EE16A Lab 101
Monday 8–11
TA: Joy
LA: Ali, Andy, Chris
Semester Outline

- Imaging Module
- Touchscreen Module
- Locationing Module
Soldering

Like hot glue for circuits
PCB (Printed Circuit Board)
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Pad (Copper plate)
Soldering
Soldering

Component should be flesh to the board … why?
Soldering Tips

✘ Wet the sponge and clean the tip when you start.
✘ Use the clamp: components should be stable before you start soldering.
✘ Be careful, don’t burn yourself.
✘ Ask if you feel unsure of what you’re doing.
Function Generator

- Produces time-varying voltages
- AC version of power supply (which is DC)
LED: polarity matters
   ✔ Longer one is positive
You each should make one fader circuit
   ✔ For the soldering practice
   ✔ But you can help each other out / work together for the other parts of the lab
The lab says to show me things at each step...
   ✔ You should verify that it works before moving on, but then show me everything at the end
Questions + Checkoff

✗ Question Form:
✗ http://tinyurl.com/lab101-sp17-questions

✗ Responses:
✗ http://tinyurl.com/lab101-sp17-queue

Check off at
http://tinyurl.com/16a-lab-checkoff