**Report of the g30\_keyboard\_encoder Circuit**

1. **Circuit Description**

* *A description of the circuit's function, listing the inputs and outputs.*
* *Provide a pinout or symbol diagram.*
* *The VHDL description of the circuit*

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1. **Testing**

* *Test bench (don’t embed these in the text of the report, instead include them as a separate file in the assignment submission zip file).*
* *A complete discussion of how the circuit was tested (including the testing on the DE1 board using the LED display), showing representative simulation plots, and detailing what test cases were used.*

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* *It is recommended that a scan or photograph of the signed gradesheet beattached to the report document.*