



PRODUCT CHANGE NOTICE (PCN)

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| PART NUMBER(S): XRT86SH328IB and XRT86SH328IB –F | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;">PCN No.: 10-0615-01B</td> </tr> <tr> <td style="padding: 5px;">DATE: July 16, 2010</td> </tr> </table> | PCN No.: 10-0615-01B | DATE: July 16, 2010 | | | | | | |
| PCN No.: 10-0615-01B | | | | | | | | | |
| DATE: July 16, 2010 | | | | | | | | | |
| PART DESCRIPTION: Please refer to www.exar.com | | | | | | | | | |
| LEVEL OF CHANGE: <div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Level I, Customer Approval. <input type="checkbox"/> Level II, Customer Information. </div> | | | | | | | | | |
| PRODUCT ATTRIBUTE AFFECTED: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Material Change</td> <td><input checked="" type="checkbox"/> Data Sheet Change</td> </tr> <tr> <td><input checked="" type="checkbox"/> Design Change</td> <td><input type="checkbox"/> Package Change</td> </tr> <tr> <td><input type="checkbox"/> Process Change</td> <td><input type="checkbox"/> Packing / Shipping</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Other, Explain:</td> </tr> </table> | | <input type="checkbox"/> Material Change | <input checked="" type="checkbox"/> Data Sheet Change | <input checked="" type="checkbox"/> Design Change | <input type="checkbox"/> Package Change | <input type="checkbox"/> Process Change | <input type="checkbox"/> Packing / Shipping | <input type="checkbox"/> Other, Explain: | |
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| <input type="checkbox"/> Process Change | <input type="checkbox"/> Packing / Shipping | | | | | | | | |
| <input type="checkbox"/> Other, Explain: | | | | | | | | | |
| DESCRIPTION OF THE PROPOSED CHANGE: Voyager Rev E device (currently in production) is being now upgraded with new features and the Rev G version of the product is being released to production. Customers need to transition to this Rev G of the device. Rev F was a limited release version. List of changes from Rev E to Rev G are as follows, full details are in the updated data sheet (June 2010) Feature Corrections and Improvements: Bert Pattern: Three patterns defined in TR-25 are generated and detected in the correct order (LSB to MSB bit order from its hex representation) (1:8, 3:24, Daly and Octet 55) SLC-96 HDLC Receive Processor: the receive HDLC is completely independent Synchronous Microprocessor Read back. Intermittent Microprocessor R/W Access issue has been fixed. QRSS Test Pattern AIS-CI and RAI-CI: The ability to enable the detection of AIS-CI and RAI-CI simultaneously AIS-CI generation after HDLC message AIS-CI detection in unframed condition even though AIS being received prior to AISCI. The Rev ID register located at 0005h (operation control register 05h) has been changed from 0100b (in rev. E) to 0110b (in rev. G). 4 MSB bits of IDCODE register with JTAG boundary scan is also change from 0100b (in rev. E) to 0110b (in rev. G) New Feature Additions: TxOn/RTSel Hardware Pin (additional ball AK23): To control the transmitters and receivers on the 28 channels of T1/E1 LIU (pull up internal) RxAUTO BOS Message Feature | | | | | | | | | |

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REASON FOR CHANGE:

To improve device performance and also to add new features.

DATE OF SAMPLES AVAILABLE:

Immediate

DATE OF QUALIFICATION COMPLETED:

June 2010

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| ESTIMATED CHANGE DATE OR DATE CODE: September 2010 or earlier as requested by the customers. | SUPPORTING DATA: Qualification reports |
| <input checked="" type="checkbox"/> STANDARD DISTRIBUTION <input type="checkbox"/> CUSTOM DISTRIBUTION | |
| PERSON TO CONTACT WITH QUESTIONS: LISA BEDARD Exar Corporation 1 Holiday Avenue West Tower, Suite 450 Pointe-Claire, Quebec H9R 5N3 Tel: (514) 429-1010 ext 210 Fax: (514) 695-2548 lisa.bedard@exar.com Please acknowledge receipt of this PCN. | |

Acknowledged:

Signature

Printed Name

Company

Title

Date

Approved Not Approved (Approved/Not Approved section not applicable and should be removed for all Level II PCNs)

Comments: _____

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