

List of chips needed for long term checkout for EE445L Fall 2012

(80 students, about 40 groups)

- 1- 32-ohm speaker or similar
- 1- MC34119 audio amplifier
- 1- 7406
- 4- 2N2222 or PN2222
- 1- L293 or L293D stepper motor driver
- 4- 1N914 snubber diodes
- 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
- 1- Stepper motor (6-wire, 5V, 37ohm, with worm gear)
CAT# EX-82, <http://www.allelectronics.com>.
- 0.5- XBee transmitter kit (half of the groups need transmitter kit)
- 0.5- XBee receiver kit (half of the groups need the receiver kit)



Stuff ordered directly from vendor and passed out in class

Texas Instruments

- quantity 50, INA122P rail-to-rail instrumentation amp
- quantity 50, OPA2350PA rail-to-rail dual op amp
- quantity 50, LM4041CILPR adjustable shunt reference
- quantity 50, TLV5618AIP dual 12-bit DAC (or TLV5618ACP or TLV5618ACPE4 or TLV5618AIPE4)
- quantity 50, LM3S811-IQN50-C2

<http://www.maxim-ic.com/> Maxim IC

- quantity 50) MAX5353ACPA+ single 3.3V, 12-bit SPI interface DAC (ACPA or BCPA)

<http://www.samtec.com/> SamTec connectors

- quantity 10) BCS-120-L-S-TE (need 1 for the \$10 graphics LCD from BG Micro)
- quantity 10) BCS-114-L-S-TE (need 1 for LCD from checkout)
- quantity 10) TSW-133-09-F-S-RE, TSW-133-08-F-S-RA, (used for EKK-LM3S1968)

