

A High-radix Online Arithmetic Verification System

Final Year Project 1800478: Safety Assessment

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January 28, 2019

Electrical safety

There is no high voltage present on the development board.

Physical safety

There are no large or fast-moving objects involved.

Chemical safety

There is no poisonous or irritant or allergenic material.

Fire safety

It is possible that the SoC can get overheated.

This should not result in a fire as the SoC is actively cooled and the system is temperature aware.

Biological safety

There are no biological hazards.

Animal safety

There are no animals involved.

Appliance safety

The board is certified by the department.

The development tools can detect certain potentially damaging configurations and estimate power consumption.

I will also care to avoid such designs¹ when constructing the project.

Airspace safety

There is no use of airspace.

Study Participant safety

There are no additional participants.

Data Infrastructure safety

It is useful to be able to access the development board remotely.

I will ensure to be doing so in a safe environment while using secure methods of connection.

¹A. Agne et al, “Seven recipes for setting your FPGA on fire – A cookbook on heat generators”.