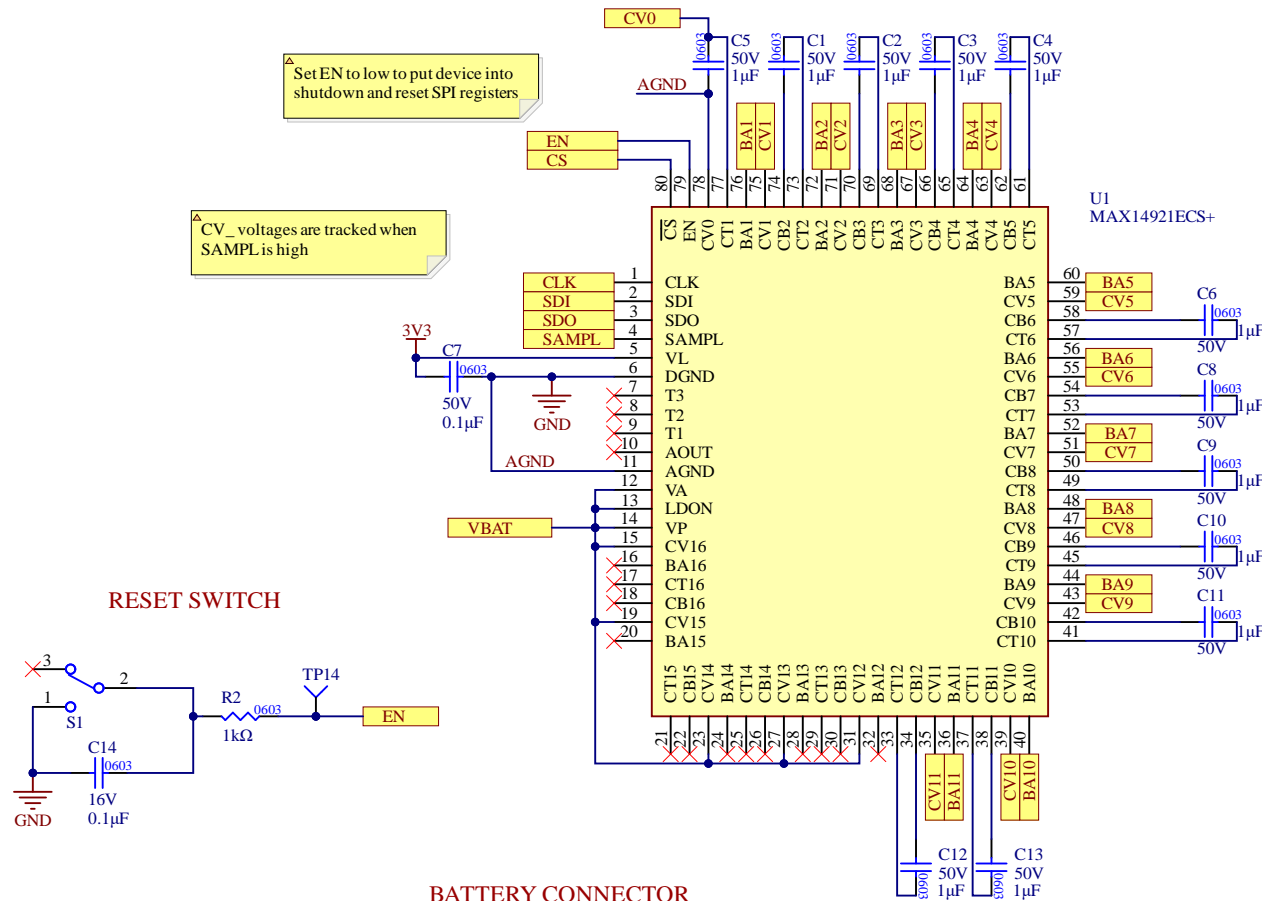
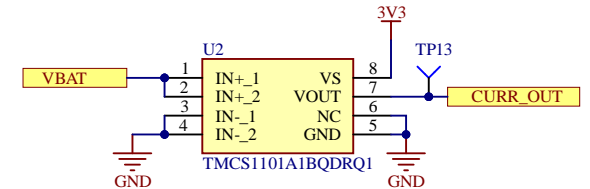


