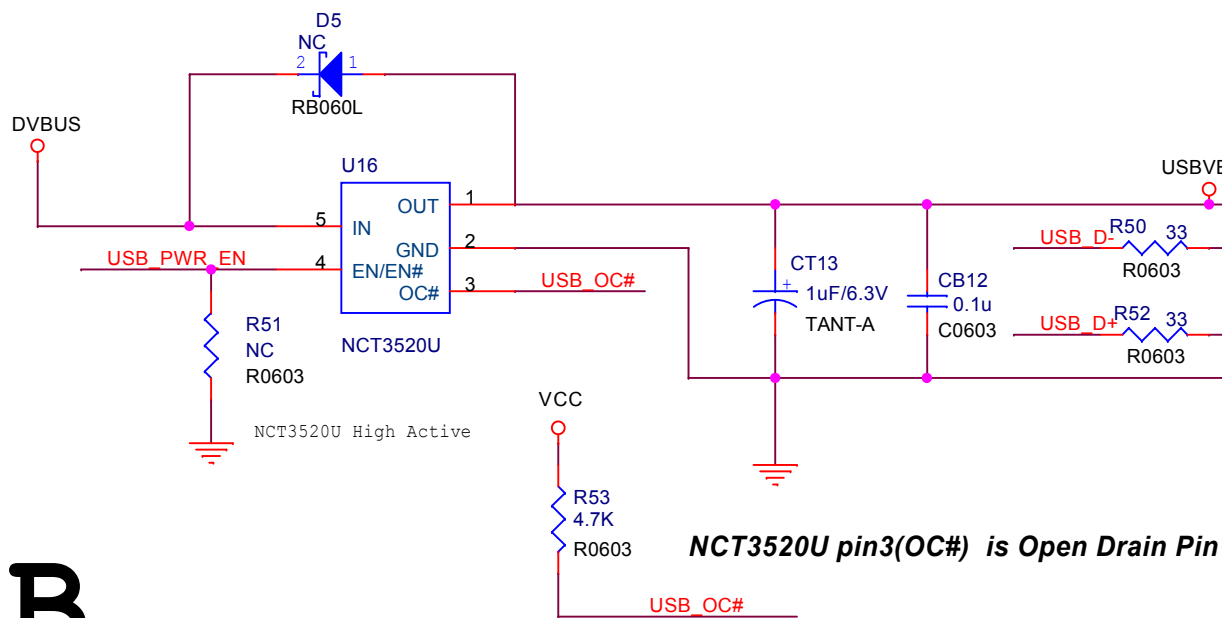


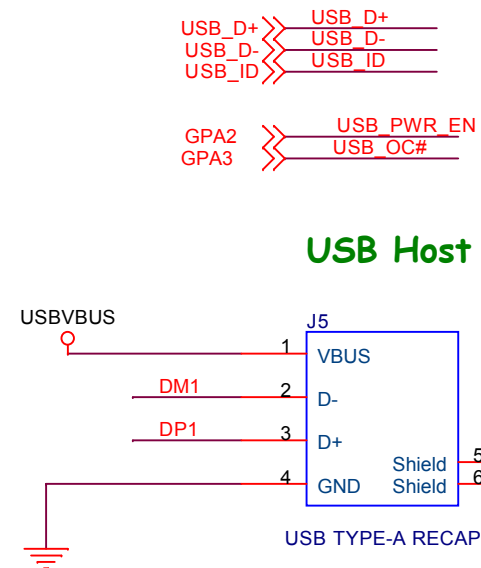
# Reset Circuit

# USB Devices

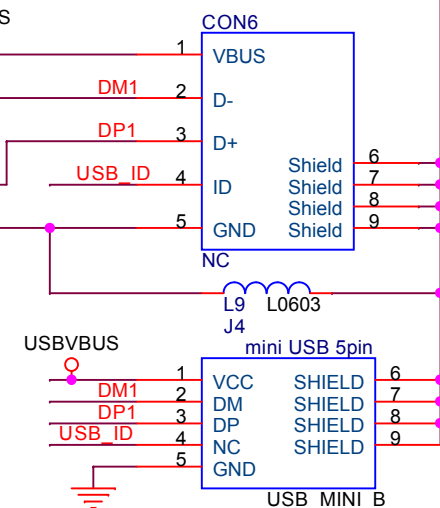
## USB Host/Device

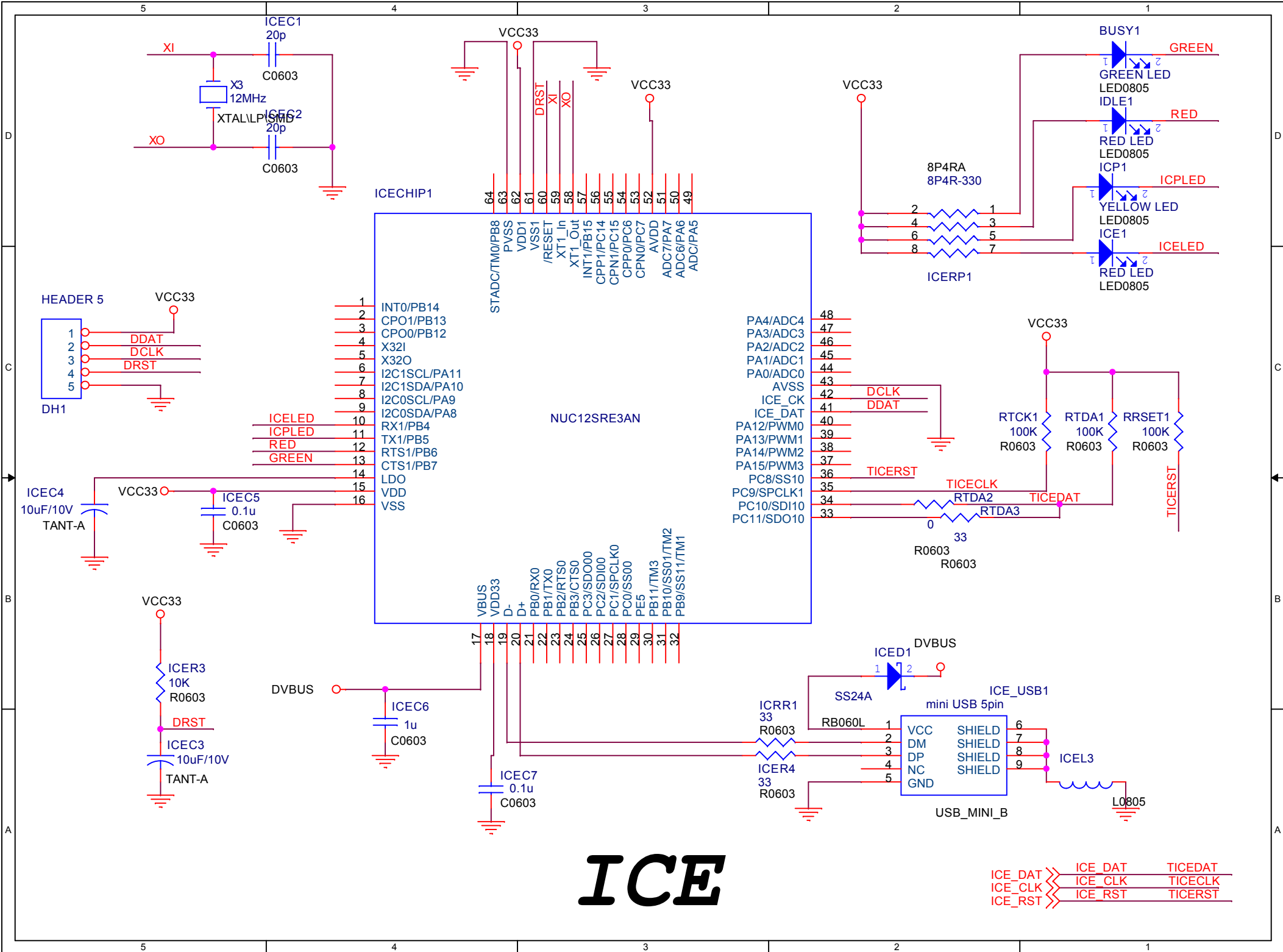


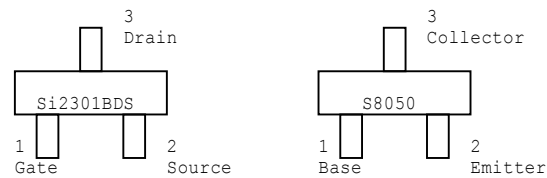
