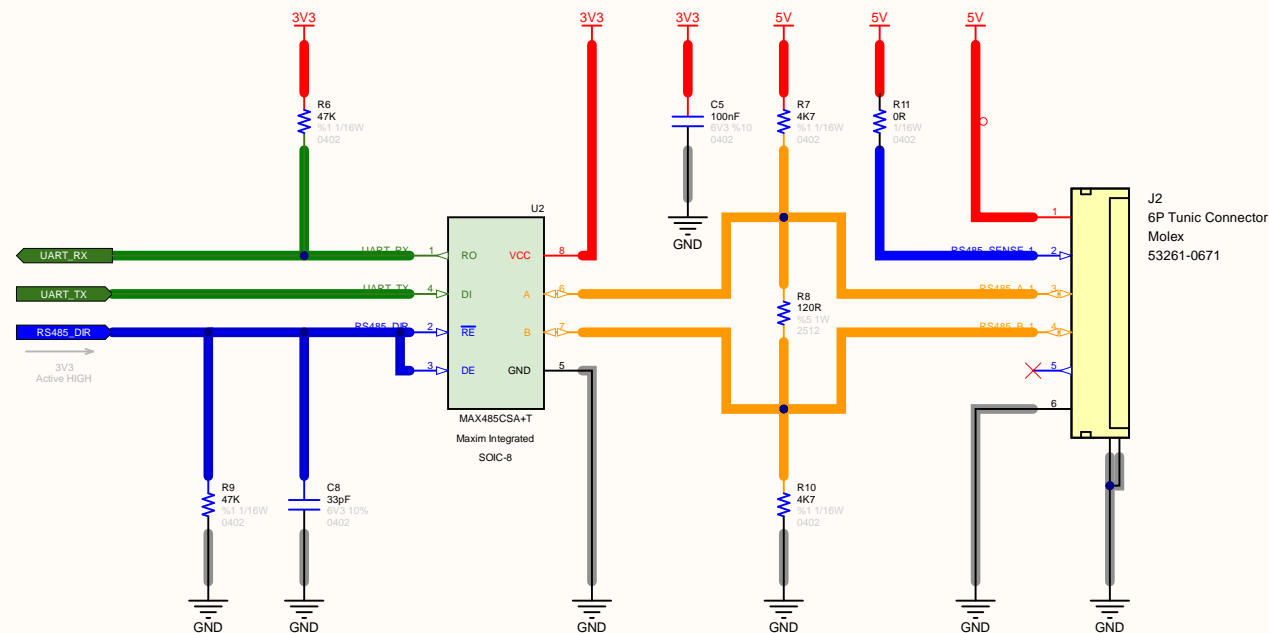



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Engineer contact : akkoyun@me.com

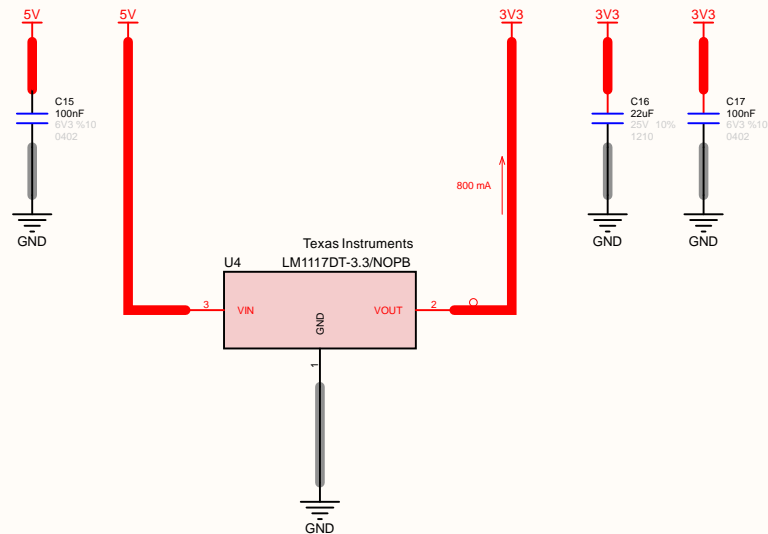
Property of **STF Labs**

J2  
6P Tunic Connector  
Molex  
53261-0671


RS485 Communication Layer			Engineer : <a href="#">Gunce Akkoyun</a>	<b>STF Res-Dev</b> Buyuk Kayaci Mah. 4. OSB 103. Cad. No : 12 Selcuklu / Konya Türkiye	
			Customer : <a href="#">STF Labs</a>		
Size : <a href="#">A4</a>	Project : <a href="#">P101EA</a>		Product ID : <a href="#">P101EA</a>		
			Module ID : <a href="#">B152BA</a>		
Date : <a href="#">5.06.2023</a>	Time : <a href="#">13:04:14</a>	Page : <a href="#">2 / 6</a>	Version : <a href="#">R1</a>		
File : <a href="#">RS485 Communication Layer.SchDoc</a>			Revision : <a href="#">00.00.01</a>		

