



**PulseRain**  
TECHNOLOGY

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# PulseRain M10 Designs

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Apr, 2017



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**Licensee** understands that the **PulseRain M10 Designs** and the **PulseRain M10 board** may be subject to export control under the United States Export Administration Regulations (EAR). **Licensee** agrees to comply fully with all relevant export or import laws and regulations that may apply. **Licensee** also warrants that **Licensee** is not located in a prohibited destination country under the EAR or United States sanctions.

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The failure or delay of any party to this agreement to enforce any provisions of this agreement shall not be deemed as a waiver of such rights or prevent the assertion of such rights with respect to any later breaches by the other party.

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## ***Exhibit A***

# **Definitions**

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3. ***Licensor:*** Licensor shall mean PulseRain Technology, LLC
4. ***Licensee:*** Licensee shall mean the party who ***uses*** the ***PulseRain M10 Designs*** under this agreement.
5. ***PCB:*** PCB shall mean the Printed Circuit Board on which all the electronic and mechanical components are soldered.
6. ***FPGA:*** FPGA shall mean the Field Programmable Gate Array devices that are soldered on the ***PulseRain M10 board***. (A typical case for the FPGA is an Altera MAX10 device.)
7. ***Firmware:*** Firmware shall mean all the source code (typically C/C++/assembly) that are needed to produce the machine code executable inside a processor. The processor in this case shall be a softcore processor contained in a FPGA, or a standalone device soldered onto the ***PulseRain M10 board***. (A typical case for such processor is a PulseRain FP51-1T MCU core, or a RISC-V processor core.)
8. ***Software:*** Software shall mean all the source code (such as python scripts) that are needed to produce the machine code executable inside a processor. The processor in this case shall be a physical device external (not soldered) to the ***PulseRain M10 board***. (A typical case for such processor is an Intel x86 processor inside a Windows Desktop PC.)
9. ***PulseRain M10 Board:*** PulseRain M10 board shall mean the physical printed circuit board and all the electronic and mechanical components solder on it, by which the functions intended in the ***PulseRain M10 Designs*** are collectively performed.
10. ***PulseRain M10 Designs:*** PulseRain M10 Designs shall mean all the functions collectively provided by the following portions:
  - ***PCB Portion of the PulseRain M10 Designs***
  - ***FPGA Portion of the PulseRain M10 Designs***
  - ***Firmware Portion of the PulseRain M10 Designs***
  - ***Software Portion of the PulseRain M10 Designs***

## Exhibit A: Definitions

11. **PCB Portion of the PulseRain M10 Designs:** The **PCB** Portion of the **PulseRain M10 Designs** shall mean all the relevant **PCB** design files for **PulseRain M10 board**, which include but are not limited to the following:
  - The schematic drawing (.sch files produced by Eagle CAD)
  - The board layout files (.brd files produced by Eagle CAD)
  - The Gerber Files
  - The XY Position Files
  - The Bill of Materials
  - The Assembly Instructions
  - The Design Documents for the above
12. **FPGA Portion of the PulseRain M10 Designs:** The **FPGA** Portion of the **PulseRain M10 Designs** shall mean all the relevant System Verilog files and supporting files (such as Quartus project files) that are needed to produce net list(s) and bit streams. These include but are not limited to the following:
  - PulseRain's MCU (Microcontroller) designs in System Verilog, and all the supporting files.
  - PulseRain's peripheral designs in System Verilog, and all the supporting files. The peripherals include but are not limited to timer, serial port, registers, bus controllers, microSD controller, memory controller, math functions, codec controller, flash loader etc.
  - The System Verilog Files in PulseRain M10 High Speed Configuration Solution
  - The System Verilog Files in PulseRain M10 Standard Configuration Solution
  - The Design Documents (such as User Guide, Datasheet, Technical Reference Manual) for the above
13. **Firmware Portion of the PulseRain M10 Designs:** The **Firmware** portion of the **PulseRain M10 Designs** shall mean all the **firmware** provided by **PulseRain** in order to make the **PulseRain M10 board** function properly. The design documents that are specific to such **firmware** is also considered to be part of the **firmware**.
14. **Software Portion of the PulseRain M10 Designs:** The **Software** portion of the **PulseRain M10 Designs** shall mean all the **software** provided by **PulseRain** in order to make the **PulseRain M10 board** function properly. The design documents that are specific to such **software** is also considered to be part of the **software**.



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**Version 3, 29 June 2007**

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