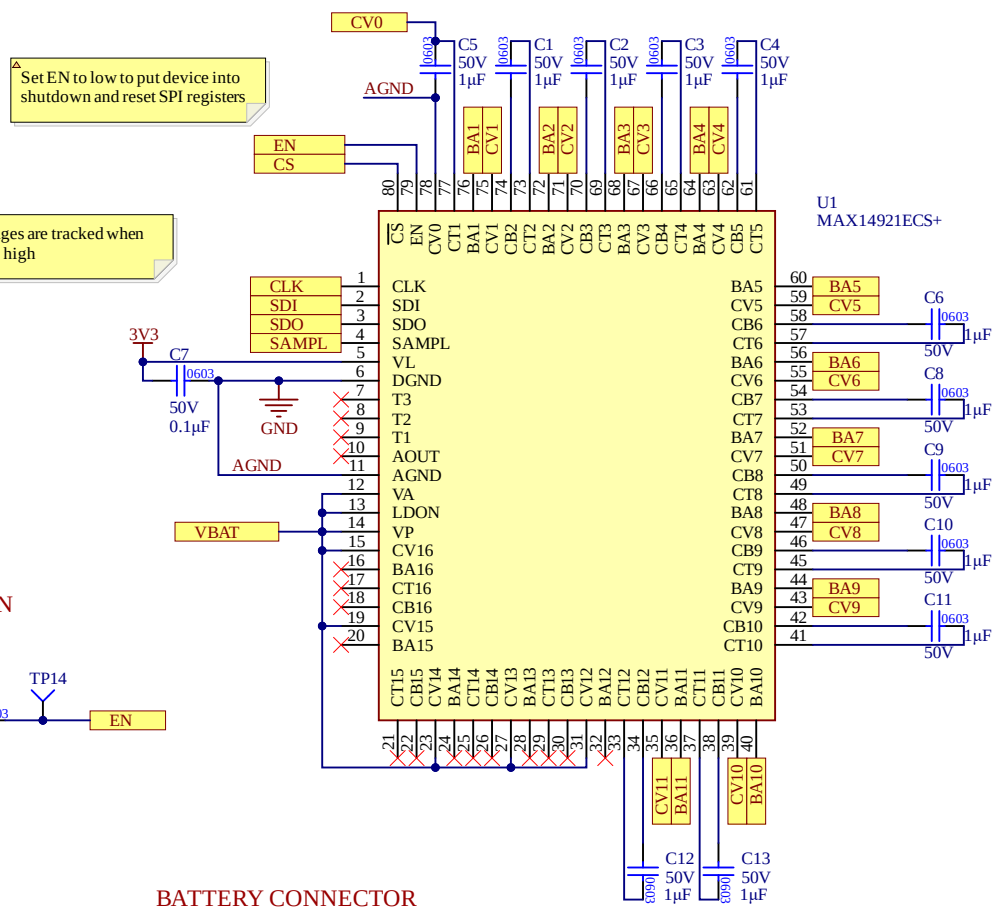
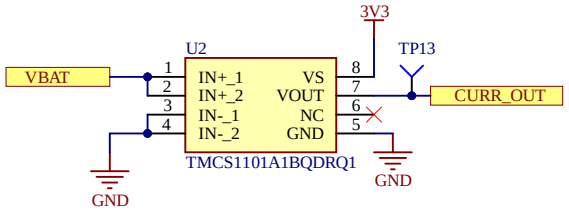
BMS