## USB Host



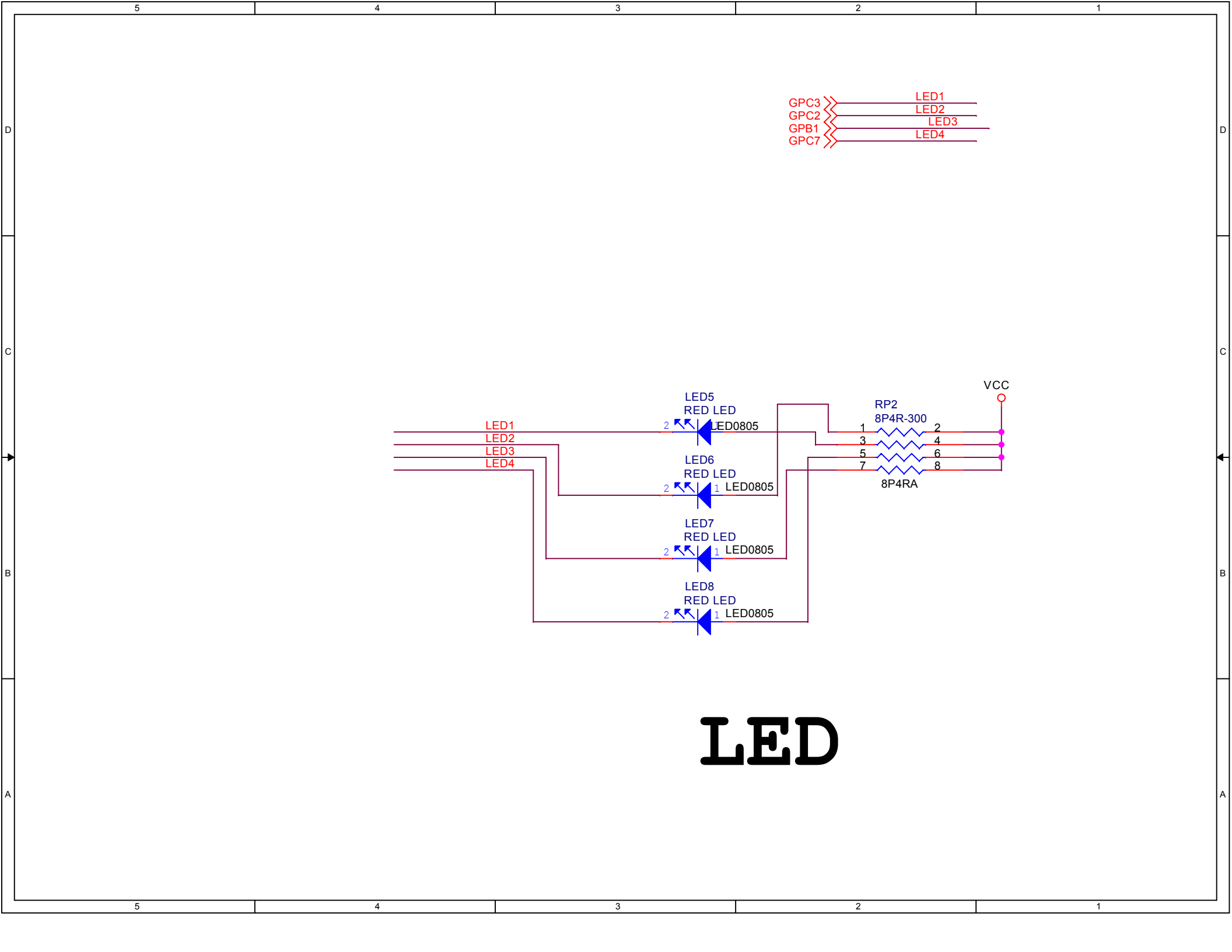
## USB OTG



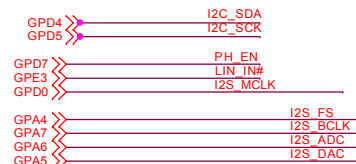




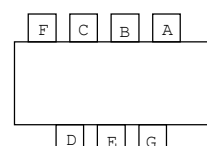
***TFT***  
***LCD***

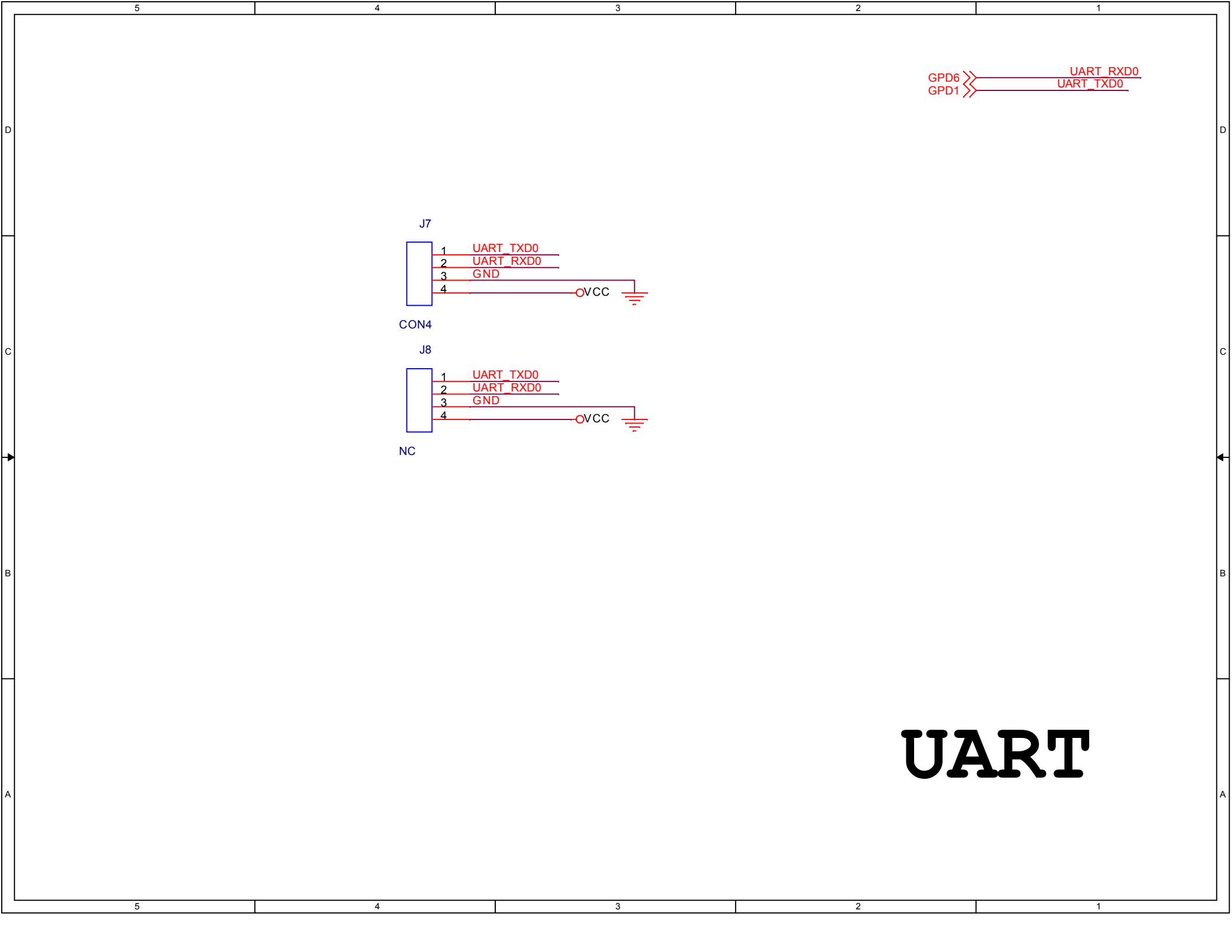




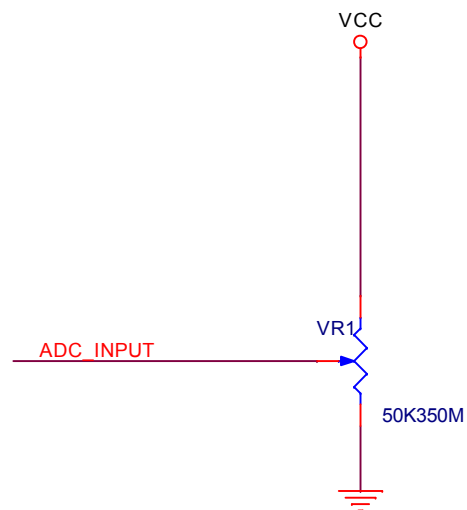


