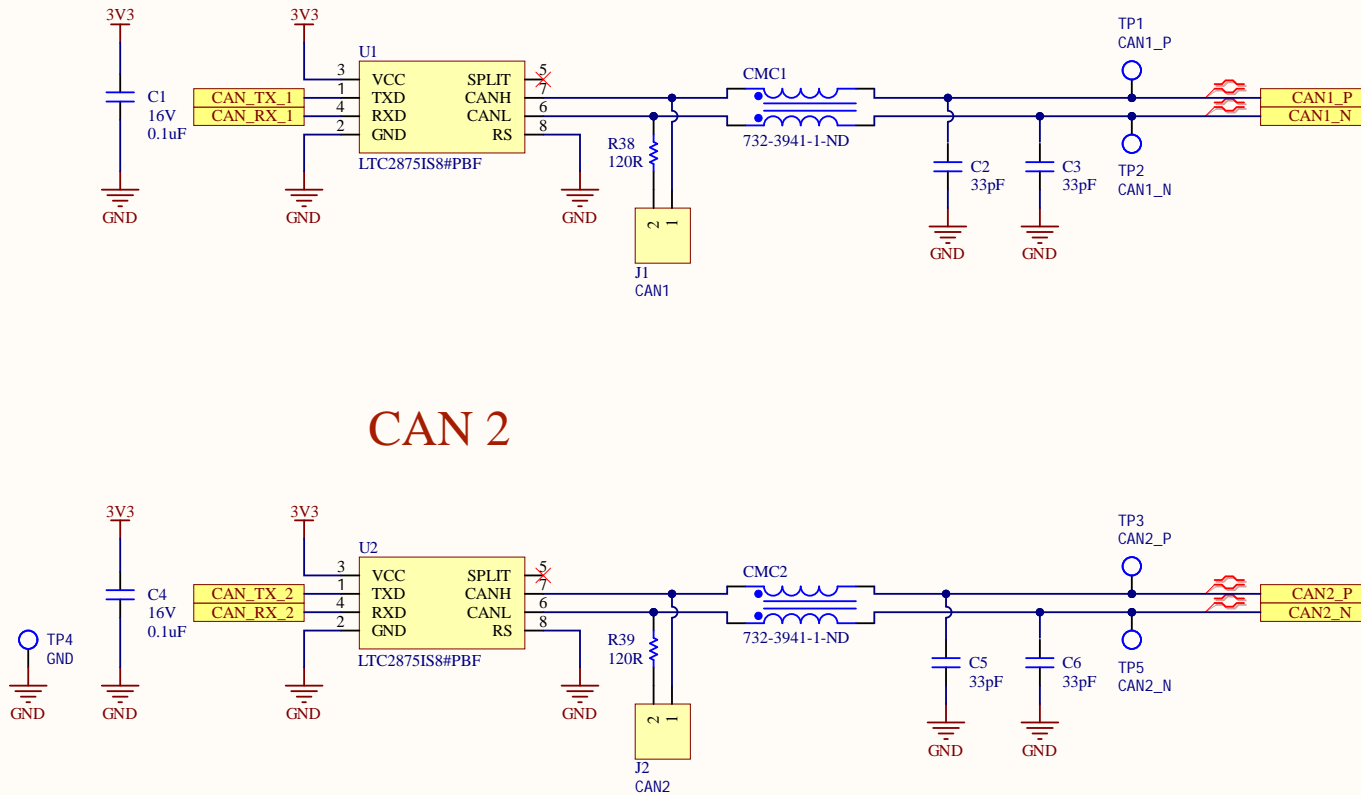




## CAN 2



Title CAN		
Size: <b>Letter</b>	Drawn By: Ayesha Ebrahim	
Date: <b>2020-05-03</b>	Sheet <b>1</b> of <b>1</b>	
File: C:\Users\ayesh\Documents\GitHub\MarsRover2020-PCB\Projects\BMS\Rev1\CAN_SchDoc		

	1	2	3	4
A				
B				
C				
D				
	1	2	3	4

Add XTAL Connector and  
 Battery Balancing Connector,  
 CAN Connections, Chip  
 Programmer connector

Title Connectors			<i>UW Robotics</i> <i>200 University Avenue</i> <i>Waterloo</i> <i>Ontario</i> <i>Canada N2L 3G6</i> 
Size: <b>Letter</b>	Drawn By: Ayesha Ebrahim		
Date: <b>2020-05-03</b>	Sheet of		
File: C:\Users\ayesh\Documents\GitHub\MarsRover2020-PCB\Projects\BMS\Rev1\Connectors.SchDoc			

## A



## C

D

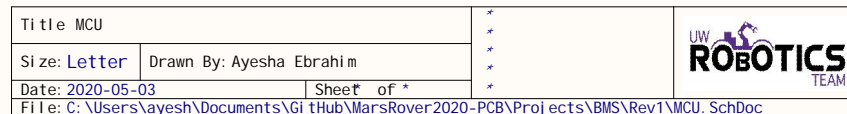
Test Button



## B

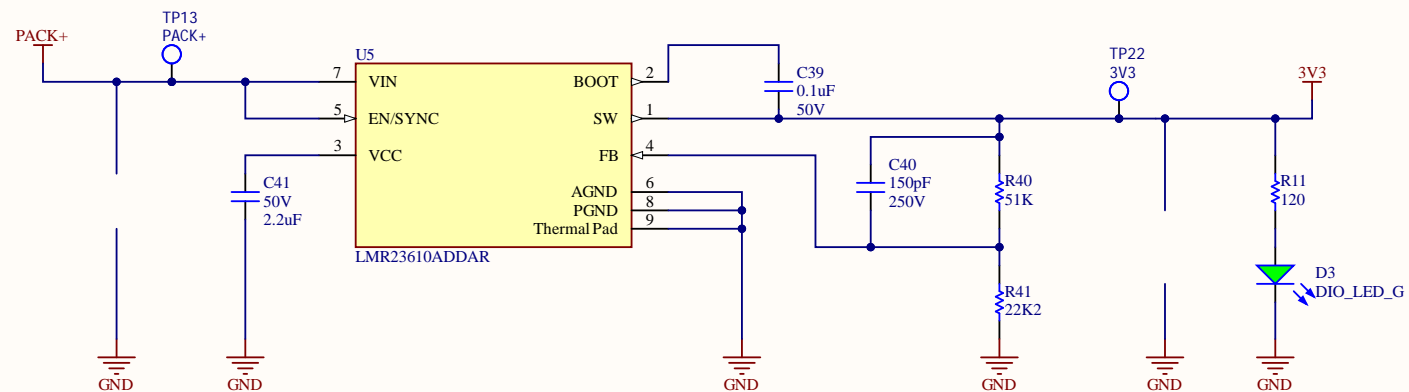


## D



## Pack Voltage to 3V3 Buck @ 1A Max

PACK+ is the battery voltage controlled by the battery manager  
 PACK+ max = 25.2V  
 PACK+ min = 18V (assuming no cells fall below 3V)



Add Caps and inductor

### Current Calculations

Green LED voltage drop: 2.2V  
 $I = (3.3 - 2.2V) / 120 = 10.83mA$

Title	Power	*
Size: Letter	Drawn By: Ayesha Ebrahim	*
Date: 2020-05-03	Sheet* of *	*
File: C:\Users\ayesh\Documents\GitHub\MarsRover2020-PCB\Projects\BMS\Rev1\Power.SchDoc		

