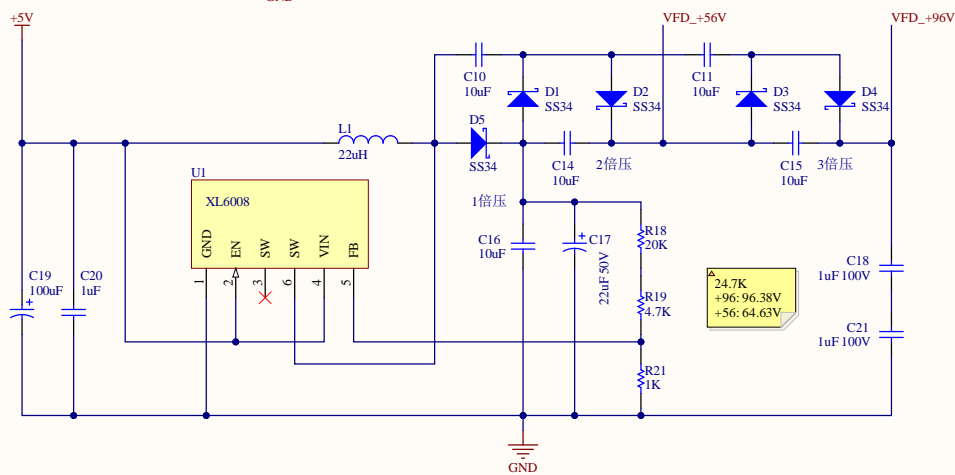


高电平开启:  
J1: NC  
J2: 2-3

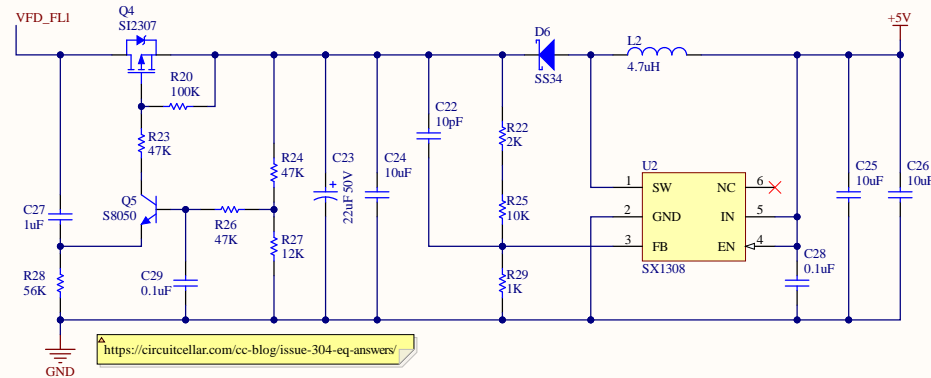
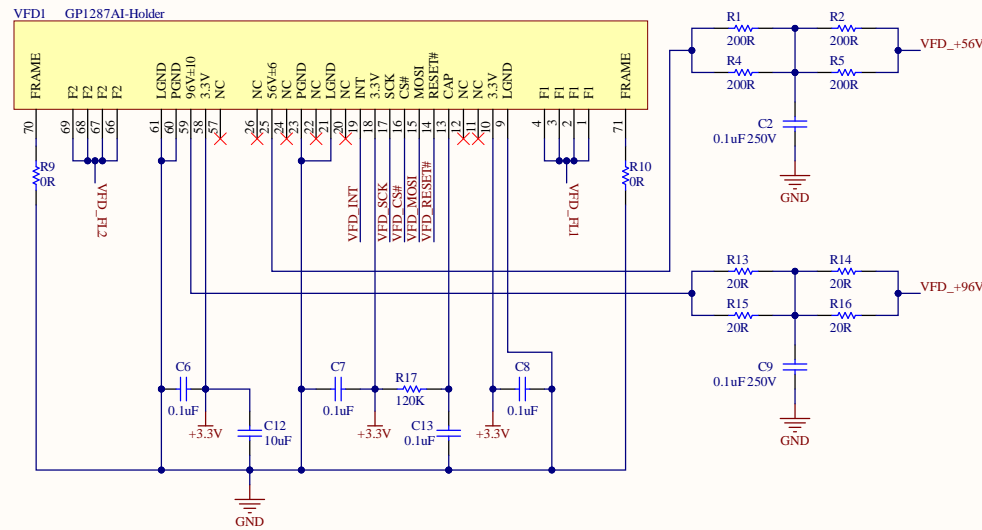
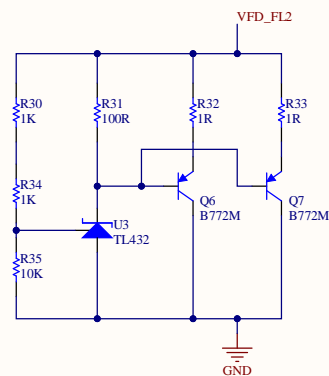
低电平开启:  
J1: 1-2  
J2: 1-2



当前灯丝偏压已设置为3V以减少发热和功耗，如果需要使用原板的4.1V偏压需要调整电阻阻值：  
R22 4.7K、R25 10K、R30 7.5K、R34 330R、R28 68K

非TL品牌、国产购买TL431  
TL品牌、仿品购买TL432  
区别为需要参考电压R在1脚上，购买时请特别注意

无特殊标注和注释的陶瓷电容均为50V  
无特殊标注和注释的电解电容均为16V



<https://circuitcellar.com/cc-blog/issue-304-eq-answers/>

Title		
GP1287AI VFD BOARD		
Size A3	Number 1	Revision 4.00
Date: 3/21/2022	Sheet of 1	
File: E:\Projects\...\Sheet1.SchDoc	Drawn By:	