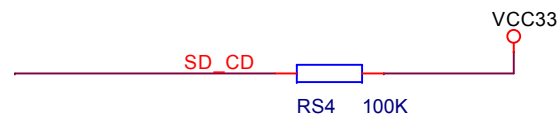
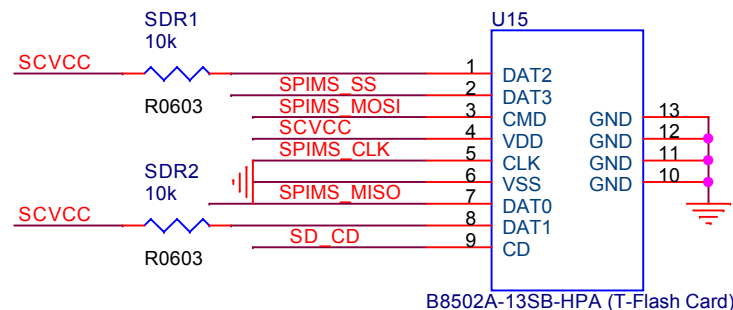
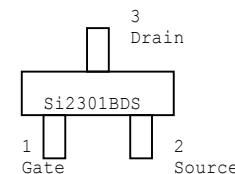
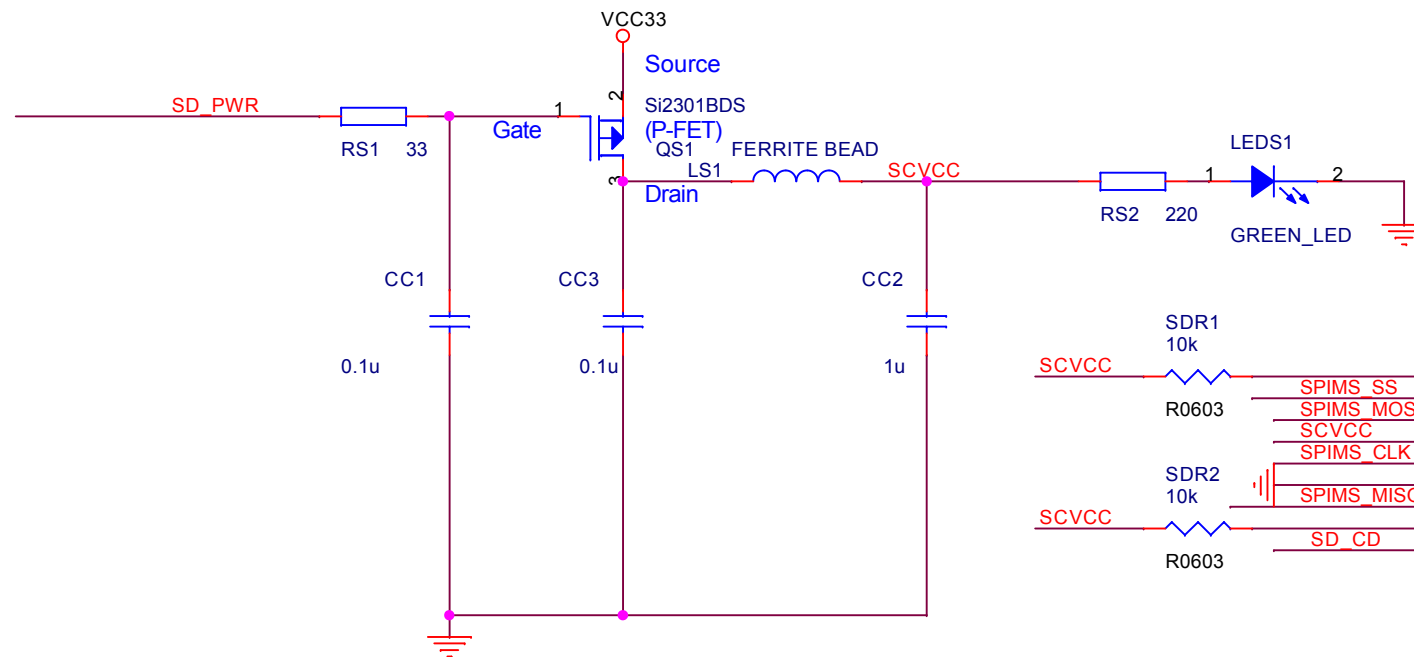
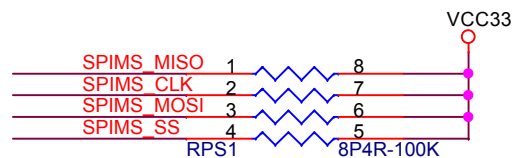
E-C Right channel  
F-D Left channel



