

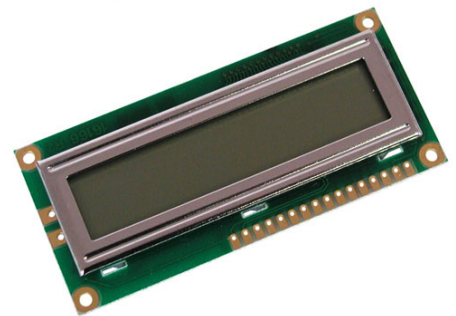
List of chips needed for long term checkout for EE345L Fall 2008
(about 35 groups)

- 1- Analog Devices AD623
- 1- 32-ohm speaker or similar
- 1- MC34119
- 1- 7405 7406 74LS05 or 74HC05
- 1- TLC2274 quad rail-to-rail op amp
- 4- 2N2222 or PN2222
- 1- IRF522 or IRF540 MOSFET
- 1- L293 or L293D stepper motor driver
- 4- 1N914 snubber diodes
- 1- 16-character LCD display
- 3- Bypass capacitors (any value 0.01 to 0.22uF)
- 3- Switches that plug into a protoboard, similar to



S.P.S.T. momentary, normally open. 0.48" square x 0.18" body. Plunger stands 0.3" above body. Four PC leads on 0.2" x 0.5" centers. CAT# MPB-127, <http://www.allelectronics.com>.

- 1- 30k or 50k thermistor (like we used to use in EE345M)
- 1- Stepper motor (6-wire, 5V, 37ohm, with worm gear)
CAT# EX-82, <http://www.allelectronics.com>.
- 1- 16-key keypad



List of chips student must get by ordering free samples

- Some rail-to-rail op amps, +5V power, DIP package
 - One 10, 12, 14 or 16-bit DAC, SPI interface, +5V power, DIP package
 - One +2.5V precision voltage reference, +5V power, DIP package
 - One rail-to-rail instrumentation amp, +5V power, DIP package (skip Fall 2008)
- See course descriptor for detailed part numbers and web sites*
<http://users.ece.utexas.edu/~valvano/EE345LF08.html>