Electrical power system battery module 4 cells Hardware:

- Designed by: Amanda Batista Medeiros
- Based on FloripaSat-I Battery Board
- Reviewers: André M. P. Mattos
- Support: Gabriel M. Marcelino and Yan C. Azeredo

Project github repository: https://github.com/spacelab-ufsc/battery-module-4c

Project info

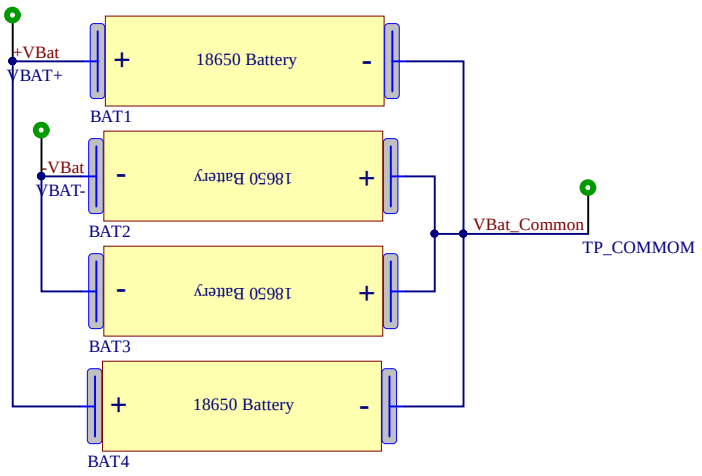
Rev	Description	Date	Author
0.1	- Initial release - Hardware improvements and fixes based on the first EPS batteries board - Charge capacity increase, from 2 batteries (series) to 4 baterries (series/parallel)	04-Oct-2020	Andre M. P. Mattos
0.2	- Updating battery contacts now using nickel strip pads - RTDs repositioning - New battery mechanical case mouting holes - Removing PC104 interface	16-Jun-2021	Yan C. Azeredo

Revision History

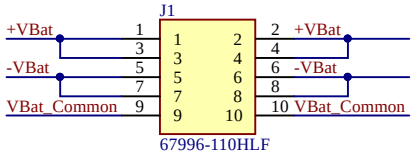
Block Diagram

SpaceLab - Federal University of Santa Catarina			
Project: *bat2_project.prjpcb / [No Variations]*			
Title: *Poject's info and block diagram*			
Designed by: *Amanda B. Medeiros*			Project Code: *BAT4C*
Date: 6/16/2021	Revision: *v0.2*	Sheet *1* of *2*	Size: A4

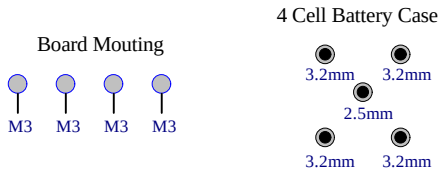
BATTERIES CONNECTIONS



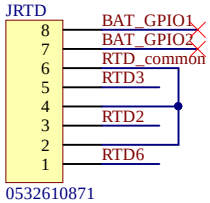
BATTERIES BOARD TO BOARD CONNECTOR TO EPS



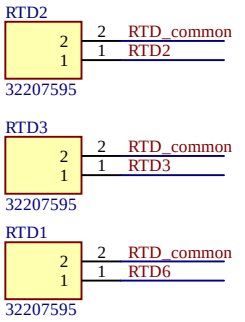
MECHANICAL HOLES



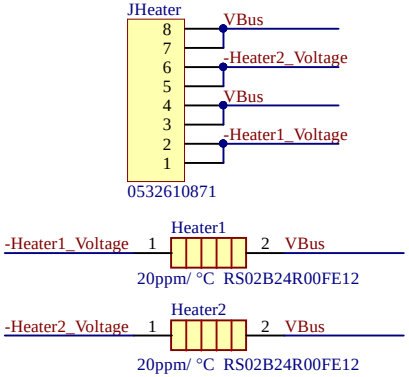
PICOBLADE INTERFACE



RTD SENSORS



HEATER CONNECTION



SpaceLab - Federal University of Santa Catarina			
Project: *bat2_project.prjpcb / [No Variations]*			
Title: *Batteries pads and connectors*			
Designed by: *Amanda B. Medeiros*			Project Code: *BAT4C*
Date: 6/16/2021	Revision: *v0.2*	Sheet *2* of *2*	Size: A4