Notes
1. The following assignments will be performed using Altera’s MaxPlusII software. This software is available in the Physics Department computer lab.
2. This week’s assignment is to design a driver for a VGA monitor. You can use the VGA software described in class. Or, you can use the built-in vga macrofunction in Altera.

Procedure
1. Design a circuit using the VGA driver that writes your name on the screen. You will need to use the EPF10K20RC240-4 chip (under the FLEX10K family of devices in MaxPlusII). The following pins have to be connected:
   - RED – 236
   - GREEN – 237
   - BLUE – 238
   - HORIZ_SYNC – 240
   - VERT_SYNC – 239

2. As further improvements, try the following:
   - Change the color of your name when a button is pushed.
   - Have your name “bounce” around on the screen like a screensaver.
   - Have your name change size, when a button is pushed.