

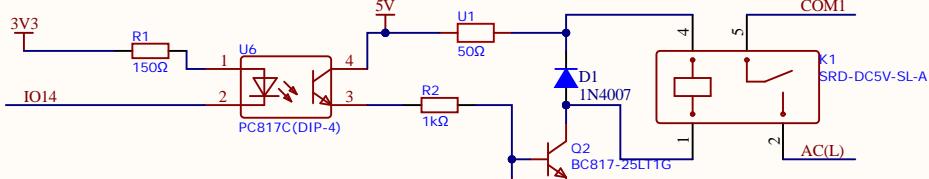
1

2

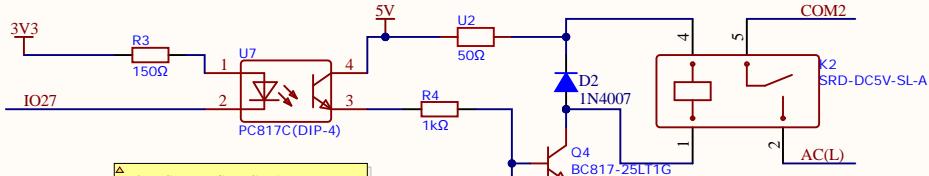
3

4

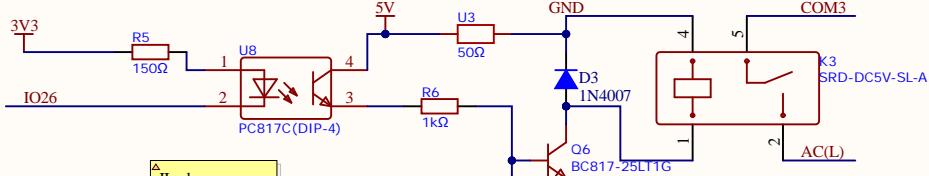
A



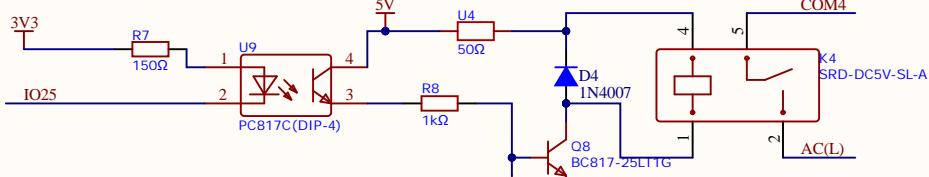
res 50 ohm: C849792  
res 1k ohm: C22548



relay: SRD-DC5V-SL-A  
 $R = (3-1.2)/0.02 = 150 \text{ ohm}$   
 $\text{PR}_1 = \sim 0.042\text{W}$   
 $\text{Poptor} = \sim 0.07\text{W}$   
 $I_{tong} = (I_{optor} + I_{led} + I_{relay}) * 4$

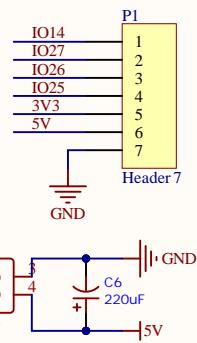
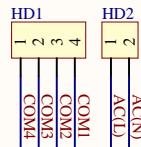


$I_{led\_max} = 20\text{mA}$ .  
 $I_{optor\_max} = 50\text{mA}$ .  
 $I_{relay\_max} = 80\text{mA}$ .



Dùng nguồn 1.5A cấp  
cho 4 relay và mạch  
touchpad.

fuse: C136380.  
biến trở 10D561K :  
C3263770.  
cap safe: C914482  
cuộn cảm: C75192



Title

Size  
A4

Number

Revision

Date: 8/22/2025

File: D:\Touchpad\Altium\Relay\Relay.SchDoc

Drawn By:

1

2

3

4

# Board Stack Report