

P18262 - EVT Battery Management System

Phase 4: Detailed Design Review - Tuesday, Dec. 5 2017 3:30 PM, GLE-4425

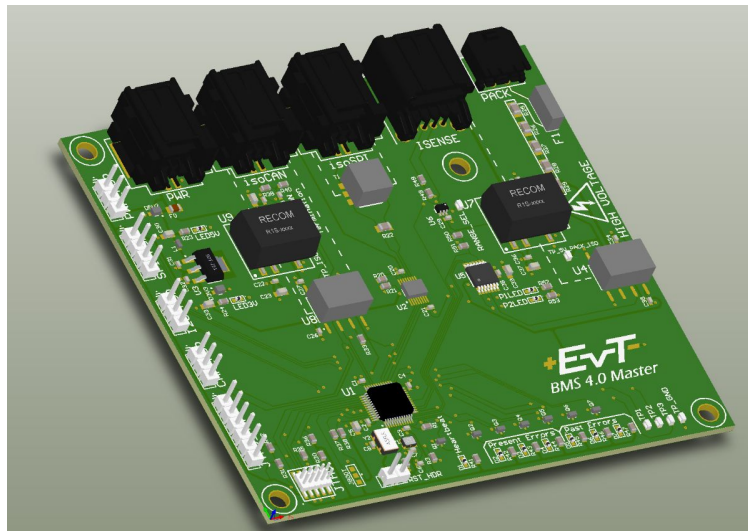
Members: Steve Titus, Greg Malanga, Ben Stewart, Murali Prasad, Will McCaffrey, Jacob Allison

Guide: Harold Paschal

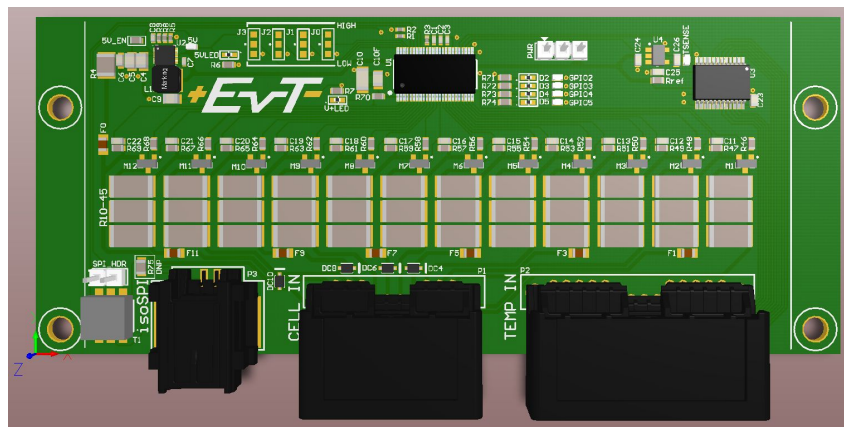
Project Summary: EVT is in the process of designing the second revision of an all electric race motorcycle known as REV2. This project is a battery management system (BMS) for REV2. Its primary goals are to balance the cells, monitor pack conditions and communicate them to the bike's main computer.

Primary Phase Goals:

