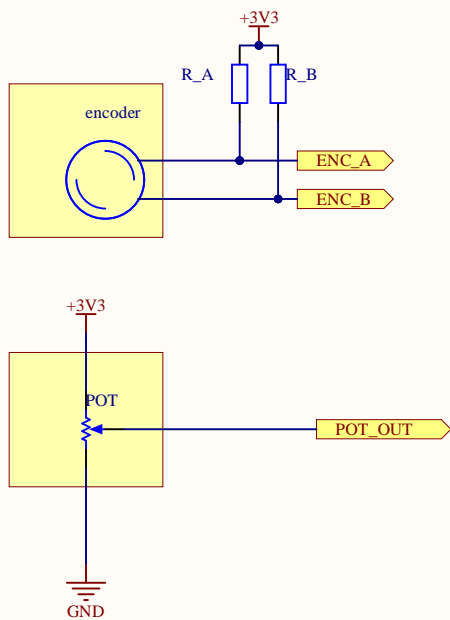
D



Title		
Size	Number	Revision
A		
Date:	11.21.2022	Sheet of
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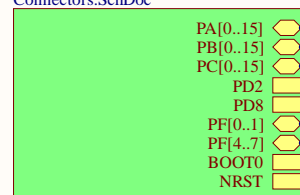
Title		
Size	Number	Revision
A4		
Date:	11.21.2022	Sheet of
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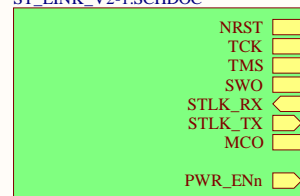




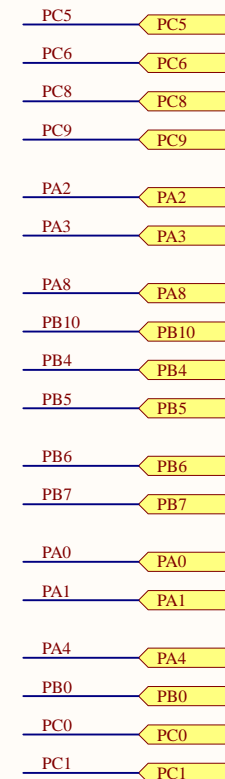
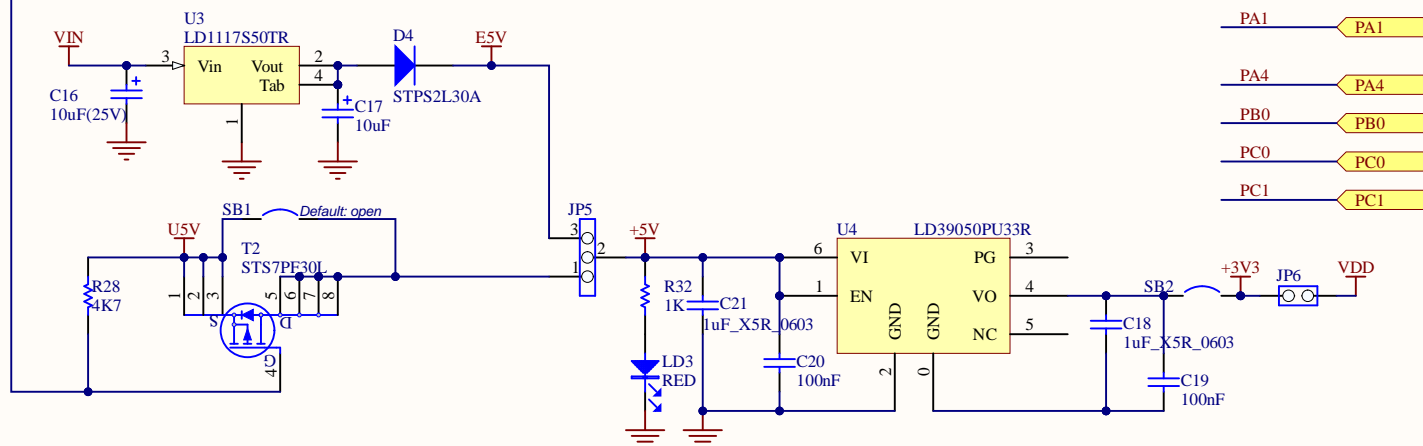
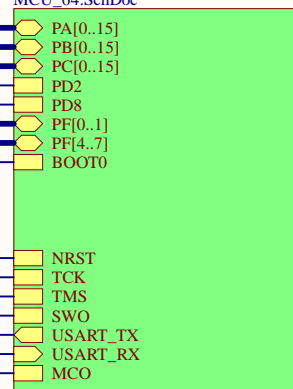
U\_Connectors  
Connectors.SchDoc



U\_ST\_LINK\_V2-1  
ST\_LINK\_V2-1.SCHDOC



U\_MCU\_64  
MCU\_64.SchDoc



Note1: Text in italic placed on a wire doesn't correspond to net name. It just helps to identify rapidly Arduino's signal related to this wire.  
 Note2: Remove [N/A] on R34, R36, C31, C32, X2 from C.1 to C.2  
 Note3: Add "default open" on SB48, SB49, SB55 from C.1 to C.2  
 Note4: Replace "default open" by "default closed" on SB16 & SB50 from C.1 to C.2  
 Note5: C31&C32 value changed from 10pF to 4.3pF to fit with new 32K crystal ABS25-32.768KHZ-6-T

Title: <b>TOP &amp; POWER</b>		
Project: <b>NUCLEO-XXXXRX</b>		
Size: <b>A4</b>	Reference: <b>MB1136</b>	Revision: <b>C.3</b>
Date: <b>22.04.2021</b>	Sheet: <b>1</b> of <b>4</b>	



