Custom Computing: Assessed Coursework

Ioannis Kassinopoulos

February 21, 2013

Question 1

Recurring engineering costs are the costs that will occur in a repeating fashion during the production, usually involving fabriction. These costs are usually descriped in a per unit form.

Non-recurring engineering cost is the one-time cost for research, design, testing and development of a new product.

As we can see below, the minimum number of units that need to be sold for the ASIC implementation to be cost-effective is 1 million units.

$C_{FPGA} > C_{ASIC} \Rightarrow £2 \times N_{units} > £10^6 + £1 \times N_{units} \Rightarrow N_{units} > 10^6$

Question 2

Question 3

Question 4