# BMS

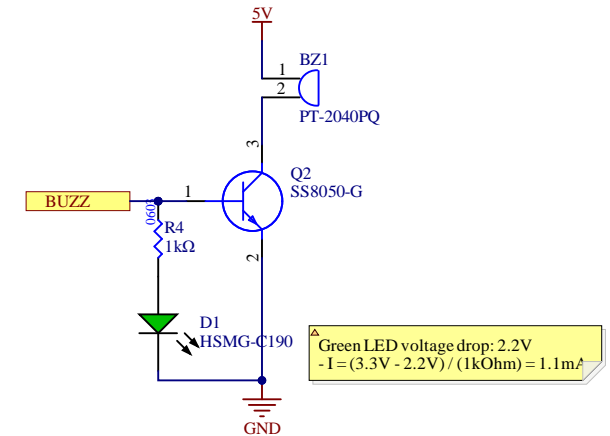
## BMS IC



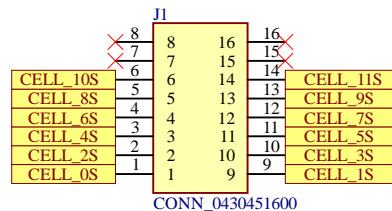
## CURRENT SENSOR



## BUZZER

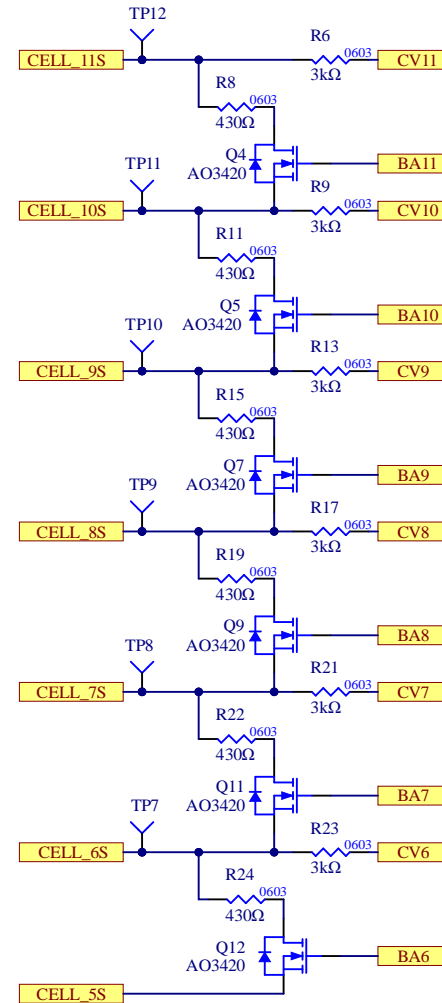
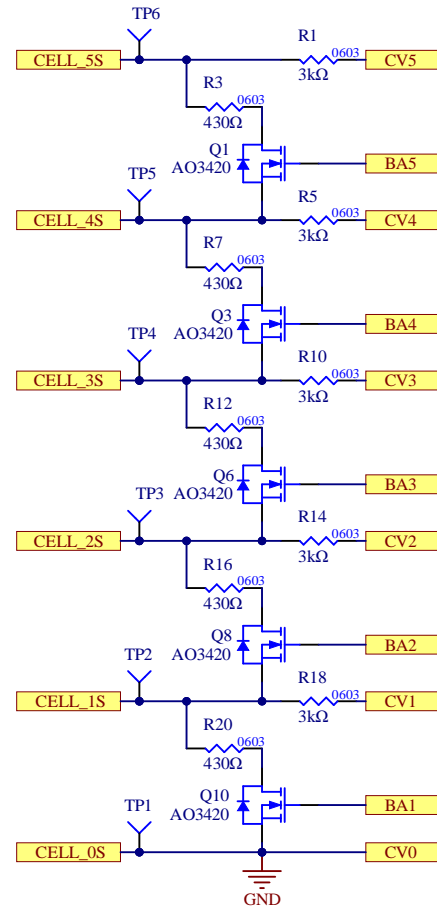


## BATTERY CONNECTOR



<b>UW</b> <b>ROBOTICS</b> TEAM		University of Waterloo Robotics Team 200 University Ave W Waterloo, Ontario, Canada N2L 3G1	REV 2
PROJECT Battery Management System.PrjPcb, [No Variations]			
DOCUMENT BMS.SchDoc		MODIFIED 12/22/2021	
ENGINEER Ari Wasch		REVIEWER *	
		SHEET 1 OF 2	

# Active Cell Balancing Circuit



$$R_{BAL} = V_{cell} / I$$

$$R_{BAL} = 4.2V (Max) / 10mA (Max) \approx 430\Omega$$



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PROJECT  
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DOCUMENT  
BatteryBalancing.SchDoc

ENGINEER  
Ari Wasch

REVIEWER  
\*

MODIFIED  
12/2/2021

SHEET 2 OF 2