EEL 5722C - FPGA Design
fall 2013
University of Central Florida

Lab Assignment #3

Input from a PS/2 Keyboard

Objective: Attach the keyboard to the FPGA board. When a numeral key (above the QWERTY row only – not the NumPad) is pressed, display the pressed key's number on the LEDs (Use Binary-Coded Decimal (BCD) for display). When the other keys are pressed, turn all LEDs on. Write a Verilog/VHDL program to obtain the input (scan code) from the keyboard, and display the pressed number by using the LEDs.