



Product Change Notification

113350 - 01

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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 #: 113350 - 01
Change Title: Intel® Server System R2224GZ4GC4
PCN 113350-01, Product Design
Update the System Rear Panel, Resistors and Capacitor
Reason for Revision: Update BIOS/ME/BMC/FRUSDR
Date of Publication: November 14, 2014

Key Characteristics of the Change:

Product Design

Forecasted Key Milestones:

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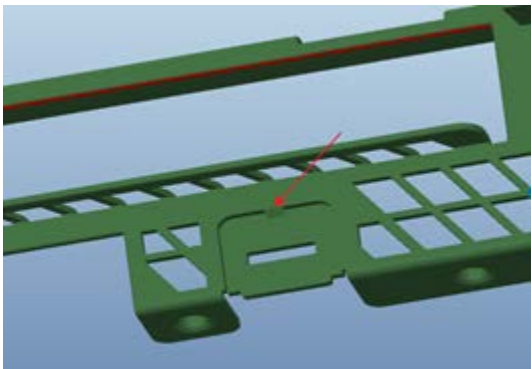
** Intel appreciates the customer's desire to receive the latest revision of products. However, Intel manages inventory on a first in first out (FIFO) basis at the MM# level. Subsequently, customer requests for a specific revision of material (below the MM#) will not be supported by Intel.*

Description of Change to the Customer:

Intel is implementing the following changes on the Intel® Server System R2224GZ4GC4:

1. Update the one big center joint to two smaller joints so that the joints will not conflict with the LAN cable connector latch. See Figure One.

Pre-change



Post-change

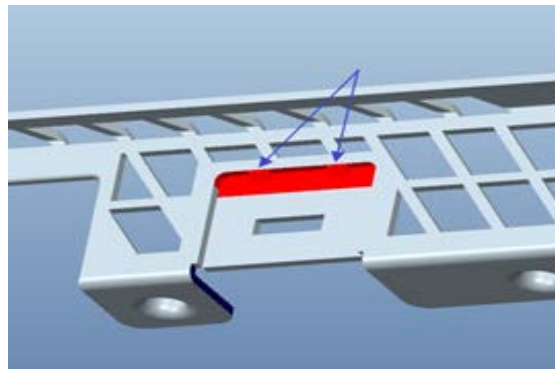


Figure One

- Update the rear panel opening height 0.6mm higher to improve the flexibility for the cable latch. The previous height was 12.6mm \pm 0.25mm. The updated height is 13.2mm \pm 0.25mm. See Figure Two.

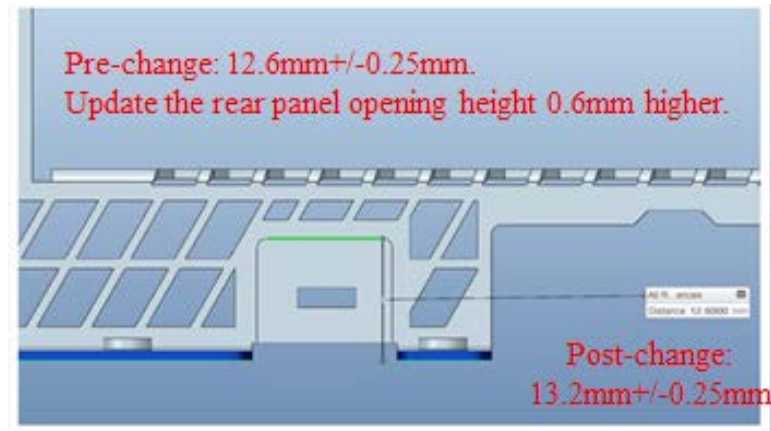


Figure Two

- Add eight cut-offs around the on-board NIC (Network Interface Controller) openings to improve the LED visibility. See Figure Three.

