



Product Change Notification

105843 - 00

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Should you have any issues with the timeline or content of this change, please contact the Intel Representative(s) for your geographic location listed below. No response from customers will be deemed as acceptance of the change and the change will be implemented pursuant to the key milestones set forth in this attached PCN.

Americas Contact: asmo.pcn@intel.com

Asia Pacific Contact: apacgccb@intel.com

Europe Email: eccb@intel.com

Japan Email: jccb.ijkk@intel.com

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Product Change Notification

Change Notification #: 105843 - 00
Change Title: IXB2800, IXB2800KAS, IXB28004XOC3, IXB28004XOC3FB, PCN 105843-00, FYI, Design change to prevent resetting of board when hot switching to a redundant power source
Date of Publication: January 24, 2006

Type of Change Notification:
FYI - (For Your Information)

Key Characteristics of the Change:
Product Design

Forecasted Key Milestones:

Date Customer Must be Ready to Receive Post-Conversion Material:	Jan 31, 2006
Date of First Availability of Post-Conversion Material:	Jan 31, 2006

The date of "First Availability of Post-Conversion Material" is the projected date that a customer may expect to receive the Post-Conversion Materials. This date is determined by the projected depletion of inventory at the time of the PCN publication. The depletion of inventory may be impacted by fluctuating supply and demand, therefore, although customers should be prepared to receive the Post-Converted Materials on this date, Intel will continue to ship and customers may continue to receive the pre-converted materials until the inventory has been depleted.

Description of Change to the Customer:

To prevent the sensing of a false over current condition and the subsequent resetting of the board when hot switching power sources a component change in the input protection circuit is required. The component to be changed is transistor Q11 located on the baseboard between the blue connector and main DC-DC converters –see Fig.1 below

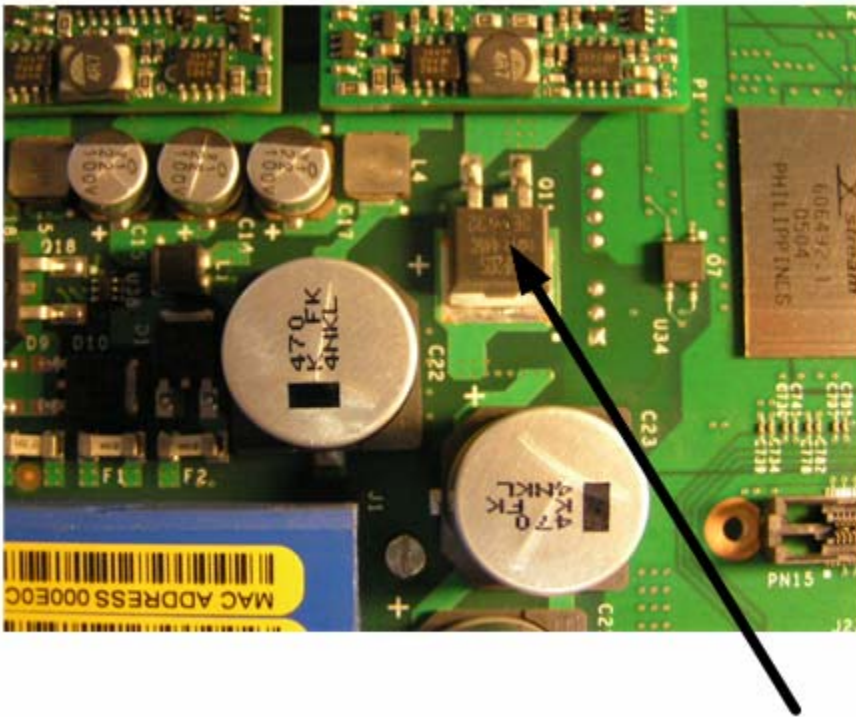


Fig.1 Q11 location on C99378-00x baseboard

Power MOSFET transistor Q11 is replaced with a transistor that has a much higher channel resistance. Q11 controls the initial charging of the input capacitors and will eliminate the false over current condition.

Customer Impact of Change and Recommended Action:

Intel has thoroughly evaluated this change to ensure that it corrects the problem and does not have any negative functional implications to our customers.

Intel recommends that these boards be returned to Intel for rework. You may return the boards right away, or if the board is deployed and currently functioning properly, you may elect to wait to see if the board exhibits the described symptoms. All returned boards will be repaired free of charge via Intel's Direct Return Authorization (DRA) process. The boards must be returned within the applicable warranty period to receive the free of charge repair.

To return a board for a repair:

US Distributors: Please fill out the online DRA form, mentioning "Power Source Reset Issue" in the problem description field, at:

<http://www.intel.com/support/motherboards/draform.htm>

Non-US Distributors: Please contact your RMA Call Center to arrange for return and repair.

To avoid shipping expenses, please request the "Intel FedEx account number" when completing the DRA (include this in the problem description section), or when speaking to a representative in the RMA Call Center.

See part number details below.

Products Affected / Intel Ordering Codes:

Product Table

Affected Product Code	Affected MM#	Pre Change TA #	Post Change TA #	Pre Change CA #	Post Change CA #
IXB2800	874048	C70303-006	C70303-007	C80999-006	C80999-007
IXB2800KAS	874046	C70302-007	C70302-008	C74212-007	C74212-008
IXB28004XOC3	874045	C70299-007	C70299-008	n/a	n/a
IXB28004XOC3FB	874049	C93584-006	C93584-007	C74214-008	C74214-009

Reference Documents / Attachments:

Document:

Location #:

DRA Form

<http://www.intel.com/support/motherboards/draform.htm>

PCN Revision History:

Date of Revision:

Revision Number:

Reason:

January 24, 2006

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Originally Published PCN