



# Gastroscopy Cut Controller

Gastroscopy Cut Controller

18.12.2022

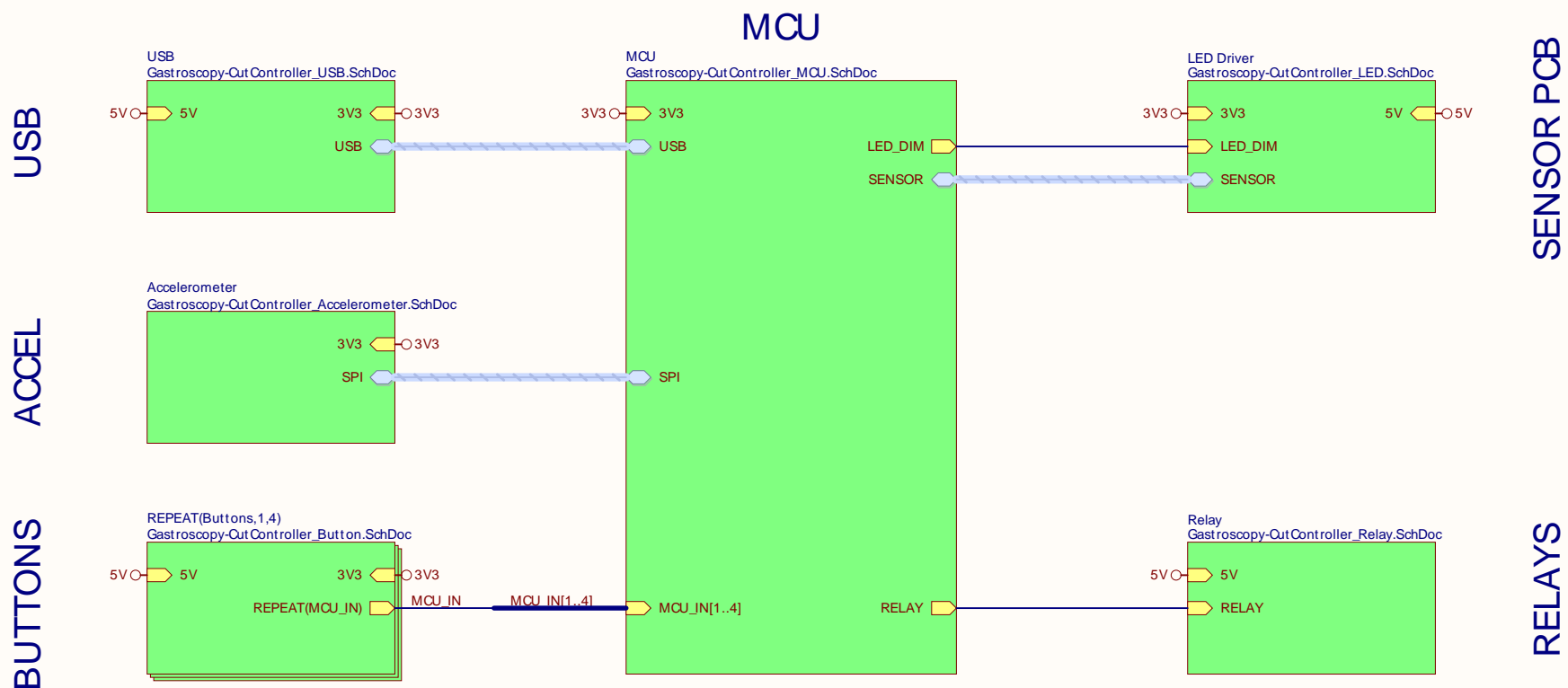
[Overview](#)  
[Gastroscopy-CutController\\_Overview.SchDoc](#)


