

Detailed Design Review

November 9, 2012 at 2:00 – 3:00 PM

Attendance:

Team

- Ethan Flow
- Ryan Hare
- Bardia Ghajan
- Frankie Saravia

Guides:

- Leo Farnand
- Vince Burolla

Customer

- Dr. Mark Kempski
- Dr. Kathleen Lamkin-Kennard

Meeting Actions:

#	Action	Actioner	Actionee
1	Fix the typo in the DDR review section of the "Detailed Design" page on EDGE	Ethan	Team
2	Check to make sure that the 22AWG ferrules are included on the Bill of Material	Ryan	Team
3	Add clarification on H/W block diagram that specifies the difference between jumpers and switches	Frankie	Guide
4	Fix J4 label in H/W block diagram	Frankie	Guide
5	Fix J4 label in wiring schematic	Frankie	Guide
6	Find alternative enclosure with a hinged lid (Pelican Case)	Ethan	Guide
7	Investigate existence and availability of quad jumper (for filter selection on PCB)	Ryan	Guide
8	Move the ground layer of the PCB to the top layer (for safety)	Ryan	Guide
9	Move the I/O to the PCB and ISD1700 circuit to an I/O panel on the Harness Schematic	Bardia	Guide
10	Investigate the use of a combined audio amplifier (ie TLO84) instead of 4 individual LM381 ICs	Ryan	Guide
11	Add feature that allows for B/W or color image filtering to software	Bardia	Guide
12	Investigate the feasible range of the image filtering coefficient and whether it behaves linearly or logarithmically	Bardia	Guide
13	Add a box label around the premade filters on the PCB to clarify (for users) which filter is which	Ryan	Guide
14	Clearly label test points on PCB	Ryan	Guide
15	Change all test points on PCB to surface mount loop connections (or similar)	Frankie	Guide
16	Choose and add assembly screws to the Bill of Material	Ethan	Guide
17	Differentiate between lab interface and internal connection wires on the wiring schematic	Frankie	Guide
18	Look into a new breadboard that has clearly defined (ie color strips labels) rails	Ethan	Guide
19	Create a PCB assembly drawing	Ryan	Guide
20	Create a schematic for the I/O panel that includes hole sizes and locations	Ethan	Guide
21	Create a schematic for the H/W baseplate which specifies hole sizes and locations	Ethan	Guide
22	Investigate inclusion of an audio filtering via Matlab section of the lab activity	Bardia	Guide
23	Investigate changing the schedule calendar to include weekends in durations of tasks	Ethan	Guide

Review Status: **Pass with Actions**

Minutes prepared by Ethan Flow on November 11, 2012 at 8:00 PM