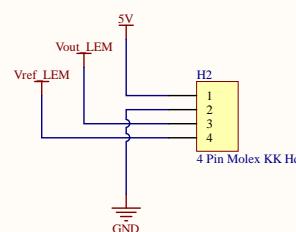
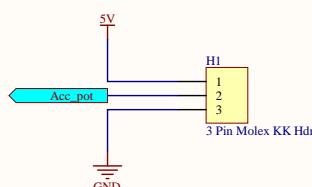
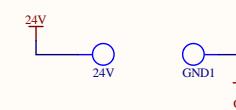
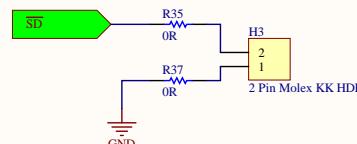
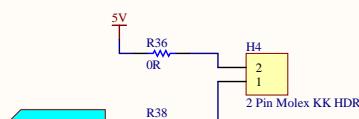
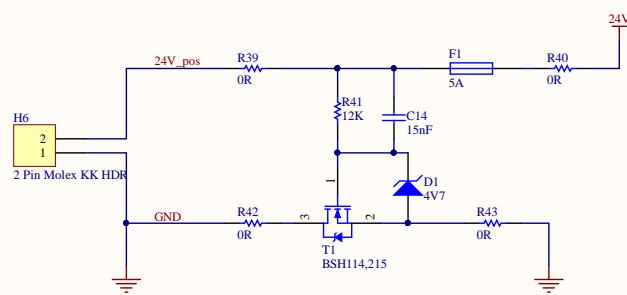
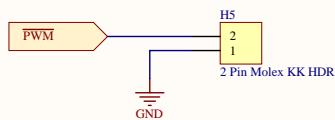


**LEM SENSOR HAIS150-P****ACCELERATOR HEADER****POWER****SIGNAL TEST POINTS****SHUT DOWN****BRAKE SWITCH****24V POWER CONNECTOR****PWM CONNECTOR**

1

2

3

4

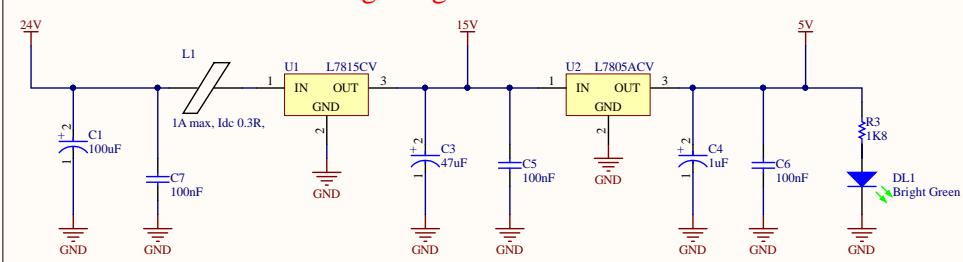
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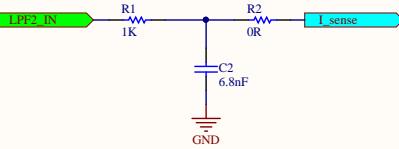
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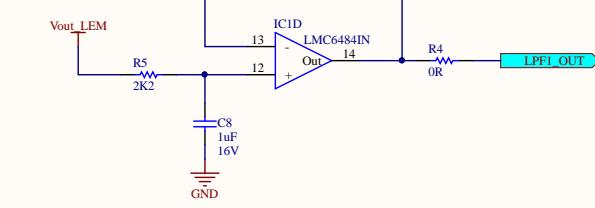
## Voltage Regulators