Company: MRobot, LLC

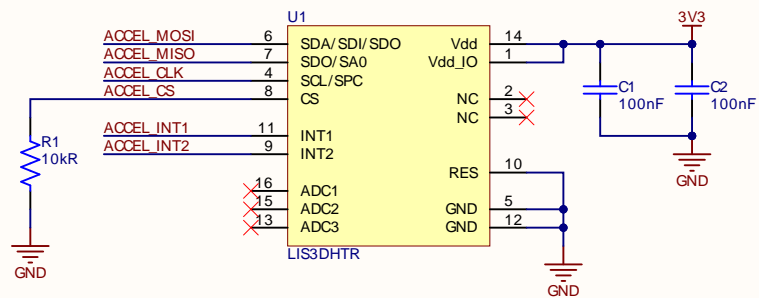
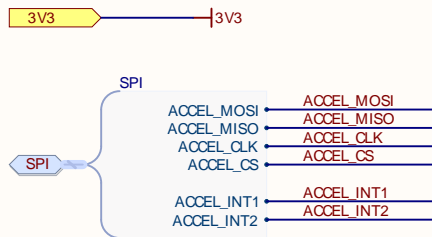
Project: Gastroscopy CutController


Jira Key: GSTRONTRL

REVISION	DESCRIPTION	DATE	ECO	ENGINEER
0.1.0	Prototype	12/18/2022	0000	Podlesnyi V.S.

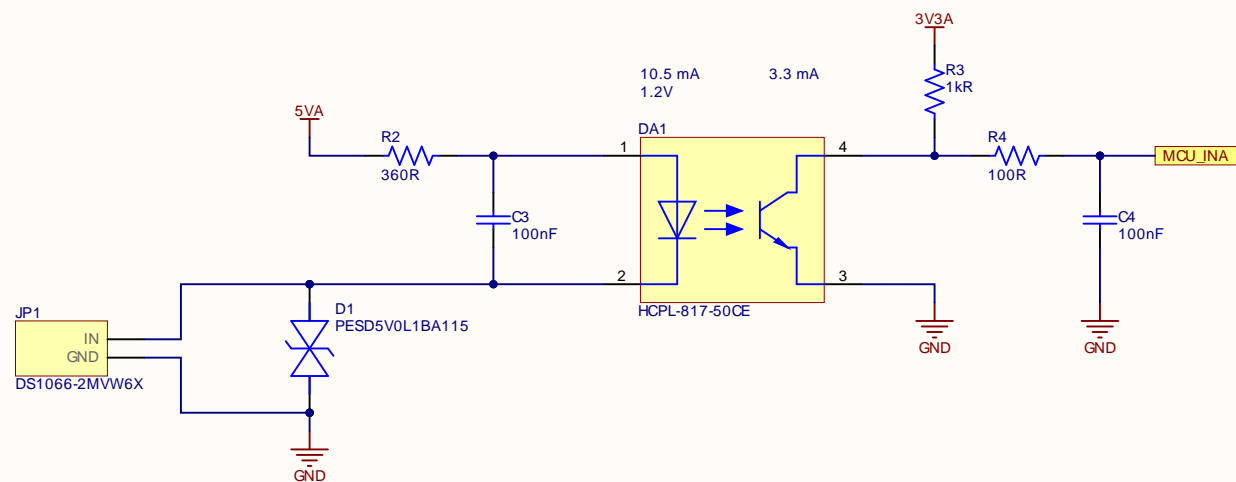


Title: Overview			MRobot, LCC nab. reki Karpovki, d. 5/3E Saint-Petersburg, 197022 Ph: +7 (911) 701-51-99	 <a href="http://www.mrobots.ru">www.mrobots.ru</a>
Project: Gastroscopy Cut Controller				
Size A	Number: 0000-0000	Revision 0.1.0	Engineer: Podlesnyi Vasilii	
Date: 18.12.2022	Time: 12:38:40	Sheet 2 of 11		
File: Gastroscopy-Cut Controller_Overview.SchDoc				




Title: Accelerometer			MRobot, LCC nab. reki Karpovki, d. 5/3E Saint-Petersburg, 197022 Ph: +7 (911) 701-51-99	 <a href="http://www.mrobots.ru">www.mrobots.ru</a>
Project: Gastrosocopy CutController				
Size A	Number: 0000-0000	Revision 0.1.0	Engineer: Podlesnyi Vasilii	
Date: 18.12.2022	Time: 12:38:40	Sheet 3 of 11		
File: Gastrosocopy-Out Controller_Accelerometer.SchDoc				