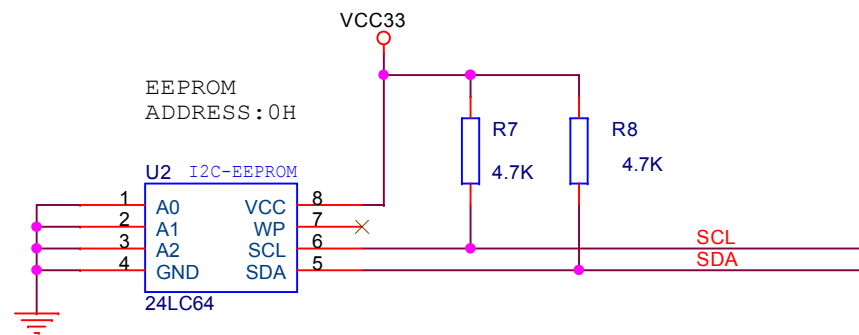


ADC



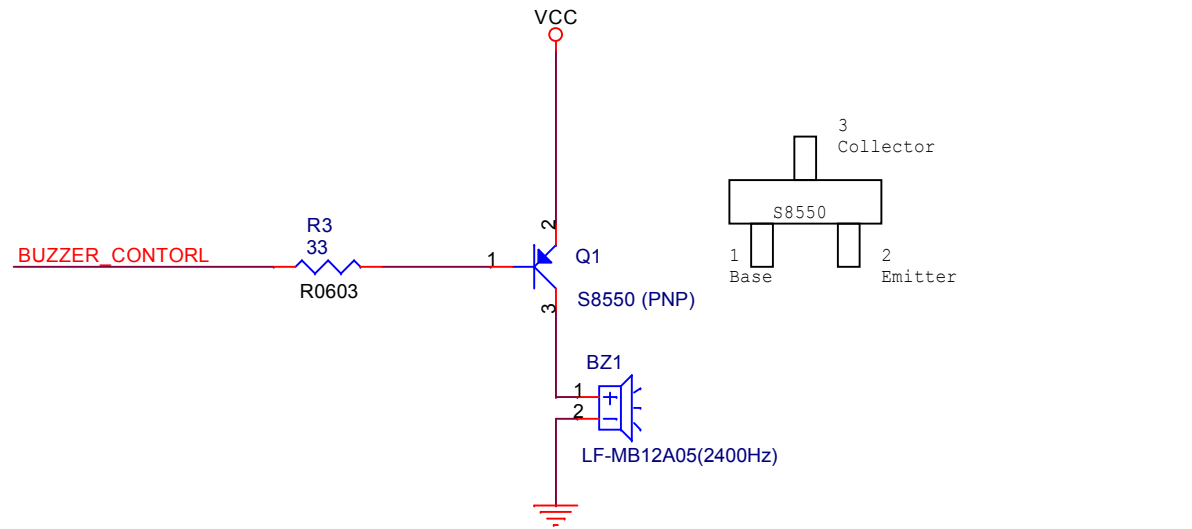


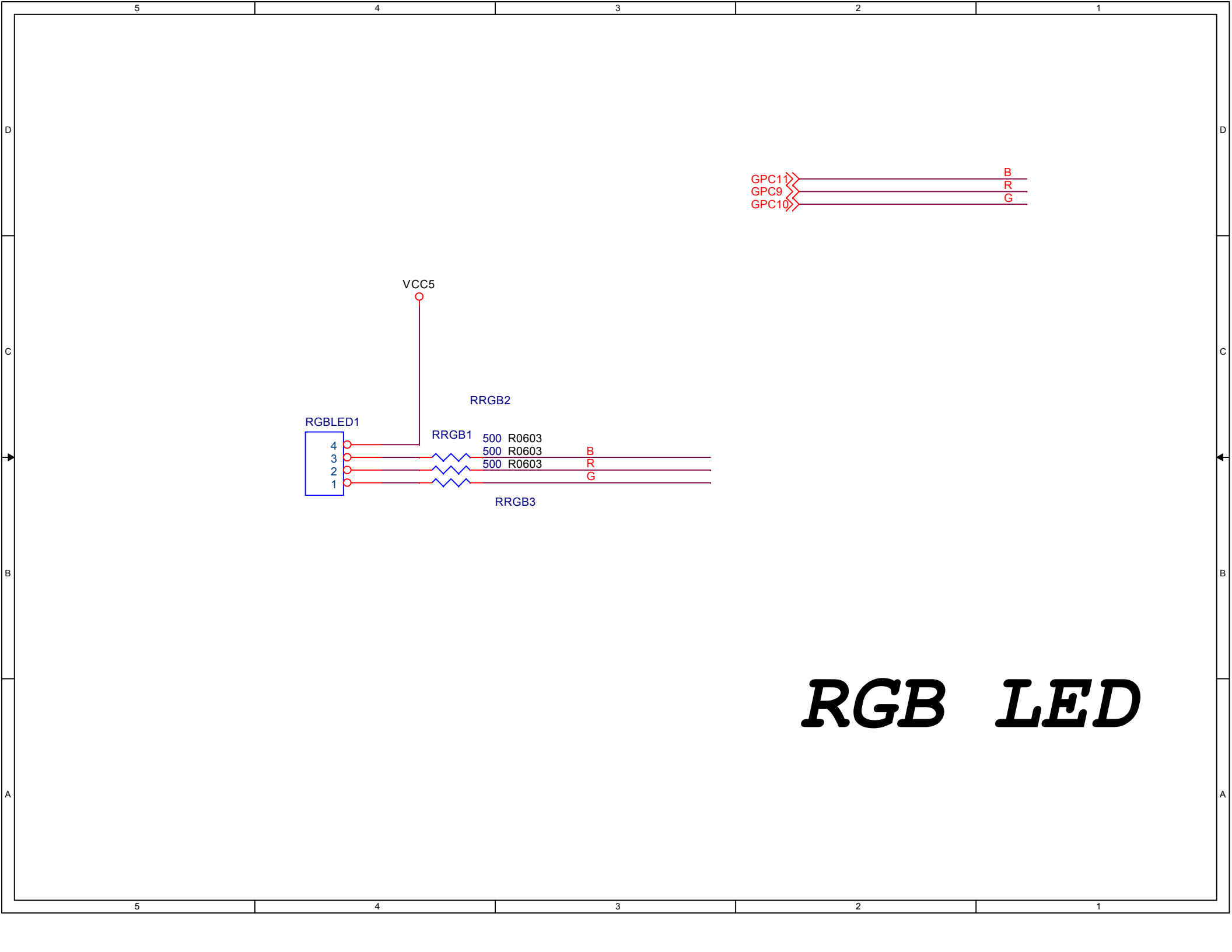
**SD**  
**Interface**

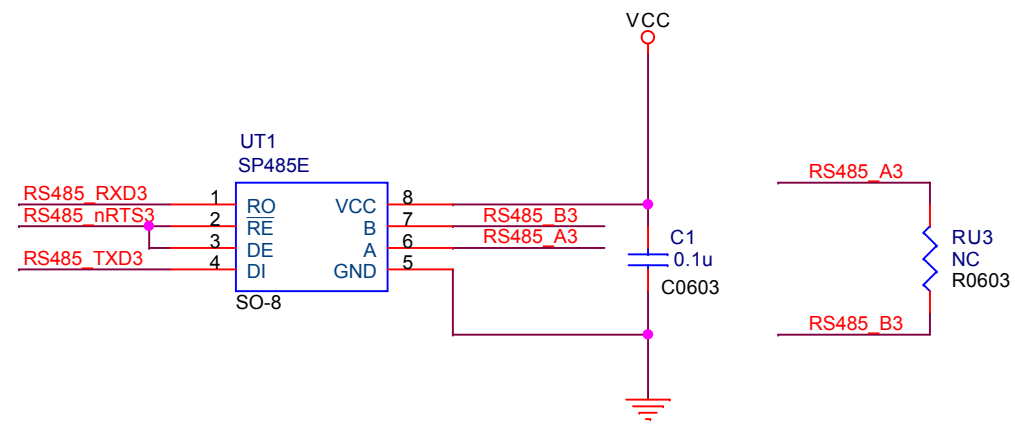
