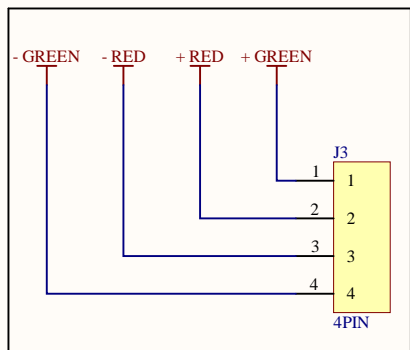
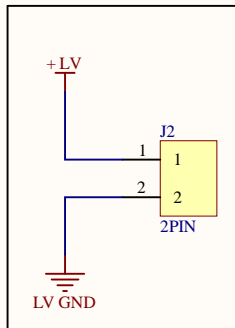
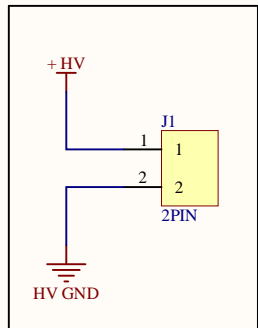


# Tractive System Active Light



<sup>A</sup> HV: Any voltage greater than 60 V DC (till 400 V DC in our car)

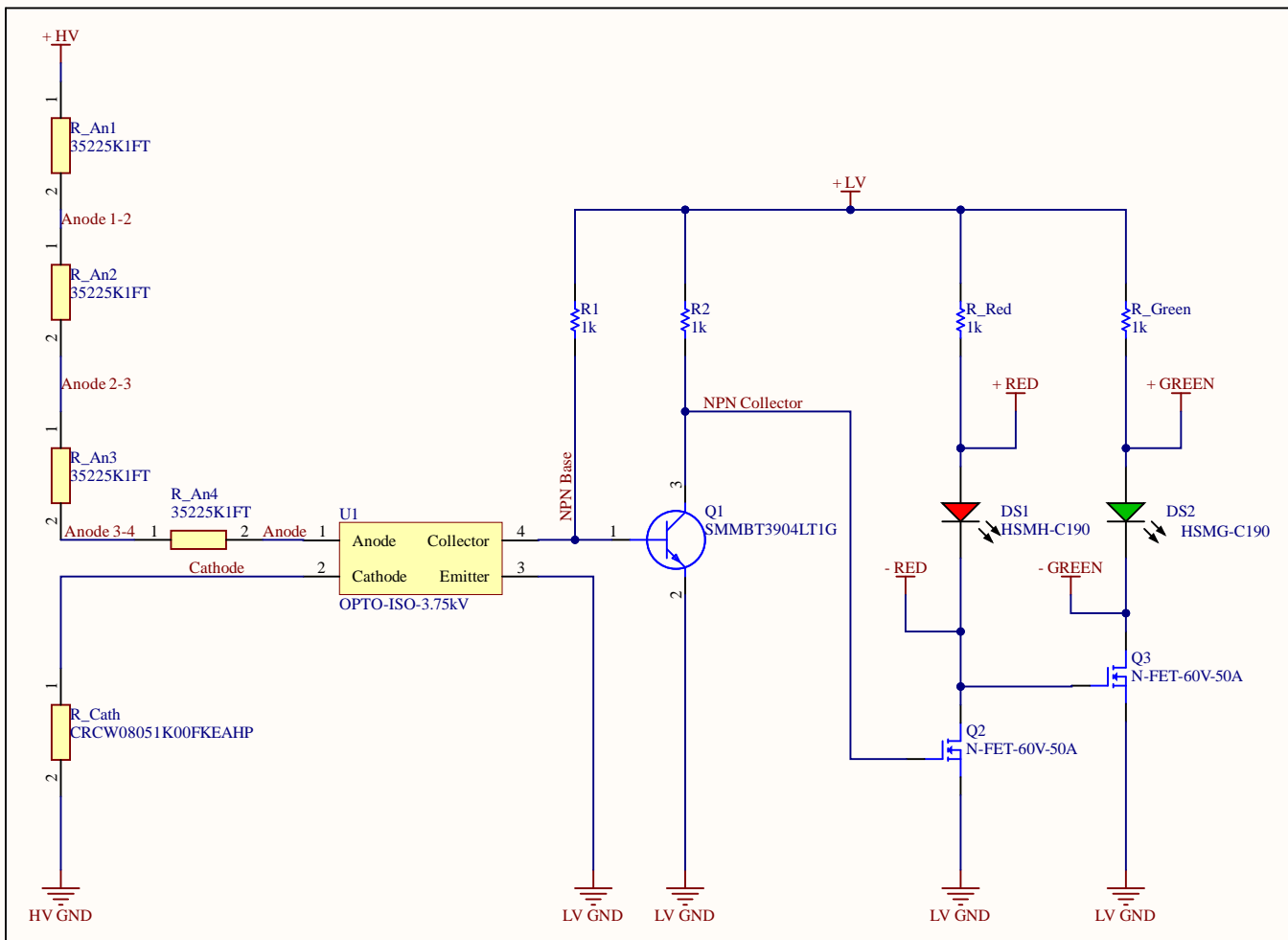
LV: Any voltage below and including 60 V DC

<sup>A</sup> R\_An = 4 x 5.1 kOhm  
R\_Cath = 1 kOhm  
R1 = R2 = 1 kOhm  
R\_LED = 1 kOhm  
+ HV = 0 - 400V DC  
+ LV = 12V DC

<sup>A</sup> + RED & + GREEN: +ve terminal to the external lights.

- RED & - GREEN: -ve terminal to the external lights.

The point of these ports mentioned above is to have external light parallel to their respective testing LEDs (DS1 & DS2).



Title		
Tractive System Active Light		
Size	Number	Revision
A4		1
Date:	5/23/2023	Sheet of
File:	TSAL.SchDoc	Drawn By: Ji J.