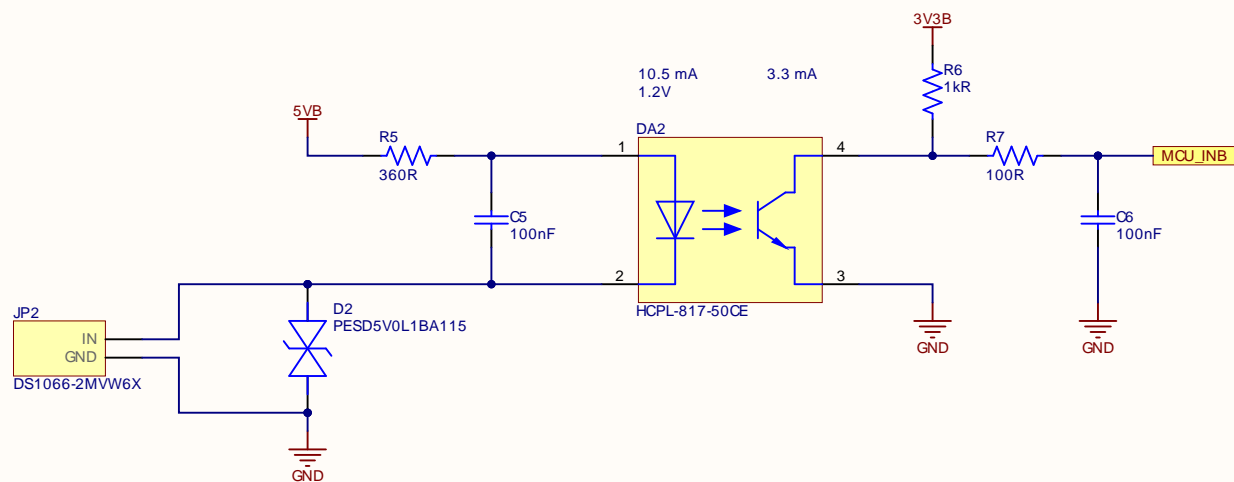
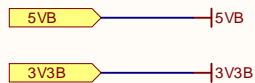
5VA  
3V3A



## ADDITIONAL PARTS




Title: Buttons			MRobot, LCC nab. reki Karpovki, d. 5/3E Saint-Petersburg, 197022 Ph: +7 (911) 701-51-99	 <a href="http://www.mrobots.ru">www.mrobots.ru</a>
Project: Gastroscopy Out Controller				
Size A	Number: 0000-0000	Revision 0.1.0	Engineer: Podlesnyi Vasilii	
Date: 18.12.2022	Time: 12:38:41	Sheet 4.1 of 11		
File: Gastroscopy-Out Controller_Button.SchDoc				