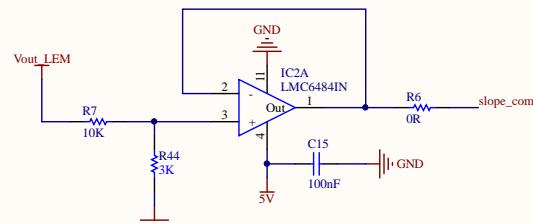
## Low Pass Filter



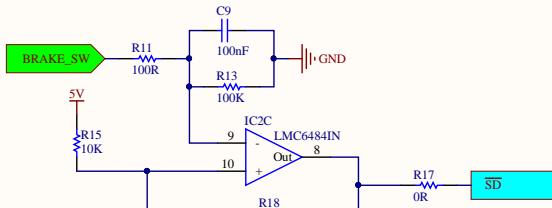
## Low Pass Filter



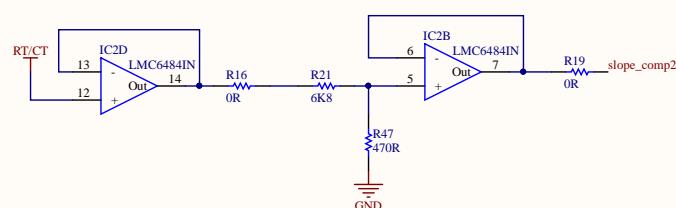
## Slope Compensation Buffer 1



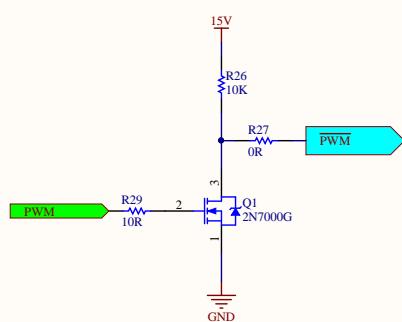
## Brake Debouncing Schmitt Trigger



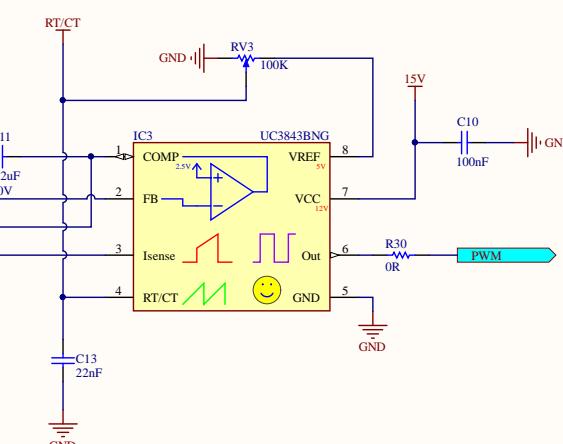
## Slope Compensation Buffer 2



## PWM Inverter



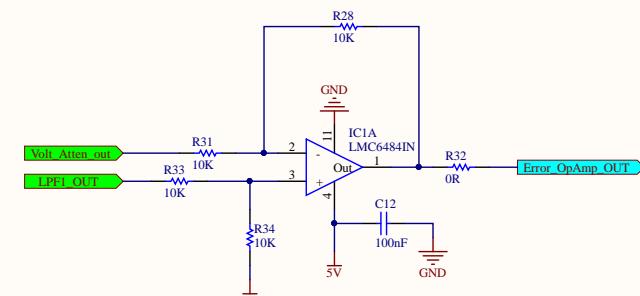
## CMC

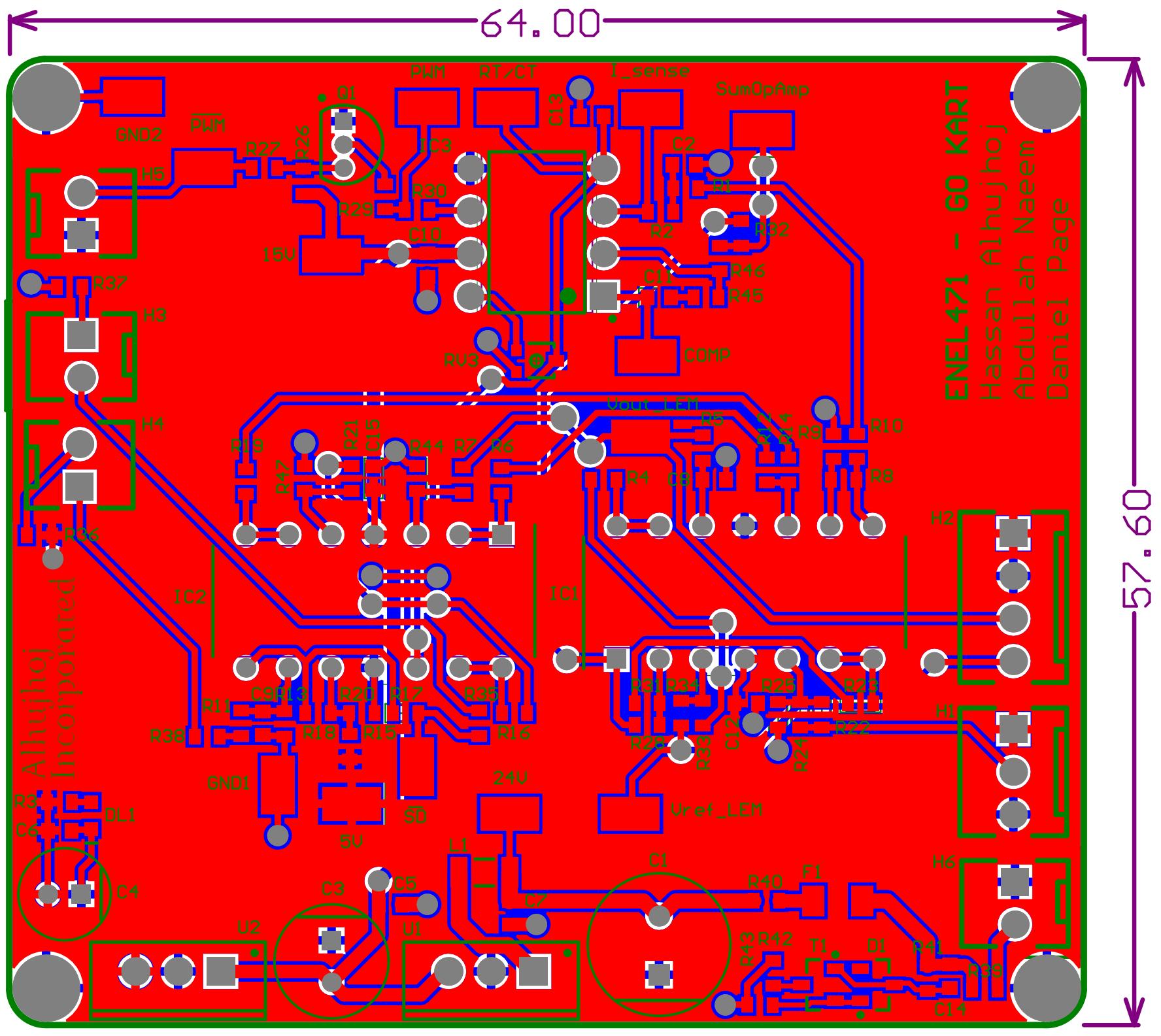