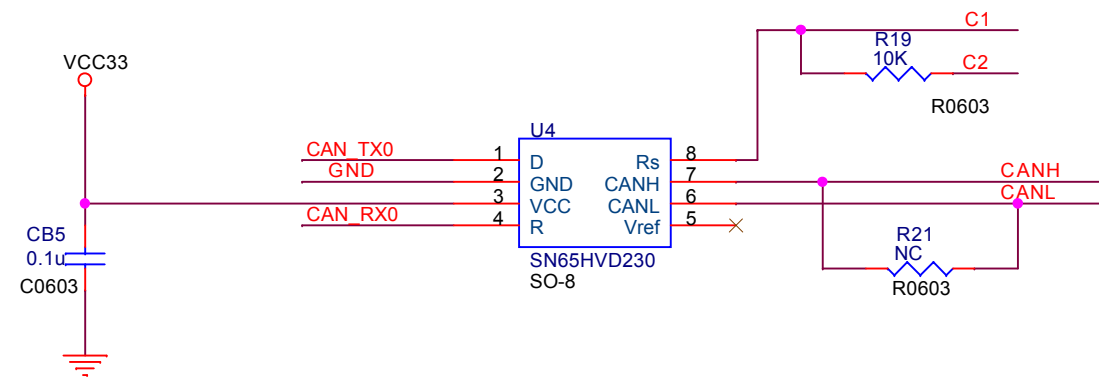
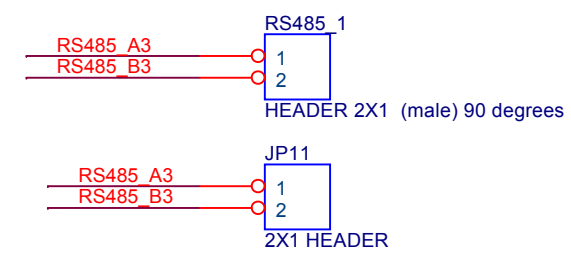
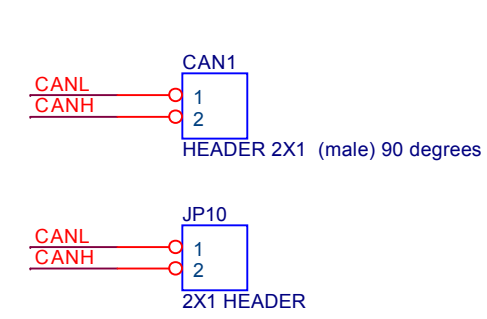
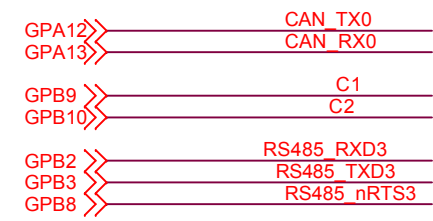