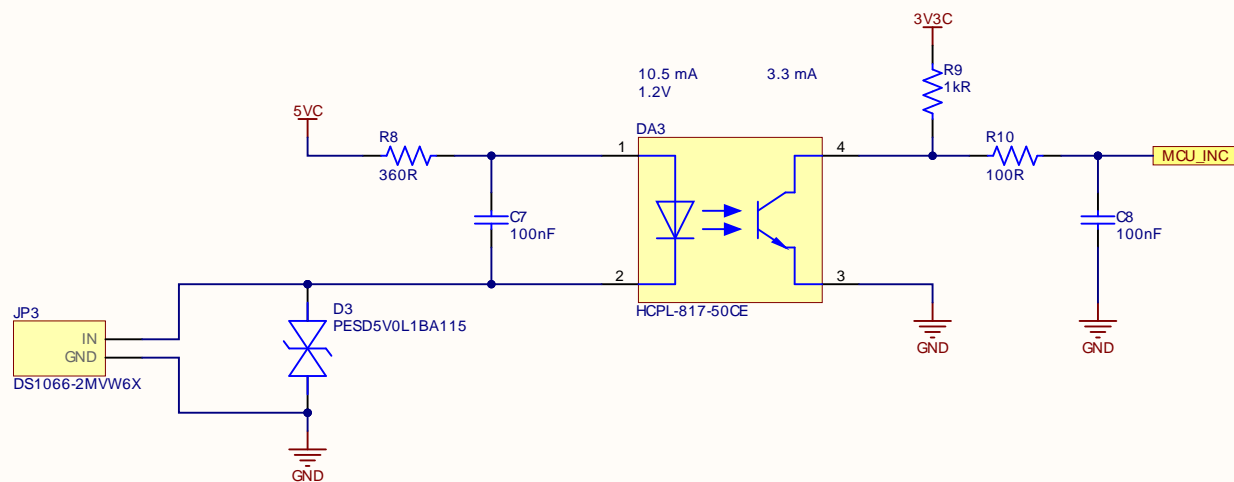
## ADDITIONAL PARTS



Title: Buttons			MRobot, LCC nab. reki Karpovki, d. 5/3E Saint-Petersburg, 197022 Ph: +7 (911) 701-51-99	 <a href="http://www.mrobots.ru">www.mrobots.ru</a>
Project: Gastroscopy Out Controller				
Size A	Number: 0000-0000	Revision 0.1.0	Engineer: Podlesnyi Vasilii	
Date: 18.12.2022	Time: 12:38:41	Sheet 4.2of 11		
File: Gastroscopy-Out Controller_Button.SchDoc				

5VC

3V3C



## ADDITIONAL PARTS




DS1066-2-FCW



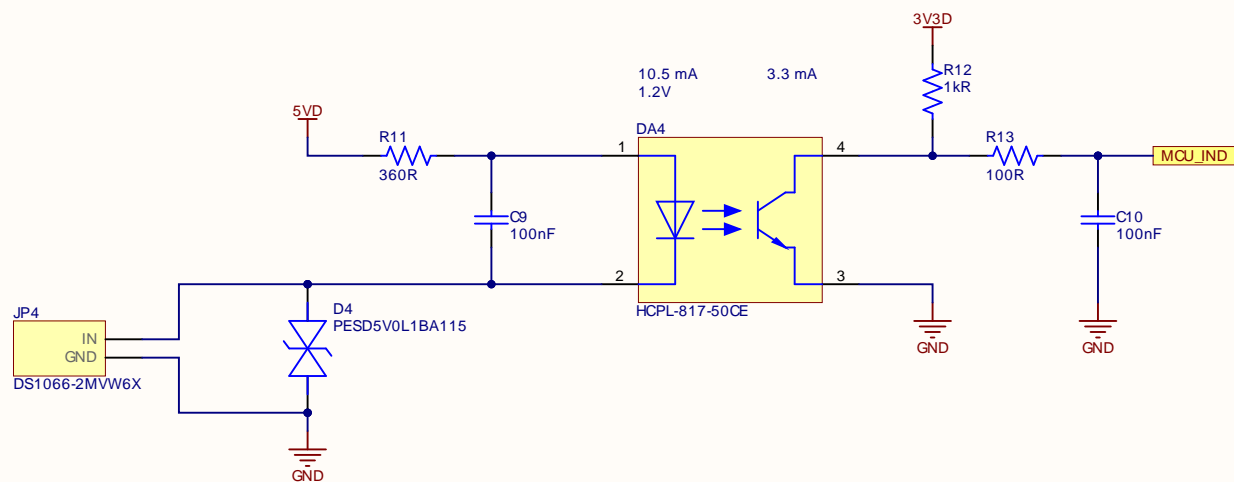
T-DS1066-SC600-N-019



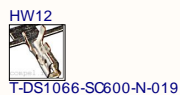
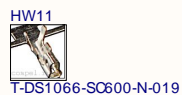
T-DS1066-SC600-N-019


