

Lab 2

ECE 401

Oct. 2

Soldering

1. turn on soldering station
2. while iron heats up, set up helping hands
to hold pcb
3. Arrange components on table
4. make sure iron is plugged in
5. resistors (3 in middle)
6. Electrolytic capacitors (3)
7. snip long leads
8. 8-pin connector
9. LED
10. Disc capacitors (3)
11. Snip leads again
12. Diode
13. 12-pin connector
14. remaining resistors (2)
15. transistors (2)
16. snip leads
17. get new pcb and solder
18. ~~disc~~ capacitor
19. transistor (NPN)
20. LED

21. snip leads
22. 2.2M Ω resistor
23. tantalum capacitor
24. speaker
25. Diodes(2)
26. resistors(2)
27. snip leads
28. transistor (PNP)
29. Power lines
30. ~~cut~~ cut leads
31. test with battery
32. clean up