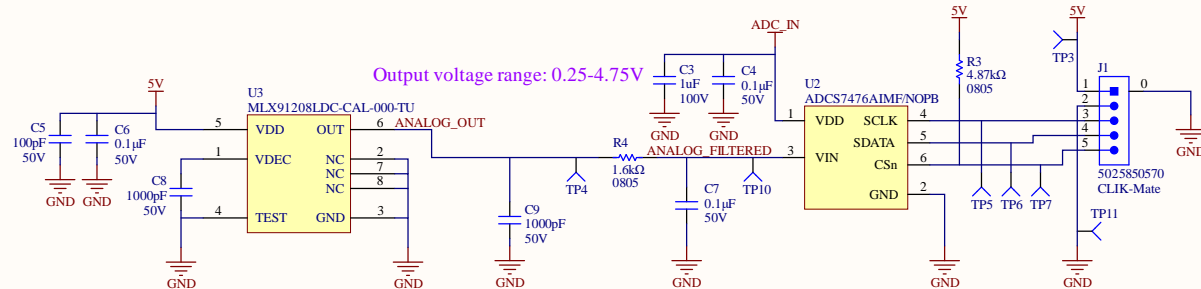


Voltage Reference:
 V_{adj} (initial output voltage): 1.1840V
 Target output voltage: 4.75V-4.85V

$$V_{out} = (1 + R1/R2)V_{adj}$$

$$V_{out} = (1 + 4.87k/1.6k)1.1840V$$

$$V_{out} = 4.788V$$



Output voltage range: 0.25-4.75V


Low-pass filter:
 ADC sample rate = 1 MSPS
 Target cut off frequency = 1 kHz

$$f_c = 1/(2 \pi R C)$$

$$f_c = 1/(2 \pi 1.6k 0.1u)$$

$$f_c = 994.7 \text{ Hz}$$



Title: Hall Effect Current Sensor		
Project: Current Sensor.PrjPCB		
Rev: 2	Reviewer: Lance Bantoto	
	Engineer: Farris Matar	
Date: 2021-04-07	Sheet: 1 of 1	