Title: Buttons			MRobot, LCC nab. reki Karpovki, d. 5/3E Saint-Petersburg, 197022 Ph: +7 (911) 701-51-99
Project: Gastroscopy Cut Controller			
Size A	Number: 0000-0000	Revision 0.1.0	Engineer: Podlesnyi Vasilii
Date: 18.12.2022	Time: 12:38:41	Sheet 4.3of 11	
File: Gastroscopy-Cut Controller_Button.SchDoc			 <a href="http://www.mrobots.ru">www.mrobots.ru</a>

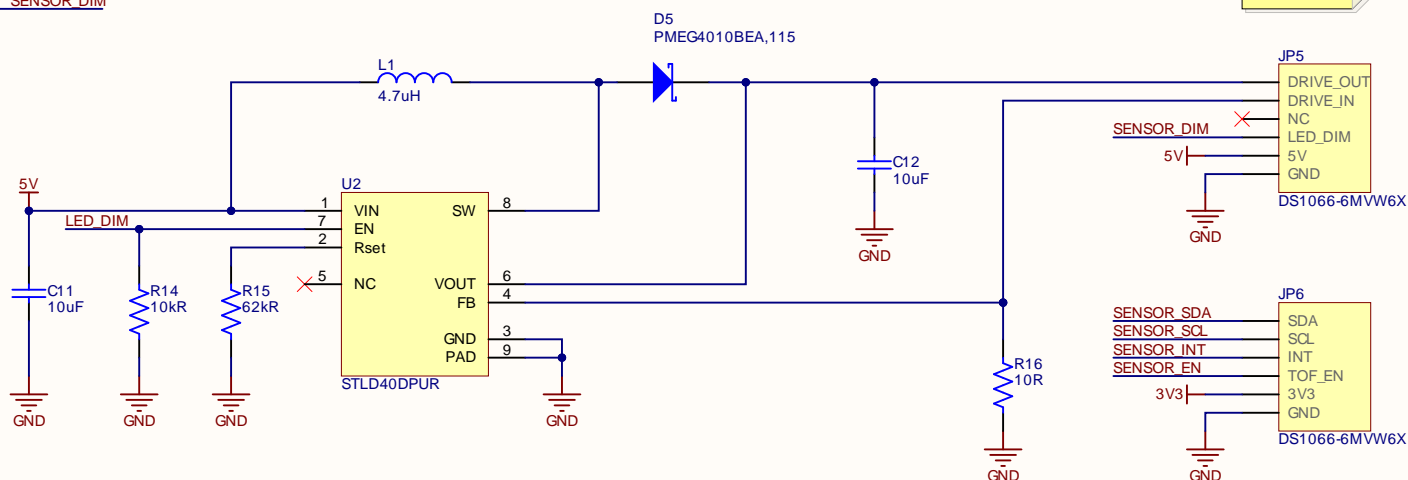
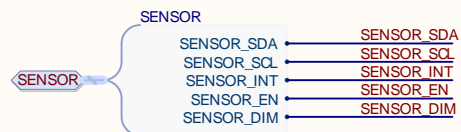
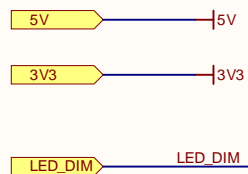
5VD  
3V3D



## ADDITIONAL PARTS



Title: Buttons			MRobot, LCC nab. reki Karpovki, d. 5/3E Saint-Petersburg, 197022 Ph: +7 (911) 701-51-99	 <a href="http://www.mrobots.ru">www.mrobots.ru</a>
Project: Gastroscopy Out Controller				
Size A	Number: 0000-0000	Revision 0.1.0	Engineer: Podlesnyi Vasilii	
Date: 18.12.2022	Time: 12:38:41	Sheet 4.4 of 11		
File: Gastroscopy-Out Controller_Button.SchDoc				



