



Product Change Notification

113027 - 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 #: 113027 - 00
Change Title: Intel® Integrated RAID Module
RMS25PB040, RMS25PB080, and
RMT3PB080
PCN 113027-00, Product Design
Update Firmware, Change Serial Bootstrap
Room (SBR) Setting, Remove the R5M45
Resistor
Date of Publication: May 15, 2014

Key Characteristics of the Change:

Product Design

Forecasted Key Milestones:

Date Customer Must be Ready to Receive Post-Conversion Material *:	Jun 08, 2014
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** Intel appreciates the customer's desire to receive the latest revision of products. However, Intel manages inventory on a first in first out (FIFO) basis at the MM# level. Subsequently, customer requests for a specific revision of material (below the MM#) will not be supported by Intel.*

Description of Change to the Customer:

Intel is implementing the following changes on the Intel® Integrated RAID Module RMS25PB040, RMS25PB080, and RMT3PB080:

1. Update the firmware to version v23.28.0 0010, which can set the RAID module cache policy from Write Back to Write Through when a scheduled learn cycle of the RAID Maintenance Free Backup Unit fails to complete successfully.
Please refer to the Technical Advisory TA-1052-1 for more information about this firmware. The TA-1052-1 can be found at
<http://download.intel.com/support/motherboards/server/sb/ta10521.pdf>
2. Disable the PCIe* 3.0 link speed setting in the Serial Bootstrap Room (SBR) on the RAID module. This change can force the RAID module to run at PCIe* 2.0 link speed to achieve a stable PCIe* communication with the server system. The SBR setting only can be changed at Intel manufactory.

3. Remove the R5M45 pull-down resistor from the PRESENT# detection circuit on the RAID module. This change will prevent the situation that an additional PCIe* bridge device may be falsely recognized by the server system if the RAID module is installed on the PCIe* slot which can support both the PCIe* adapter and riser. See Figure 1 below.

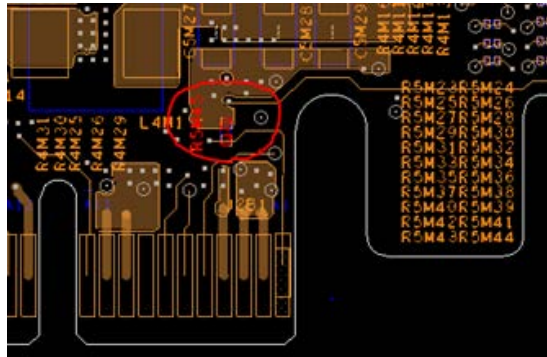


Figure 1. R5M45 pull-down resistor location

Customer Impact of Change and Recommended Action:

Intel recommends that the customer perform a standard level of evaluation. Customers can download the latest firmware package from Intel website:

<http://www.intel.com/support>.

Products Affected / Intel Ordering Codes:

Product Code	MM#	Pre Change TA	Pre Change PBA	Post Change TA	Post Change PBA
RMS25PB080	924868	G34888-611	G27504-611	G34888-612	G27504-612
RMS25PB040	924869	G34892-611	G45802-611	G34892-612	G45802-612
RMT3PB080	924870	G34893-611	G45803-611	G34893-612	G45803-612

PCN Revision History:

Date of Revision:

May 15, 2014

Revision Number:

00

Reason:

Originally Published PCN