

Meeting Minutes

Leader: Kelsey

Note Taker: Elizabeth

1. Microcontroller and User Interface: Sarah and Kelsey

a. Price breakdown

- Determining if we need to buy resistors/capacitors- see website for list of common parts. Standard resistor 0805 (surface mount) kit is also stocked.

b. Action items completed

- Pin assignments and parts (with prices)
 - Comment: might be able to get free samples of microcontrollers- register for samples on the website
- UI design- LCD screen?
 - Already have LED indicator lights
 - LCD screen could be useful for debugging.

c. Questions/concerns about any setbacks

- How to use part not listed in library?
 - Look in other Eagle libraries
 - If part not found, look for other parts with the same footprint
- How to connect limit switches?
 - Look for case mount or panel mount parts
 - Also consider non-mechanical alternatives (i.e. phototransistor and LED set, 'photointerrupter'). Less bouncing, noise, etc.

d. This week's action items

- Order parts, write software
- Board design

2. Power and XY Plotter- Tim and Elizabeth

a. Price breakdown

b. Action items completed

- Frame design updates- parts selected
- Motion design updates- parts selected

c. Questions/concerns about any setbacks

d. This week's action items

- Power supply system
 - Wall plug- 5A.
 - a. Check if this is regulated (must make sure we don't exceed max for the smaller regulators)