## ADDITIONAL PARTS



HW13  
T-DS1066-SC600-N-019



HW16  
T-DS1066-SC600-N-019



HW19  
T-DS1066-SC600-N-019



HW22  
T-DS1066-SC600-N-019



HW14  
T-DS1066-SC600-N-019



HW17  
T-DS1066-SC600-N-019



HW20  
T-DS1066-SC600-N-019



HW23  
T-DS1066-SC600-N-019



HW25  
T-DS1066-SC600-N-019



HW15  
DS1066-6-FCW



HW18  
DS1066-6-FCW



HW21  
T-DS1066-SC600-N-019



HW24  
T-DS1066-SC600-N-019



HW26  
T-DS1066-SC600-N-019

Title: LED Driver

Project: Gastroscopy Out Controller

Size A

Number: 0000-0000

Revision 0.1.0

Date: 18.12.2022 Time: 12:38:41

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File: Gastroscopy-Cut Controller\_LED.SchDoc

MRobot, LCC  
nab. reki Karpovki, d. 5/3E  
Saint-Petersburg, 197022  
Ph: +7 (911) 701-51-99

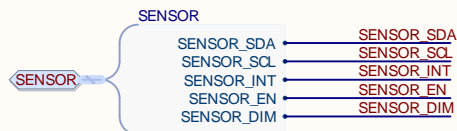
Engineer:  
Podlesnyi Vasilii



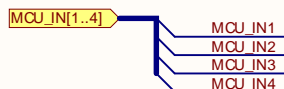
[www.mrobots.ru](http://www.mrobots.ru)



3V3

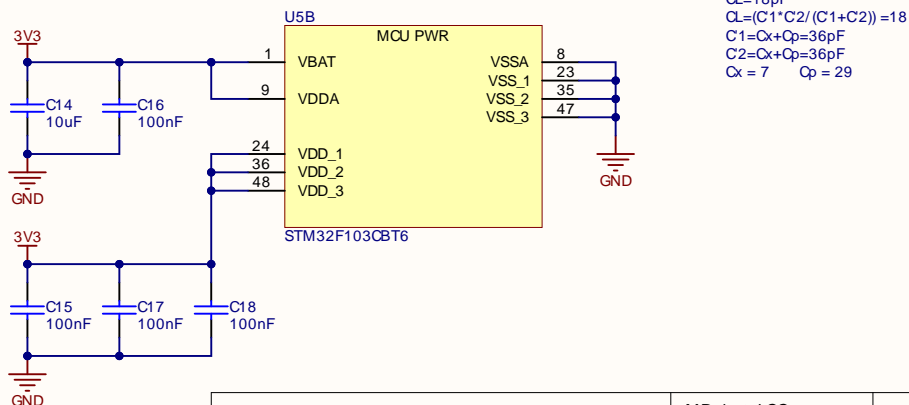
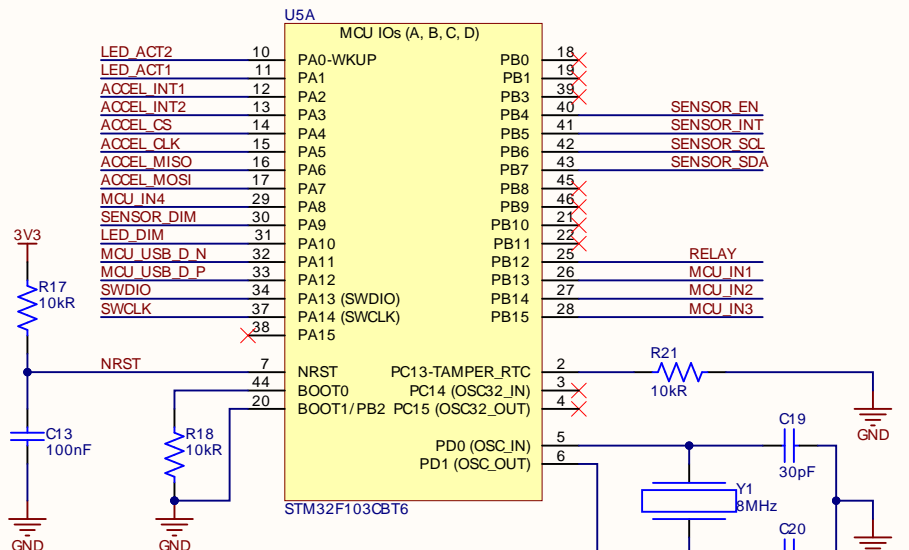
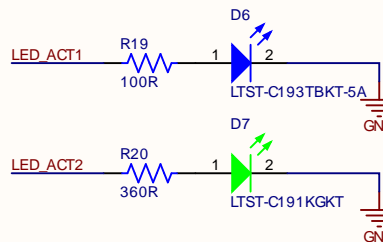
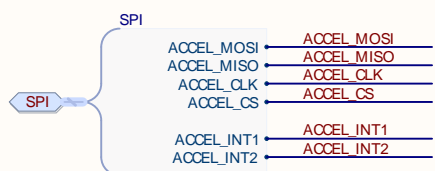
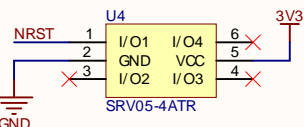
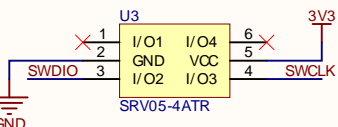
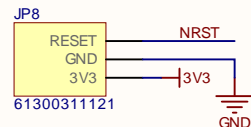
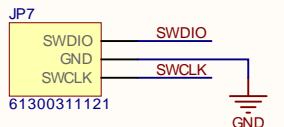


