

Team: 18262_____ Engineer: Ben Stewart

Entering Phase: Detailed Design Review

What was did I plan for the system design review, and what did I get done?

Planned and Completed:

1. Verify Functionality of communication channels on chosen microcontroller (STM32F3)
 - This was the focus of my work during this phase, and I was able to run all tests planned for this phase.
2. Document necessary circuitry to operate microcontroller in Altium
 - This was a joint effort between myself and Steve Titus. My main focus was communications / programming connections.
3. Document bill of materials to purchase necessary components for design.
 - Completed by Steve Titus
4. Schedule work to be completed during the next phase
 - Met with Steve to plan work to be completed during the next phase, successfully creating a gantt chart for the next phase.

Planned and not Completed

- Nothing!

Not Planned but Completed

- Managed board sponsorships from Texas Instruments and Linear Technologies for testing.
- Document traceability of customer / engineering requirements for all functions up to this phase.
- Assisted Murali in running SoC preliminary test plan.
- Researched standards applicable to project.

What do I plan on doing to ensure that Team P18262 has a successful Phase (Detailed Design) review?

1. Finish the PCB layout for the battery management system master.
2. Verify that any changes made to the schematic / bill of materials during the PCB design process have been documented.
3. Identify any new risks associated with the design.
4. Plan the work to be done during the next phase.

You will answer these three questions when you submit at the end of Phase (Detailed Design Review).

1. Is the PCB finished and ready to be ordered?
2. Have the schematic / PCB layout been documented in a clear and concise format?
3. Does the test plan match the most recent version of the PCB and schematics?