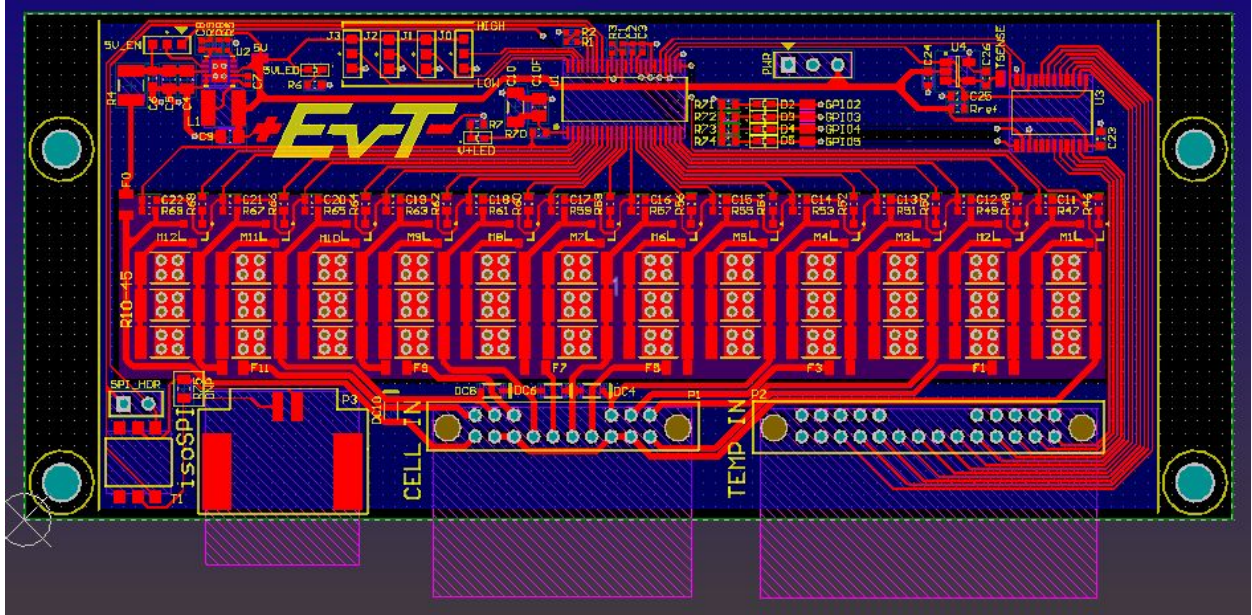
- Complete schematic capture and integration.
- Design all printed circuit boards (PCB's).
- Develop comprehensive test plans for hardware validation and test.
- Be ready to order all hardware before the end of MSD I. Develop plans for MSD II.



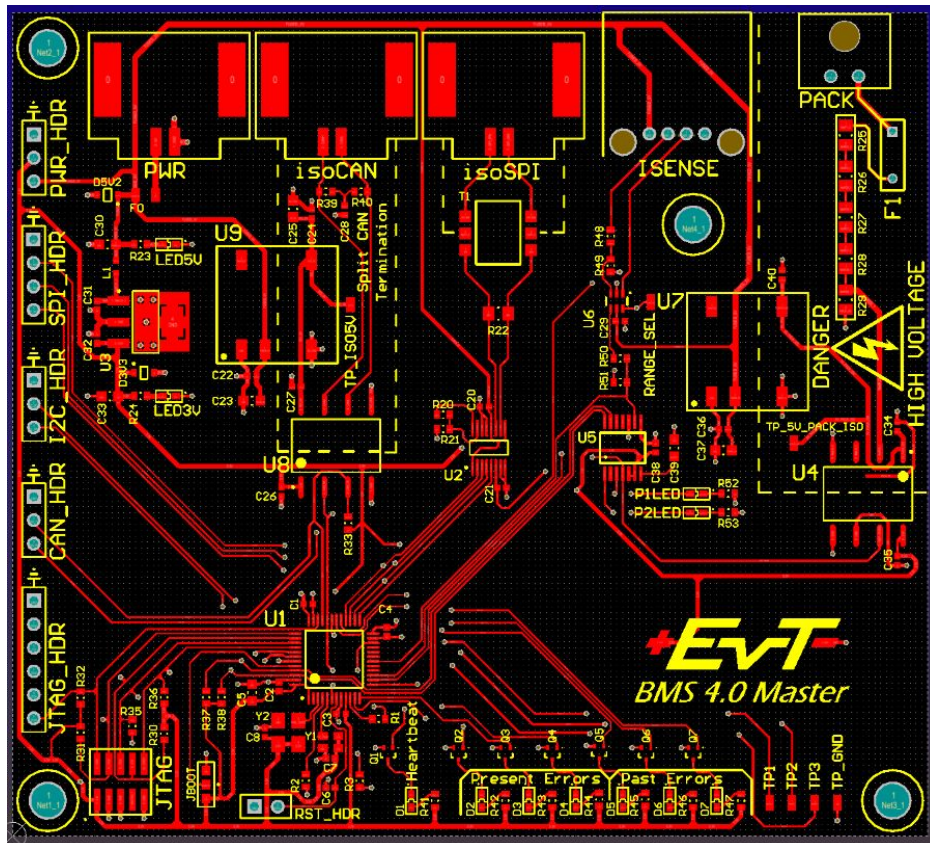
Master Board



Slave Board



Slave Board Layout



Master Board Layout