



Product Change Notification

106144 - 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.

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Product Change Notification

Change Notification #: 106144 - 00
Change Title: Intel NetStructure® IXB2850XGBE, IXB28504XGBEFS, PCN 106144-00, Product Design, Design change to prevent resetting of board when switching the redundant power source on and off
Date of Publication: March 31, 2006

Key Characteristics of the Change:

Product Design

Forecasted Key Milestones:

Date Customer Must be Ready to Receive Post-Conversion Material:	Apr 10, 2006
Date of First Availability of Post-Conversion Material:	Apr 10, 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 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.

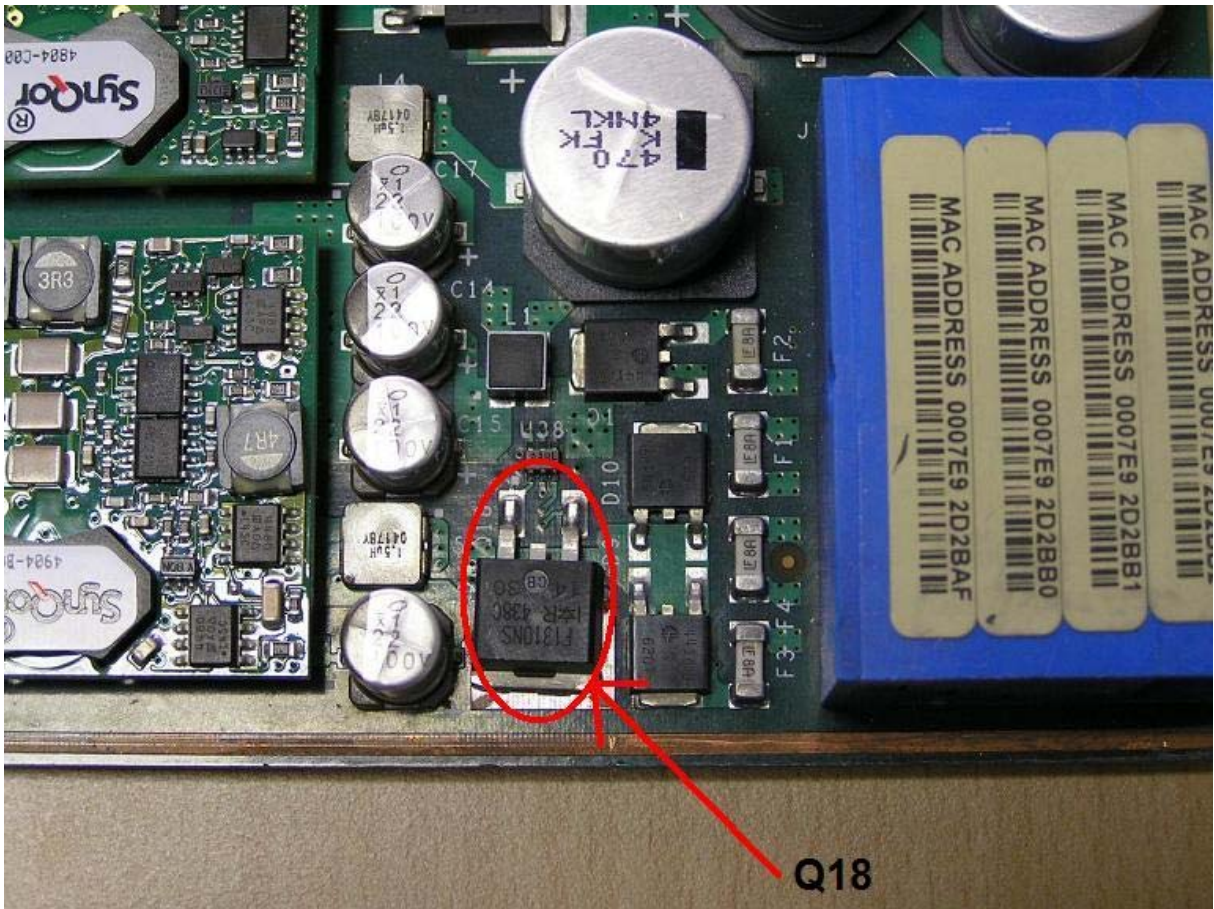


Fig.1 Q18 location on baseboard

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:

Board Products Table

Affected Product Code	Affected MM#	Pre Change TA #	Post Change TA #	Pre Change CA #	Post Change CA #
IXB28504XGBE	870523	D16984-006	D16984-007	D16985-006	D16985-007
IXB28504GBEFS	870497	D16719-006	D16719-007	D16720-006	D16720-007

Reference Documents / Attachments:

Document:

DRA Form

Location #:

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

PCN Revision History:

Date of Revision:

March 31, 2006

Revision Number:

00

Reason:

Originally Published PCN