LED\_DIM




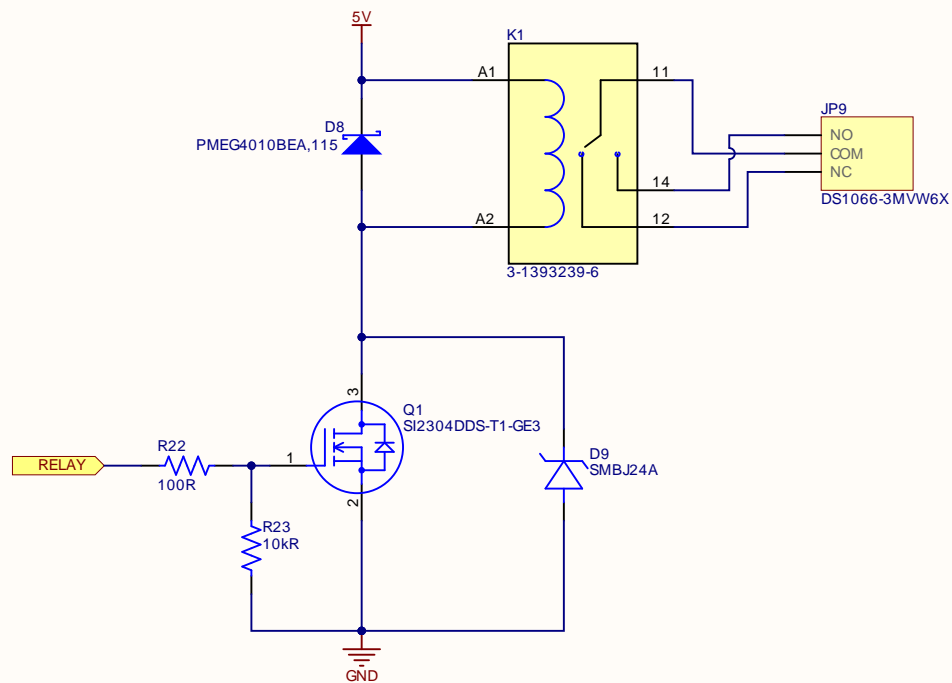
RELAY


SWD



CL=18pF  
CL=(C1\*C2/(C1+C2))=18  
C1=Cx+Cp=36pF  
C2=Cx+Cp=36pF  
Cx = 7    Cp = 29