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Engineer contact : akkoyun@me.com

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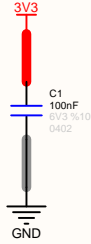
[www.github.com/akkoyun/B152BA](https://www.github.com/akkoyun/B152BA)

3V3 Regulator			Engineer : Gunce Akkoyun	<b>STF Res-Dev</b> Buyuk Kayacik Mah. 4. OSB 103. Cad. No : 12 Selcuklu / Konya Türkiye	
			Customer : STF Labs		
Size : A4	Project : P101EA		Product ID : P101EA		
			Module ID : B152BA		
Date : 5.06.2023	Time : 13:04:14	Page : 3 / 6	Version : R1		
File : 3V3 LDO Regulator.SchDoc			Revision : 00.00.01		

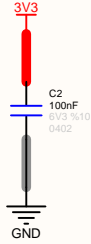
B152AA module have a on-board MCU  
for measuring counter and transmit  
value to main unit.

MCU works on 3V3 voltage level and  
use internal 8 MHz osillator.

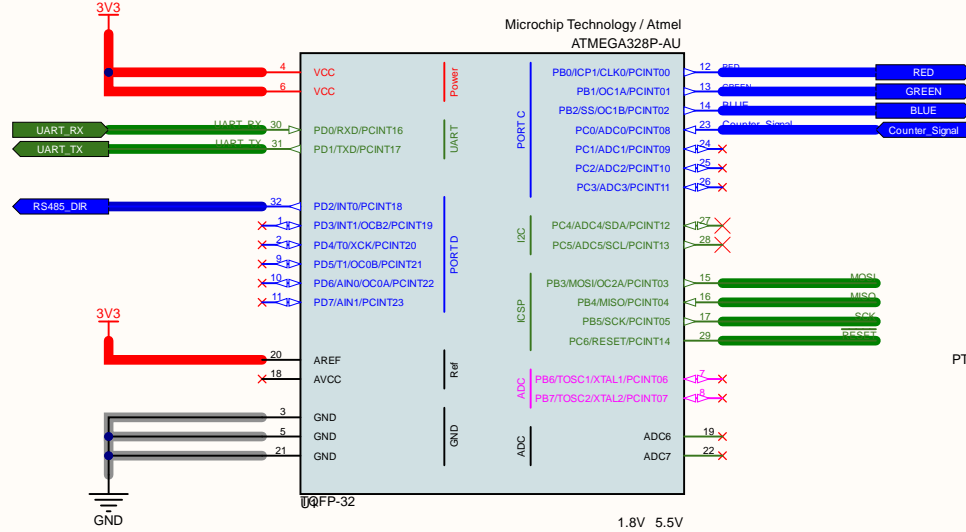
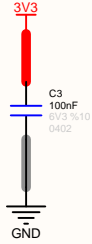
By-Pass Capacitor  
Close to Atmega328P  
Pin-4 (Vcc)



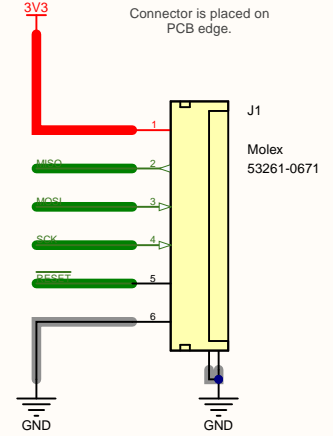
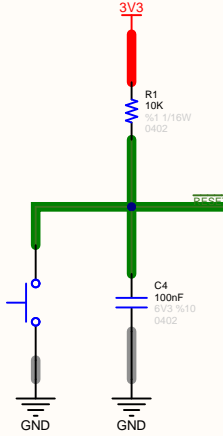
By-Pass Capacitor  
Close to Atmega328P  
Pin-6 (Vcc)




