



Product Change Notification

106061 - 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 #: 106061 - 00
Change Title: IXB2800, IXB2800KAS, IXB28004XOC3, IXB28004XOC3FB, PCN 106061-00, Product Design, Design change to prevent resetting of board when switching the redundant power source on and off
Date of Publication: March 18, 2006

Key Characteristics of the Change:

Product Design

Forecasted Key Milestones:

Date Customer Must be Ready to Receive Post-Conversion Material:	Mar 24, 2006
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Description of Change to the Customer:

To prevent resetting of the board that is operating when redundant power sources is being switched on and off requires a component change in the input protection circuit. The component to be changed is transistor Q18 located on the baseboard between the blue connector and main DC-DC converters, close to the edge of the board—see Fig.1 below.

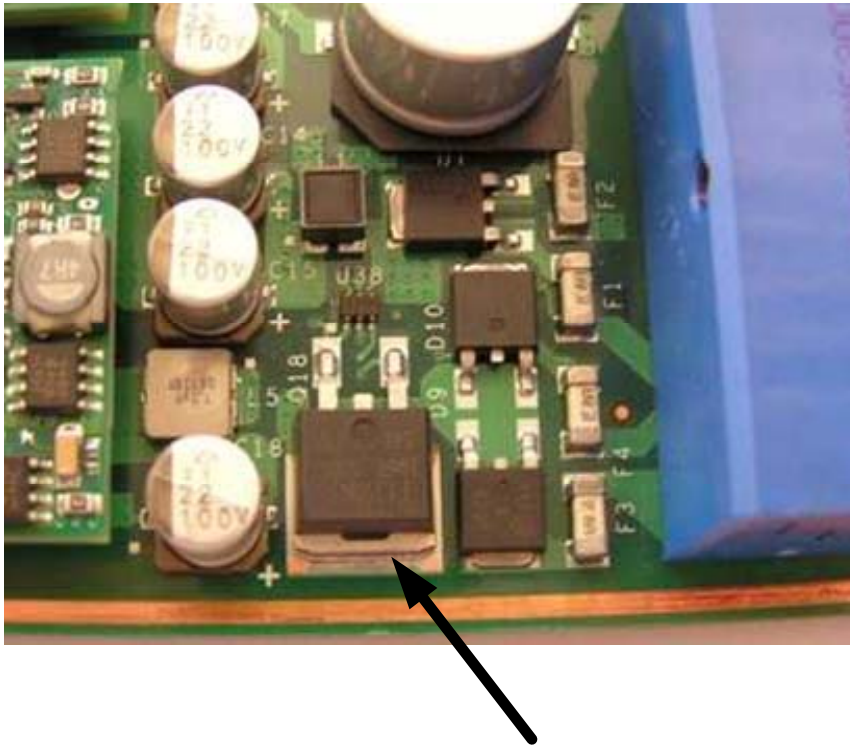


Fig.1 Q18 location on C99378-00x baseboard

Power MOSFET transistor Q18 is replaced with a transistor that has a much lower channel resistance. Since the board reset is initiated by the voltage drop across the channel resistance this change makes the protection circuit less sensitive to transients. This change does not affect ATCA compliance.

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:

Products Table

Affected Product Code	Affected MM#	Pre Change TA #	Post Change TA #	Pre Change CA #	Post Change CA #
IXB2800	874048	C70303-008	C70303-009	C80999-008	C80999-009
IXB2800KAS	874046	C70302-009	C70302-010	C74212-009	C74212-010
IXB28004XOC3	874045	C70299-009	C70299-010	n/a	n/a
IXB28004XOC3FB	874049	C93584-008	C93584-009	C74214-010	C74214-011

Reference Documents / Attachments:

Document: **Location #:**
DRA Form <http://www.intel.com/support/motherboards/draform.htm>

PCN Revision History:

Date of Revision: **Revision Number:** **Reason:**
March 18, 2006 00 Originally Published PCN