# I2C

# BUZZER

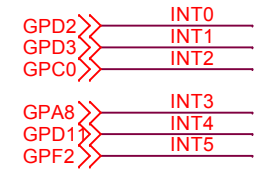
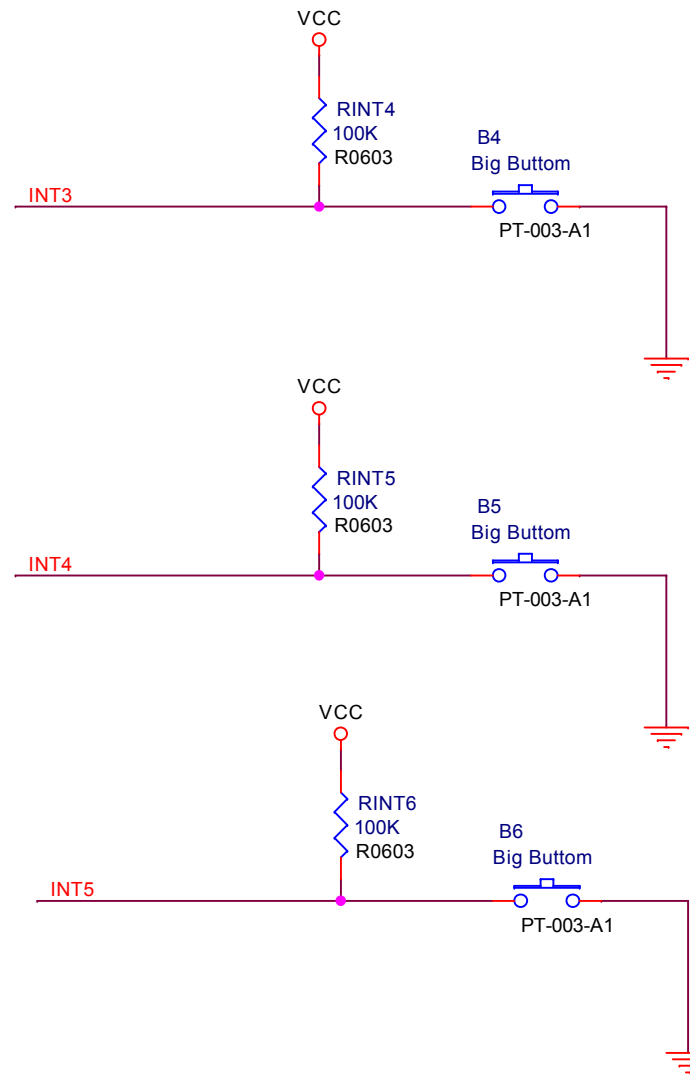
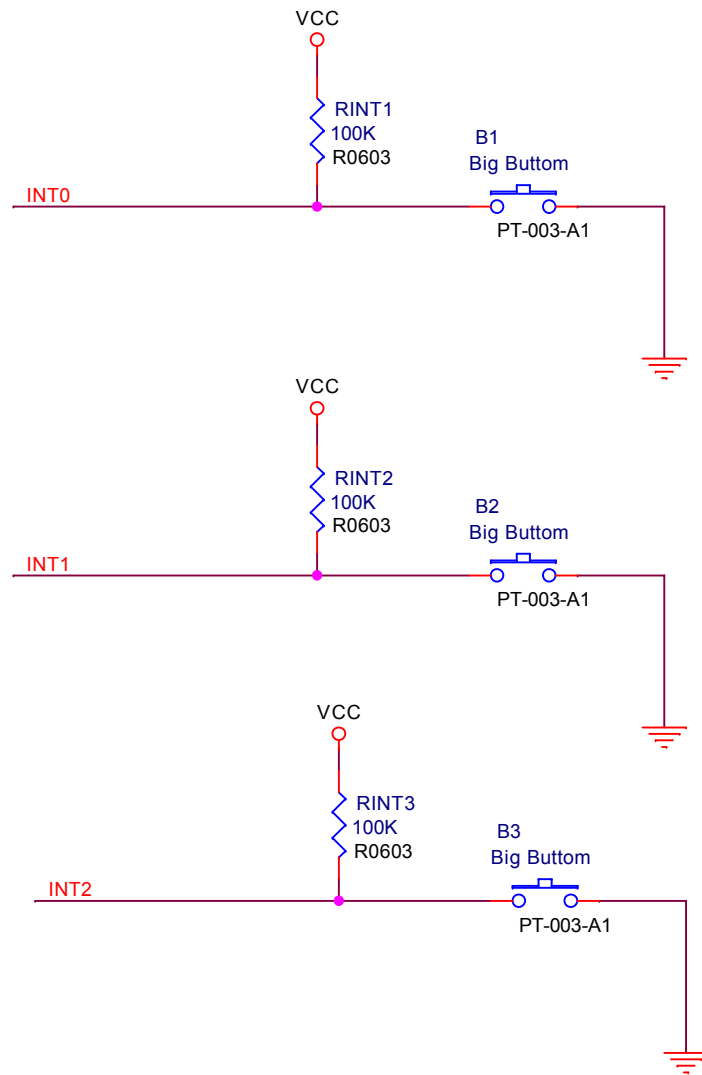