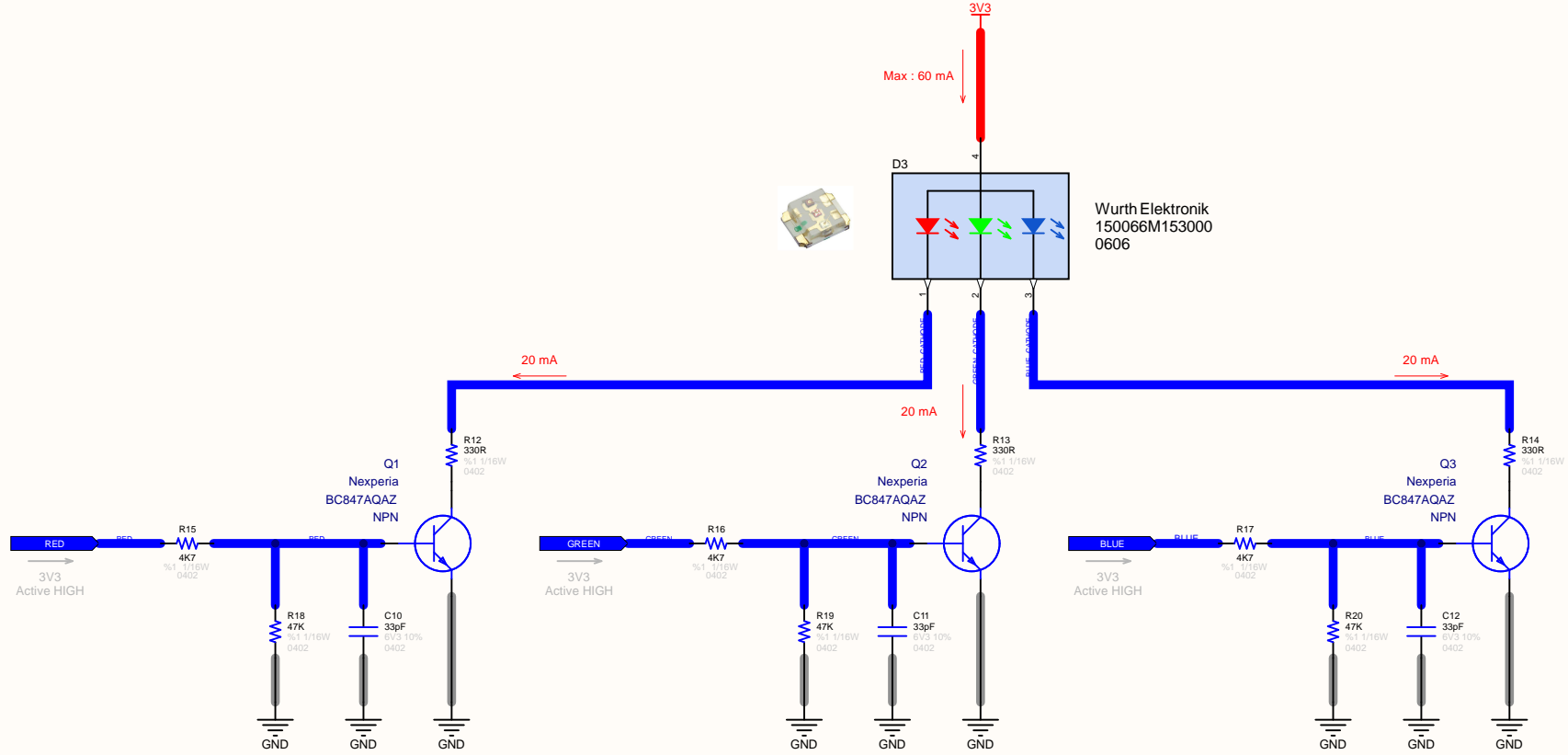
By-Pass Capacitor  
Close to Atmega328P  
Pin-18 (Avcc)




