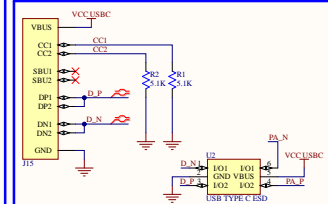
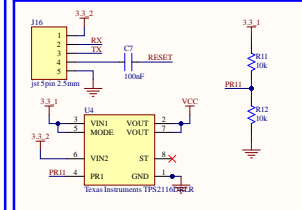


## Power Management

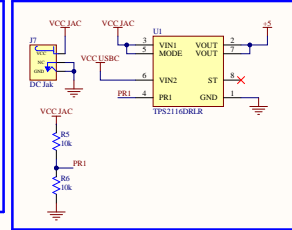
### USB TYPE C



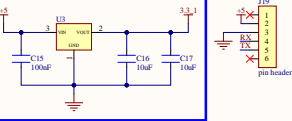
### HUB connection



### power distribution of usbc with DC jack

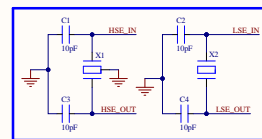


### VCC => 3.3V

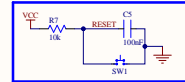


## STM32 Attachment

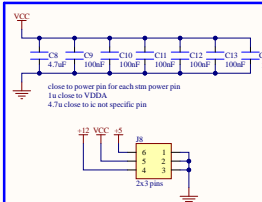
### Crystal



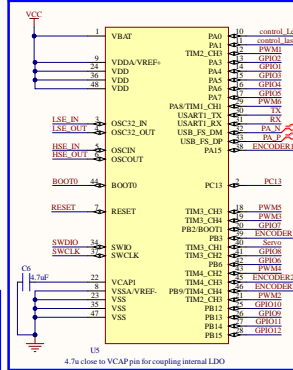
### RESET



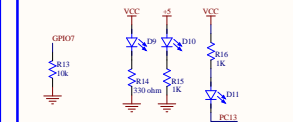
### power efficiency



## STM32

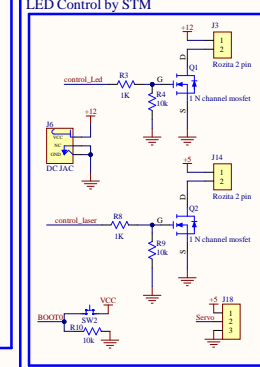


### Test and Debugging & Extra part of MCU

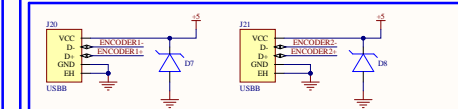


## Control Part

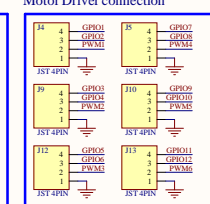
### LED Control by STM



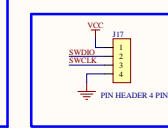
### Encoder & BOOT loader



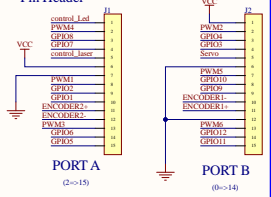
### Motor Driver connection



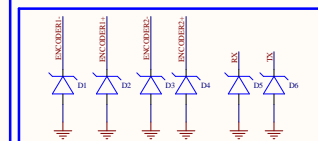
### ST Link connection



### Pin Header



### ESD Protection



### ESD Protection Diode close to the connector

ESD Protection Diode for RX, TX close to the HUB connector  
 Cannot open file  
 D:\Khaud\Mod  
 Cloud\Logo\black  
 png. File does not  
 exist.

Title		Motion Board with STM32	
Size	Number	Revision	
A			
Date:	11/01/2025	Sheet of	
File:	C:\Users\STM32\Documents\Control Board Sch	Drawn by:	