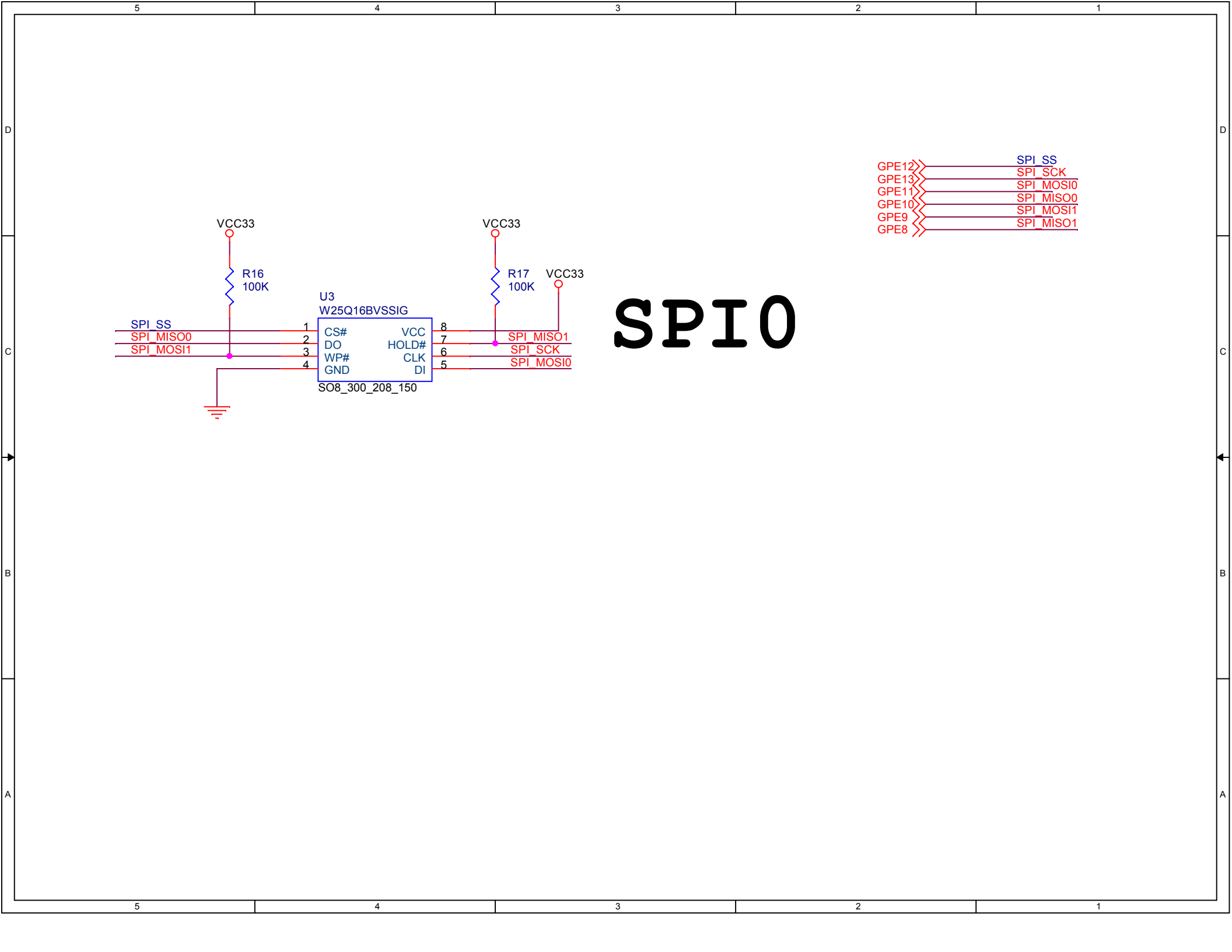


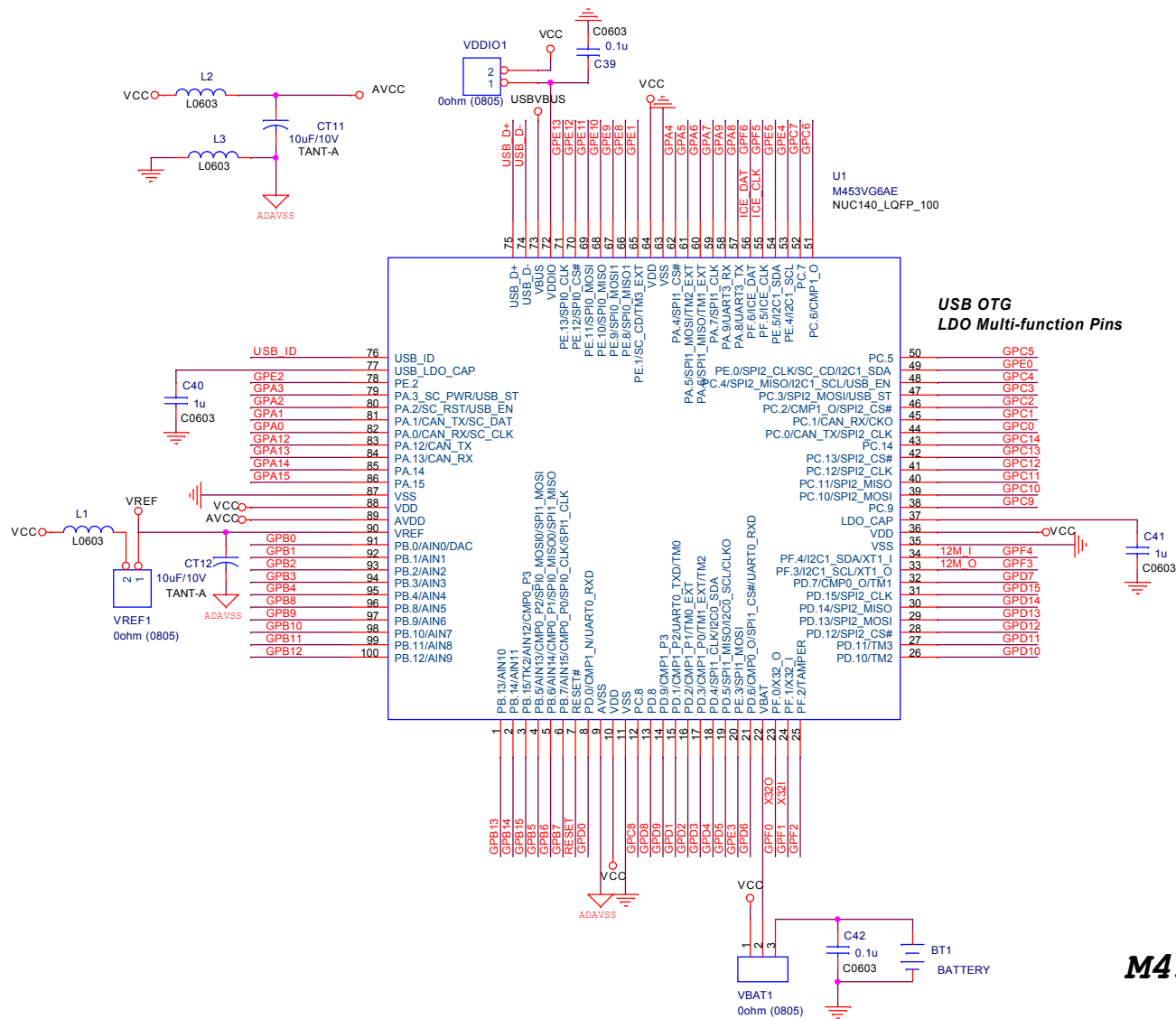


# CAN and 485

# INT

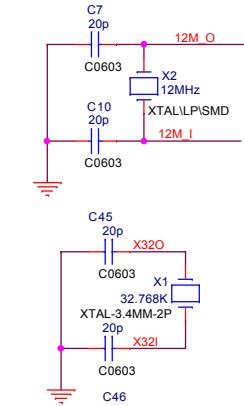




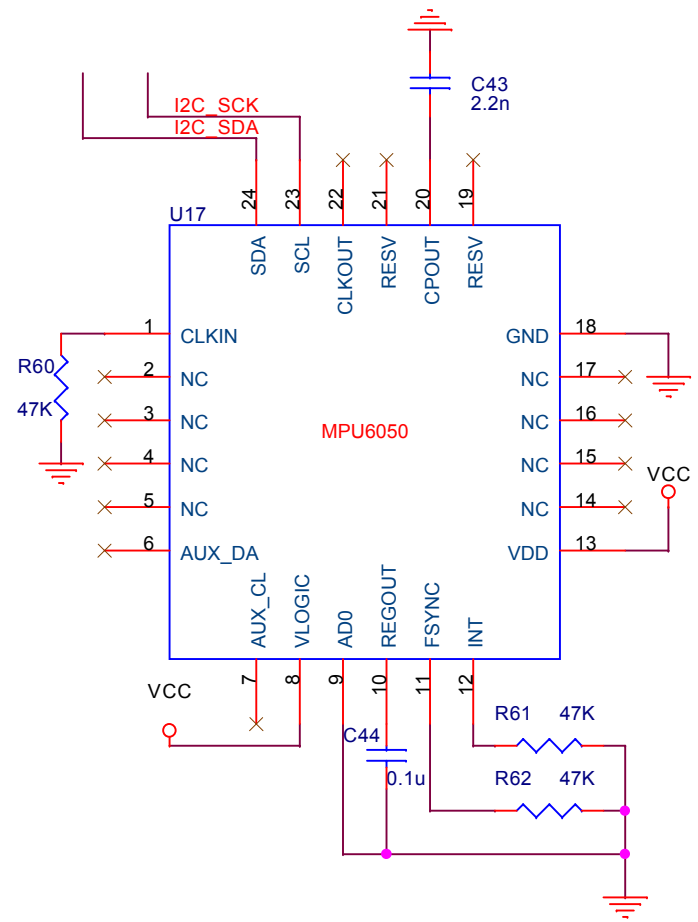


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 GPE[0:15] << GPE[0:15]  
 GPF[0:6] << GPF[0:6]