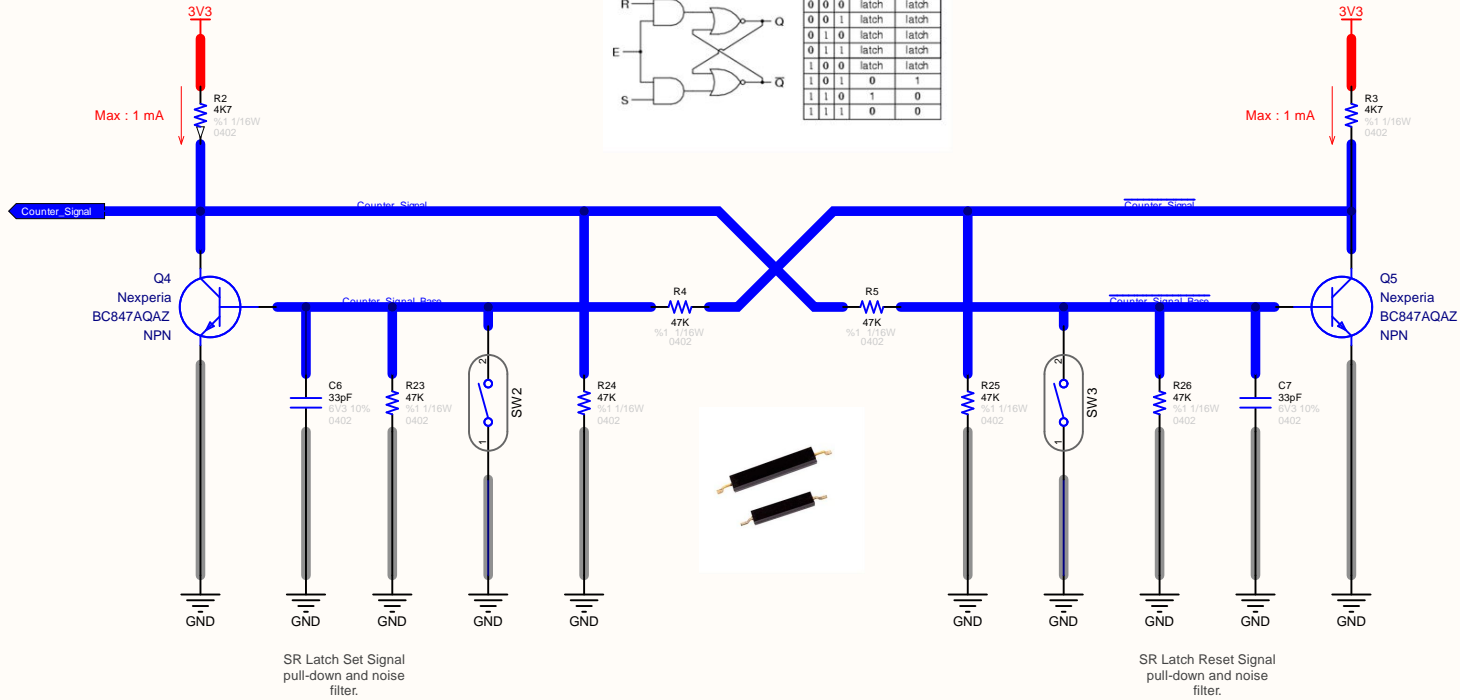
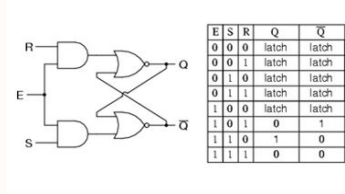
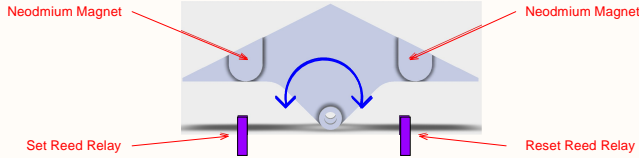
SW1  
C&K Switches  
PTS526SK08SMTR2LFS



MicroController				Engineer : <span>Gunce Akkoyun</span>	<div>STF Res-Dev</div> <div>Buyuk Kayacik Mah. 4. OSB 103. Cad. No : 12 Selcuklu / Konya Türkiye</div> <div></div>
Size : <span>A4</span>		Project : <span>P101EA</span>		Customer : <span>STF Labs</span>	
Date : <span>5.06.2023</span>		Time : <span>13:04:14</span>		Product ID : <span>P101EA</span>	
Page : <span>4 / 6</span>				Module ID : <span>B152BA</span>	
File : <span>MicroController.SchDoc</span>				Version : <span>R1</span>	
				Revision : <span>00.00.01</span>	



MCU LED Layer			Engineer : <a href="#">Gunce Akkoyun</a>	<b>STF Res-Dev</b> Buyuk Kayacik Mah. 4. OSB 103. Cad. No : 12 Selcuklu / Konya Türkiye	
			Customer : <a href="#">STF Labs</a>		
Size : <a href="#">A4</a>	Project : <a href="#">P101EA</a>		Product ID : <a href="#">P101EA</a>		
Date : <a href="#">5.06.2023</a>			Module ID : <a href="#">B152BA</a>		
Time : <a href="#">13:04:14</a>	Page : <a href="#">5 / 6</a>		Version : <a href="#">R1</a>		
File : <a href="#">LED Inducator.SchDoc</a>			Revision : <a href="#">00.00.01</a>		



SR Latch			Engineer : <a href="#">Gunce Akkoyun</a>	<b>STF Res-Dev</b> Buyuk Kayacik Mah. 4. OSB 103. Cad. No : 12 Selcuklu / Konya Türkiye	
Size : A4		Project : P101EA	Customer : <a href="#">STF Labs</a>		
Date : 5.06.2023		Time : 13:04:14	Module ID : B152BA		
File : SR Latch.SchDoc		Page : 6 / 6	Version : R1		
			Revision : 00.00.01		