

ECE 6050 Advanced Microprocessor Interfacing
Spring 2012
Parts List for Projects

- Nexys 2 Board (Spartan-3E FPGA, 3.3V I/O) (digilentinc.com)	1 pc	Digilent
- 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