Disclaimers
Lattice makes no warranty, representation, or guarantee regarding the accuracy of information contained in this document or the suitability of its products for any particular purpose. All information herein is provided AS IS and with all faults, and all risk associated with such information is entirely with Buyer. Buyer shall not rely on any data and performance specifications or parameters provided herein. Products sold by Lattice have been subject to limited testing and it is the Buyer’s responsibility to independently determine the suitability of any products and to test and verify the same. No Lattice products should be used in conjunction with mission- or safety-critical or any other application in which the failure of Lattice’s product could create a situation where personal injury, death, severe property or environmental damage may occur. The information provided in this document is proprietary to Lattice Semiconductor, and Lattice reserves the right to make any changes to the information in this document or to any products at any time without notice.
To implement Sentry PFR, install Lattice Diamond and Lattice Propel as described below.

http://www.latticesemi.com/diamond
1. Install Lattice Diamond 3.11
2. Install Lattice Diamond Service Pack 3
3. Install Diamond 3.11 64-bit Encryption Pack

http://www.latticesemi.com/propel
1. Install Lattice Propel 1.0
2. Install NGO Encryption Pack

http://www.latticesemi.com/sentry
1. Install Sentry RISC-V Solution for Propel (Propel 1.0 Patch for Lattice Sentry)

This installation allows you to build an evaluation-only Lattice Sentry PFR-based FPGA bitstream. To build a manufacturable Sentry PFR bitstream, contact your Lattice sales representative to purchase the Lattice Sentry PFR IP Package for MachXO3D.

It is also necessary to purchase a Diamond license to enable the MachXO3D Embedded Security Block (ESB). The ESB contains the security features, such as AES Encryption, ECC-256, and SHA-256. The Diamond license is required for the Sentry PFR or any application of MachXO3D which uses the Embedded Security Block.