

**ECE 5570 DIGITAL DESIGN**  
**Fall 2010**  
**Parts List for Projects**

- Nexys 2 Board (Spartan3E FPGA, 3.3V I/O) (digilentinc.com)	1 pc
- FX2 MIB Board (digilentinc.com)	1 pc
- 8-position DIP Switch	3 pcs
- 10-position Bar-LED Unit	3 pcs
- LVL ICs ( $V_{cc} = 3.3V$ , reference: Low Voltage Logic Data Book by Philips, or TI)	
- SN74AC540 (or compatible part)	3 pcs
- SN74AC541E (or compatible part)	3 pcs
- SN74AC245PC (or compatible part)	2 pcs
- SN74AC00PC (or compatible part)	3 pcs
- SN74AC74PC (or compatible part)	2 pcs
- 330 ohm 1/8 Watt resistor network (one for each Bar-LED bit, in 8-resistor DIP package)	4 pcs
- 10Kohm 1/8 Watt resistor network (for Logic-High Level, in 8-resistor DIP package)	4 pcs
- 100 nF ceramic capacitor (for power bypass)	5 pcs
- Wire jumper kit	1 pc
- three-prong submin switch (SPDT E-switch)	5 pcs
- anti-static wrist strap	1 pc
- extraction tool DIP	1 pc
- 4"x6" anti-static bag	1 pc