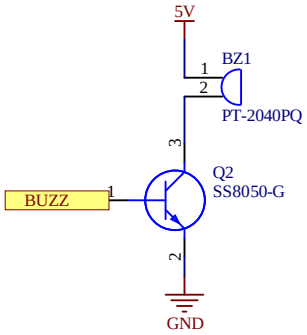
BMS IC



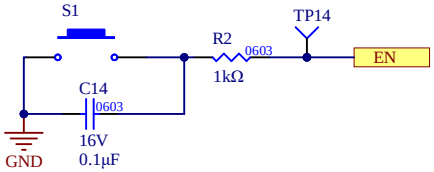
CURRENT SENSOR



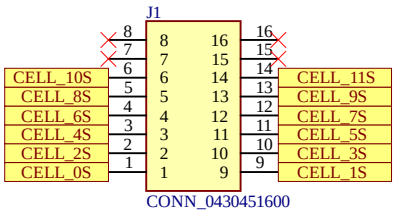
BUZZER



RESET BUTTON

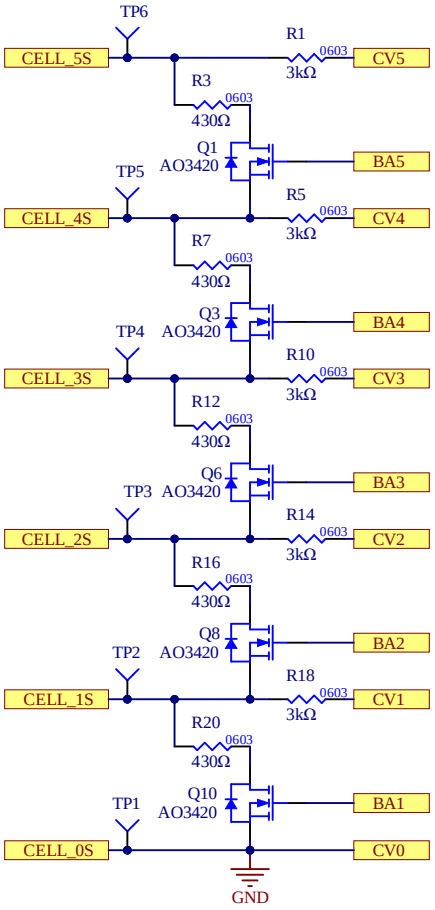


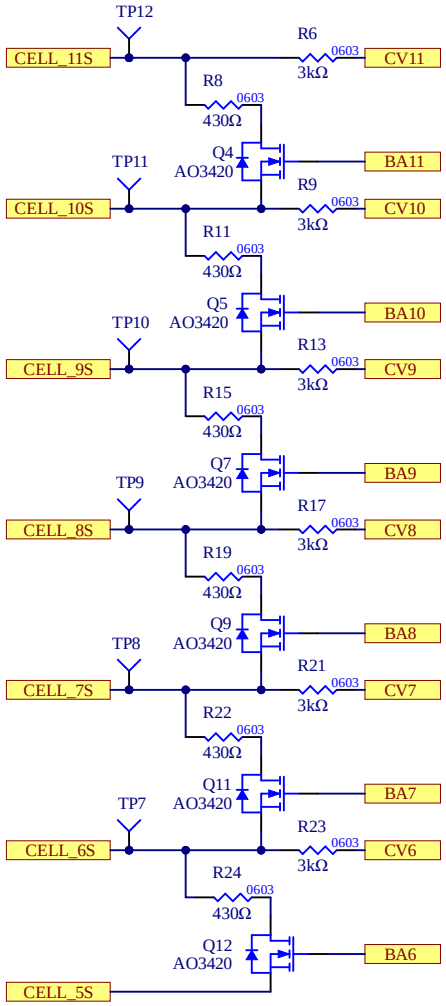
BATTERY CONNECTOR



UW ROBOTICS 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: 12/3/2021
ENGINEER: Ari Wasch	REVIEWER: *	SHEET 1 OF 2

Active Cell Balancing Circuit





RBAL = Vcell/I
RBAL = 4.2V (Max) / 10mA (Max) ≈ 430Ω

UW ROBOTICS 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 BatteryBalancing.SchDoc		MODIFIED 12/2/2021
ENGINEER Ari Wasch	REVIEWER *	SHEET 2 OF 2