Engineering Design Team (EDT) - Certificate of Volatility

Model: E-Series Board Sets (ECL-E, RS422-E, LVDS-E)	Part Number: See Page 3	Address: **Engineering Design Team, Inc.** 3423 NE John Olsen Avenue Hillsboro, OR 97124 U.S.A. +1-503-690-1234 or 1-800-435-4320

Volatile Memory

Does the device contain volatile memory (memory whose contents are lost when power is removed)?

[✓] Yes [ ] No   If yes, describe the type, size, function, and steps to clear the memory below

Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
SRAM: GSI Technology GS8640Z36GT-167V	72 MBit	[✓] Yes [ ] No	Not used in EDT bitfiles	Power down
DRAM: DDR2 SODIMM	0GB, 1GB, 2GB	[✓] Yes [ ] No	Not used in EDT bitfiles	Power down

Non-Volatile Memory

Does the device contain non-volatile memory (memory whose contents are retained when power is removed)?

[✓] Yes [ ] No   If yes, describe the type, size, function, and steps to clear the memory below

Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
Flash PROM: Cypress / Spansion S29GL128P11FFIV10	128 Mbit	[✓] Yes [ ] No	Configuration memory: stores FPGA configuration file (firmware)	EDT pciload utility. Contact EDT
CPLD: Altera EPM570GF100C5N	570 logic elements	[ ] Yes [✓] No	Configuration control: loads FPGA configuration file (firmware) from flash PROM	JTAG. Contact EDT

Mass Storage

Does the device contain mass storage memory (Hard Disk Drive, Tape Backup)?

[ ] Yes [✓] No   If yes, describe the type, size, function, and steps to clear the memory below

Type (HDD, Tape, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
		[ ] Yes [ ] No		

USB

Does the item accept USB input and if so, for what purpose (i.e. Print Jobs, device firmware updates, scan upload)?

[ ] Yes [✓] No   If yes, describe the type, size, function, and steps to clear the memory below

Can any data other than scan upload be sent to the USB device)?

[ ] Yes [✓] No   If yes, describe the type, size, function, and steps to clear the memory below

RF/RFID

Does the item use RF or RFID for receive or transmit of any data including remote diagnostics (e.g. Cellular phone, Bluetooth)?

☐ Yes ☑ No If yes, describe the type, size, function, and steps to clear the memory below

Purpose:	
Frequency:	Bandwidth:
Modulation:	Effective Radiate Power (ERP):
Specifications:	

Other Transmission Capabilities

Does the device employ any other methods of non-wired access to transmit or receive any data whatsoever (e.g. anything other than standard hard wired TCP/IP, direct USB, or parallel connections)?   ☐ Yes ☑ No   If yes, describe below

Frequency:	Bandwidth:
Modulation:	Effective Radiate Power (ERP):
Specifications:	

Other Capabilities

Does the device employ any other method of communications such as a Modem to transmit or receive any data whatsoever?

☑ Yes ☐ No If yes, describe below:

The E-Series mezzanine boards, when paired with an EDT Main Board, allow RS422, LVDS, or ECL wired interface communication with external equipment.

Specifications:

Author Information

Name	Title	Email	Department
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Date Prepared:	20-Nov-18		

Additional Information

This COV applies to the following part numbers:

019-04061	PCIe8 FX ECL-E//130T/QSH/2G
019-03270	PCIe8 LX ECL-E//110T
019-03711	PCIe8 LX ECL-E//110T/QSH
019-03330	PCIe8 LX ECL-E//220T/1G
019-04016	PCIe8 LX ECL-E//220T/QSH/1G
019-04104	PCIe8 LX ECL-E//220T/QSH/2G
019-14041	PCIe8 LX ECL-E-8/RS422-E8//110T/QSH
019-04061	PCIe8 FX ECL-E//130T/QSH/2G
019-03479	PCIe8 LX LVDS-E//110T/1G
019-15006	PCIe8 LX LVDS-E//110T/QSH
019-03519	PCIe8 LX LVDS-E//220T/1G
019-14018	PCIe8 LX LVDS-E//220T/QSH/1G
019-14080	PCIe8 LX LVDS-E//220T/QSH/2G
019-14352	PCIe8 LX LVDS-E/3.3vPC//110T/3.3vPC/QSH
019-14351	PCIe8 LX LVDS-E/3.3vPC//220T/3.3vPC/QSH
019-03269	PCIe8 LX RS422-E//110T
019-03723	PCIe8 LX RS422-E//110T/QSH
019-03331	PCIe8 LX RS422-E//220T/1G
019-14017	PCIe8 LX RS422-E//220T/QSH/1G
019-14079	PCIe8 LX RS422-E//220T/QSH/2G
019-14136	PCIe8 LX RS422-E/NT/3.3vPC//110T/3.3vPC/QSH