## Parts List for Projects

- **Nexys 2 Board** (Spartan3E FPGA, 3.3V I/O) 1 pc ([digilentinc.com](https://digilentinc.com))
- **FX2 MIB Board** ([digilentinc.com](https://digilentinc.com)) 1 pc
- **8-position DIP Switch** 3 pcs
- **10-position Bar-LED Unit** 3 pcs
- **LVL ICs** (Vcc = 3.3V, reference: Low Voltage Logic Data Book by Philips, or TI) 3 pcs
  - SN74AC540 (or compatible part)
  - SN74AC541E (or compatible part)
  - SN74AC245PC (or compatible part)
  - SN74AC00PC (or compatible part)
  - SN74AC74PC (or compatible part)
- **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" x 6" anti-static bag** 1 pc