ICE\_CLK << ICE\_CLK  
 ICE\_DAT << ICE\_DAT  
 RESET << RESET  
 USB\_D+ << USB\_D+  
 USB\_D- << USB\_D-  
 USB\_ID << USB\_ID

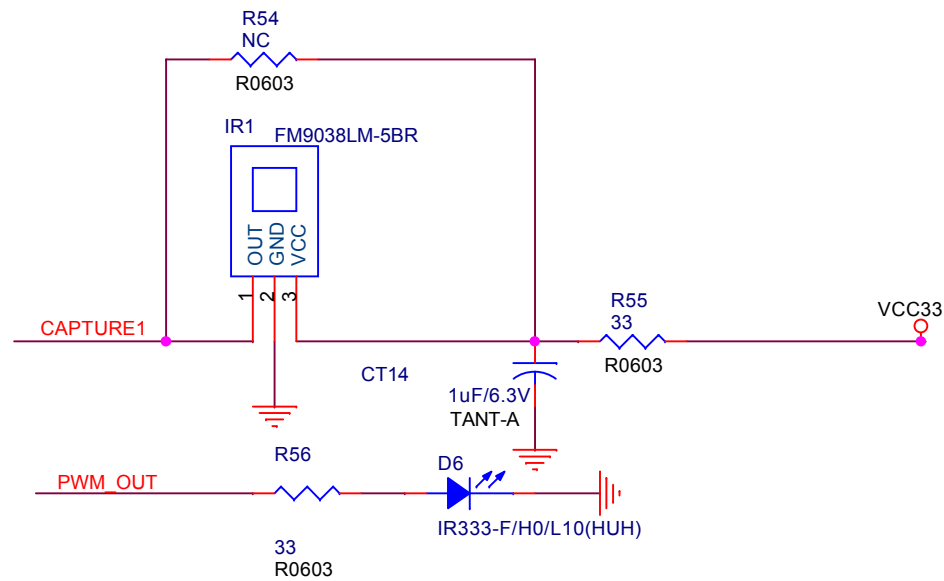


**M451 LQFP100**

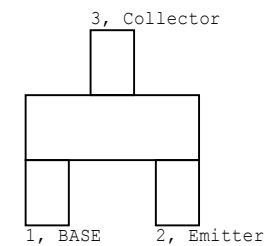


GPE0 >> I2C\_SDA  
GPC4 >> I2C\_SCK

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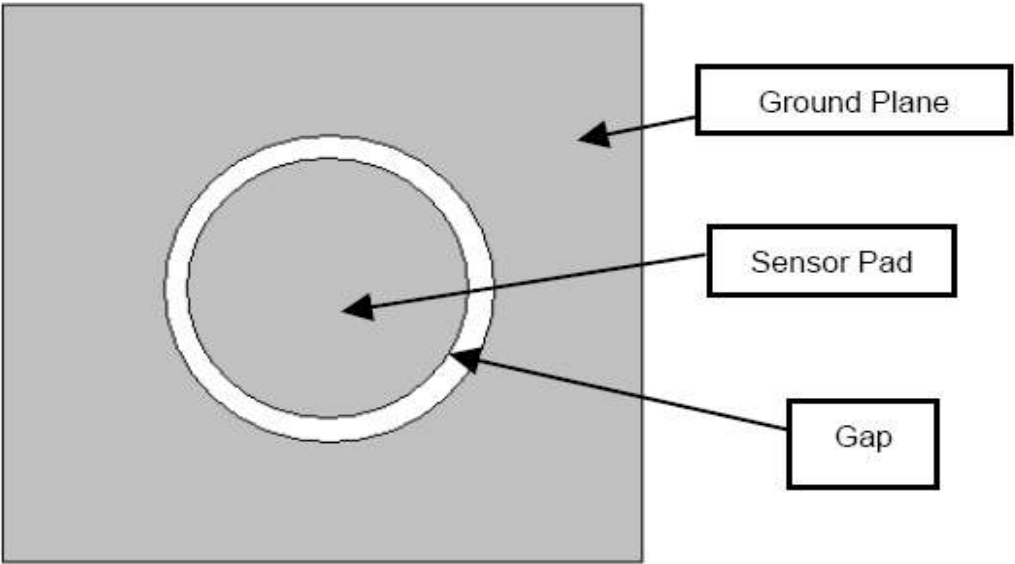
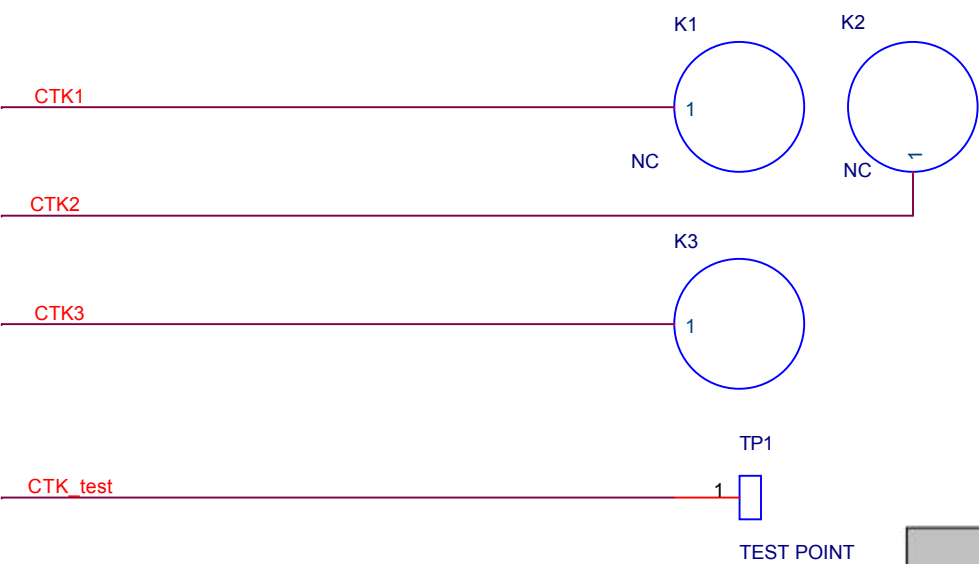


GPC12  
 GPC13  
 CAPTURE1  
 PWM\_OUT



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