

Team Leader: Zach Stauder

Secretary: Shawn Steurer

I. Updates

- A. Digital Filter Debouncing
- B. Analog to Digital Converter
- C. FFT Analysis of Key
- D. Amplifier / Op-Amp Circuitry
- E. Preliminary Board Design

II. Clock Type

- A. RC vs. Crystal Oscillators

III. Buffer to DMA

IV. Programming Interface for Boards

- A. How to program to microcontroller
- B. Can we program straight from the computer?

V. Assignments for Week:

- A. **Headphone Amp** – Nick
- B. **Battery / Charging Circuit** – Group Effort
- C. **Volume Control** – Nick
- D. **Programming Interface for Boards** -
- E. **Key Sensing Algorithm** – Jake and Shawn
- F. **Order Parts / Samples** - Shawn
- G. **Chord Board** - Shawn
- H. **Piano Key Board** -Shawn
- I. **Microcontroller Board** – Zach (with Shawn)
- J. **Microphone Filter and Pre-Amp** - Nik