## PI Controller

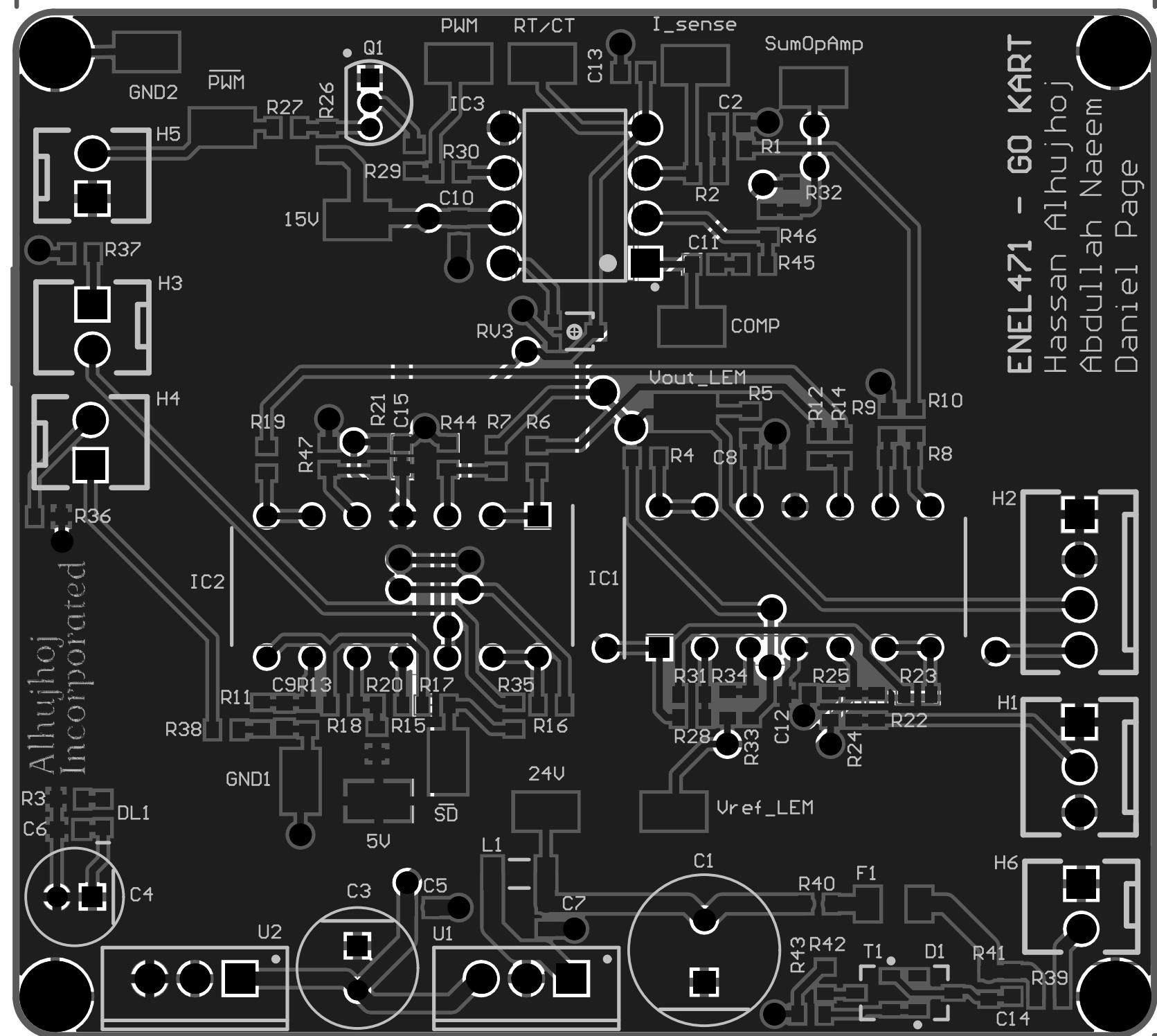
Title: ENEL471 - Go Kart Controller Circuit	*	ECE Department
Drawn by Hassan Alhujohi *	Revision:*	University of Canterbury
Date: 28/09/2020	Time: 10:31:26 pm	Christchurch 8041
File: C:\Users\Hassan\OneDrive - University of Canterbury\Desktop\Semester2_2020\ENEL471\Go Kart Assignment\GO CART_PCB		New Zealand

## Summing Differential Amplifier





64.00



57.60