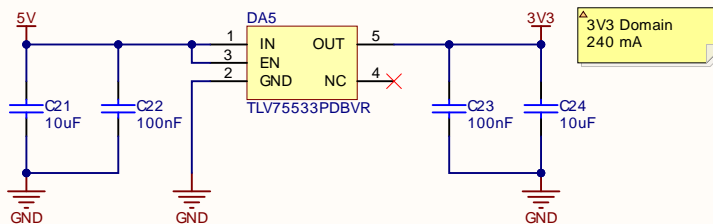
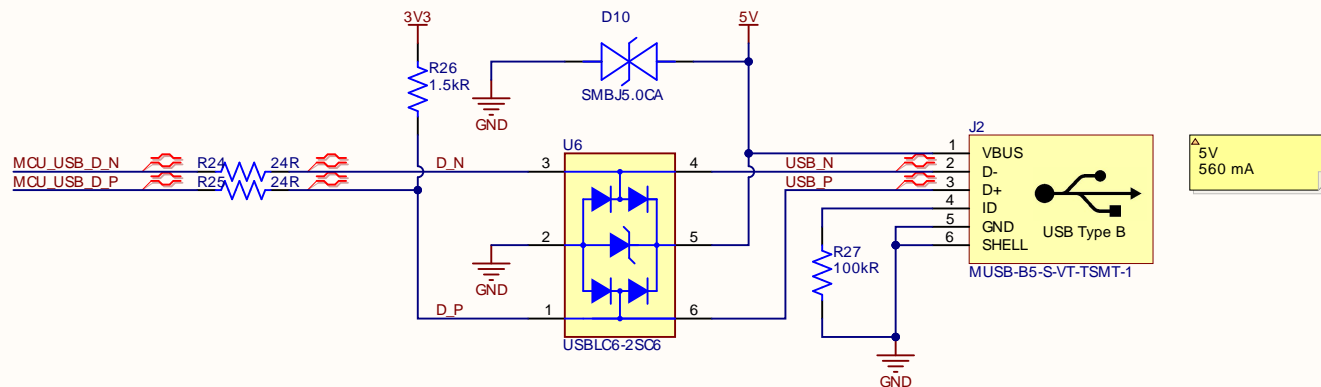
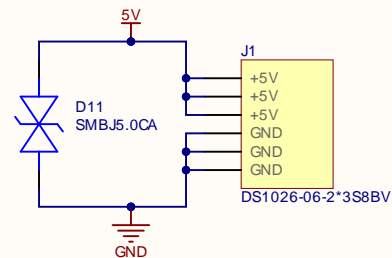
Title: MCU			MRobot, LCC nab. reki Karpovki, d. 5/3E Saint-Petersburg, 197022 Ph: +7 (911) 701-51-99	 <a href="http://www.mrobots.ru">www.mrobots.ru</a>
Project: Gastroscopy Cut Controller				
Size A	Number: 0000-0000	Revision 0.1.0	Engineer: Podlesnyi Vasilii	
Date: 18.12.2022	Time: 12:38:41	Sheet 6 of 11		
File: Gastroscopy-Cut Controller MCU.SchDoc				




<b>Title:</b> Relay			<b>MRobot, LCC</b> nab. reki Karpovki, d. 5/3E Saint-Petersburg, 197022 Ph: +7 (911) 701-51-99	  <a href="http://www.mrobots.ru">www.mrobots.ru</a>
<b>Project:</b> Gastroscopey Out Controller				
<b>Size A</b>	<b>Number:</b> 0000-0000	<b>Revision</b> 0.1.0	<b>Engineer:</b> Podlesnyi Vasilii	
<b>Date:</b> 18.12.2022	<b>Time:</b> 12:38:41	<b>Sheet</b> 7 of 11		
<b>File:</b> Gastroscopey-Out Controller_Relay_SchDoc				

5V

3V3



Title: USB			MRobot, LCC nab. reki Karpovki, d. 5/3E Saint-Petersburg, 197022 Ph: +7 (911) 701-51-99	 <a href="http://www.mrobots.ru">www.mrobots.ru</a>
Project: Gastroscopy Cut Controller				
Size A	Number: 0000-0000	Revision 0.1.0	Engineer: Podlesnyi Vasilii	
Date: 18.12.2022	Time: 12:38:41	Sheet 8 of 11		
File: Gastroscopy-Cut Controller USB.SchDoc				