ECE 6050 Advanced Microprocessor Interfacing  
Spring 2012  
Parts List for Projects

- Nexys 2 Board (Spartan-3E FPGA, 3.3V I/O) 1 pc  Digilent  
  (digilentinc.com)
- FX2MIB Interface Board for the Nexys 2 Board 1 pc  Digilent  
- 8-position DIP Switch 3 pcs  Digi-key
- 10-position Bar-LED Unit 3 pcs  Digi-key
- LVL ICs (Vcc = 3.3V, reference: Low Voltage Logic Data Book by Philips, or TI)  
  - SN74AC540 (or compatible part) 3 pcs  Digi-key
  - SN74AC541E (or compatible part) 3 pcs  Digi-key
  - SN74AC645PC (or compatible part) 2 pc  Digi-key
  - 74AC00PC (or compatible part) 3 pcs  Digi-key
- 330 ohm 1/8 Watt resistor network (one for each Bar-LED bit, in 8-resistor DIP package) 4 pcs  ElExp
- 10Kohm 1/8 Watt resistor network (for Logic-High Level, in 8-resistor DIP package) 4 pcs  ElExp
- 100 nF ceramic capacitor (for power bypass) 5 pcs  ElExp
- Wire jumper kit 1 pc  ElExp
- three-prong submin switch (SPDT E-switch) 5 pcs  ElExp
- anti-static wrist strap 1 pc  ElExp
- extraction tool DIP 1 pc  ElExp
- 4”x6” anti-static bag 1 pc  Jameco