Certificate of Volatility

Manufacturer:	Planar Systems, Inc.
Street Address:	1195 NE Compton Drive
City:	Hillsboro
State:	Oregon 97006
Model Numbers:	Leyard Video Controller (VC), HDMI in, DP loop, 4x out (750-2172-xx)

1. Volatile Memory

Does the item contain volatile memory (i.e. memory whose contents are lost when power is removed)?

Yes.

If the answer is Yes, please provide the following information for each type (use additional sheets if required):

Type (SRAM, DRAM, etc.):	DDR SDRAM
Size:	2 Gbits (Qty. 11)
User Modifiable (yes or no):	Yes
Function:	Frame Buffer Memory
Process to Clear:	Cycle Power

Type (SRAM, DRAM, etc.):	DDR SDRAM
Size:	2 Gbits (Qty. 1)
User Modifiable (yes or no):	Yes
Function:	CPU RAM
Process to Clear:	Cycle Power

2. Non-Volatile Memory

Does the item contain non-volatile memory (i.e. memory whose contents are retained when power is removed)?

Yes.

If the answer is Yes, please provide the following information for each type (use additional sheets if required.)

Type (Flash, EEPROM, etc.): Flash

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Size: 256 Mbits (Qty. 1)
User modifiable (yes or no): No
Function: FPGA Configuration ROM
Process to clear: Reflash to original image

Type (Flash, EEPROM, etc.): EEPROM
Size: 32 Kbits (Qty. 1)
User modifiable (yes or no): No
Function: Configuration ROM
Process to clear: None

Type (Flash, EEPROM, etc.): Flash
Size: 64 Mbits (Qty. 1)
User modifiable (yes or no): No
Function: Splash screen image storage
Process to clear: None

Type (Flash, EEPROM, etc.): EEPROM
Size: 32 Kbits (Qty. 1)
User modifiable (yes or no): No
Function: HDCP encryption keys storage
Process to clear: None

Type (Flash, EEPROM, etc.): Flash
Size: 2 Gbits (Qty. 1)
User modifiable (yes or no): No
Function: CPU control firmware
Process to clear: Reflash to original image

Type (Flash, EEPROM, etc.): EEPROM
Size: 2 Kbits (Qty. 4)
User modifiable (yes or no): Yes
Function: HDMI DDC/EDID ROM
Process to clear: Reset to original image through UI

Type (Flash, EEPROM, etc.): Flash
Size: 32 Kbits (Qty. 1)
User modifiable (yes or no): No
Function: HDCP Encryption Keys storage
Process to clear: None

Type (Flash, EEPROM, etc.): Flash
Size: 4 Mbits (Qty. 4)
User modifiable (yes or no): No
Function: Silicon Image CPU control firmware
Process to clear: Reflash to original image

Type (Flash, EEPROM, etc.): EEPROM
Size: 2 Mbits (Qty. 4)
User modifiable (yes or no): No
Function: Valens CPU control firmware
Process to clear: None

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3. Media

Does the item contain media storage capability (i.e., removable or non-removable disk drives, tape drives, memory cards, etc.):

The USB type A connector can be used for connecting USB flash drives for firmware upgrades. Under normal conditions, data is not written to the USB flash drives by the electronics.

4. Additional Information:

Under normal conditions, customer sensitive information is not stored in the non-volatile memory. That memory is used for CPU control software and user setting parameter storage only. If a customer modifies the contents of this storage through a software program, it will render the display non-operational.

All sensitive customer information stored in the frame buffer memory is cleared within seconds after power is removed.

It is therefore not necessary to erase any Flash, EEPROM or DRAM memory in this product before it is released to a non-secure environment.

5. Vendor Representative Information

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