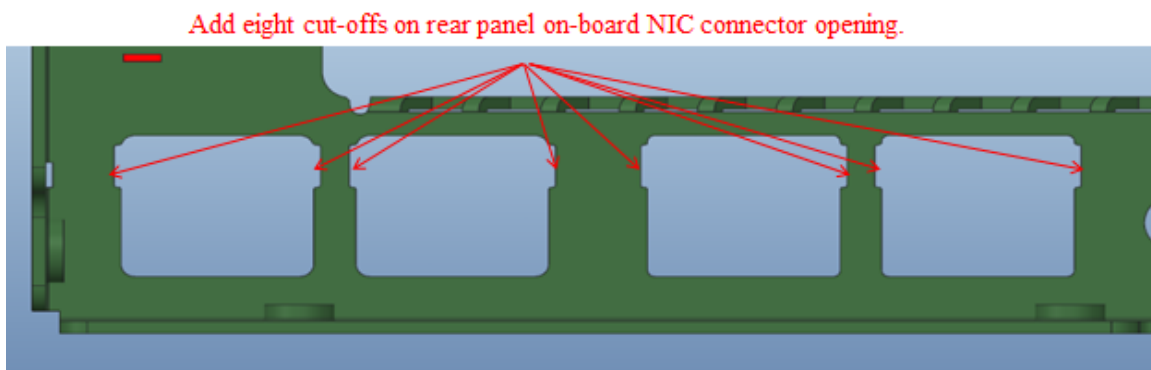


Figure Three

- Update the following resistors and capacitor (see Table One and Figure Four) on the 2U PCIe Riser Spare A2UL8RISER to make an improvement to support a higher 3.3 Voltage Regulator startup over current. Before this change, the Voltage Regulator on the riser card may not be able to turn on when the total current drawn is more than 5A current. After this change, the Voltage Regulator on the riser card can support more than 10A current.

Table One. Component Updates for the 2U Riser Spare A2UL8RISER

Component	Location	Pre-change	Post-change
Resistor	R2B10	10.00 kOhm	3.65 kOhm
Resistor	R1A20	0 Ohm	30 Ohm
Resistor	R1A19	40.20 kOhm	20.00 kOhm
Capacitor	C1A13	10.00 pF	120.00 pF

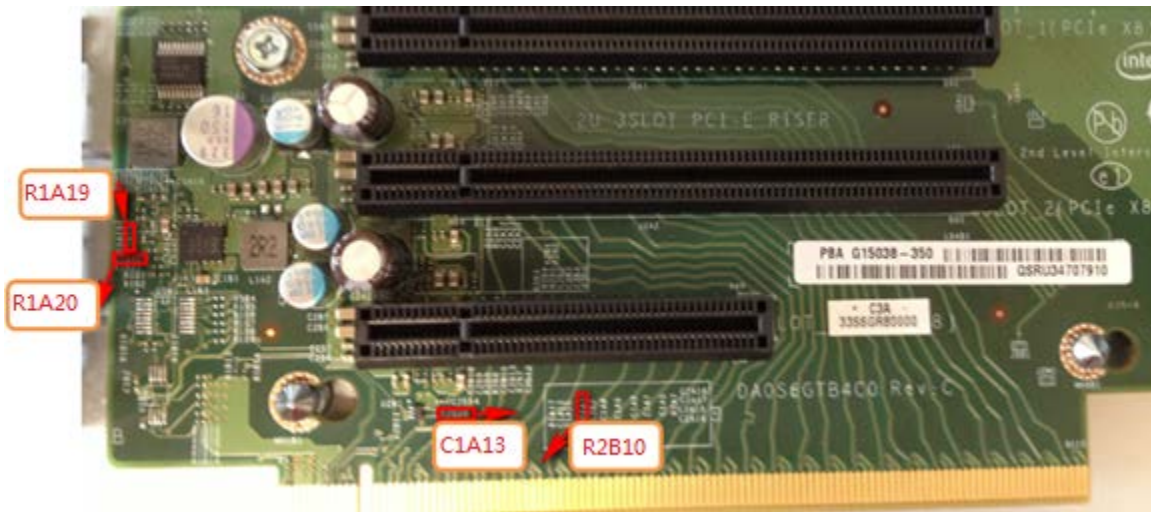


Figure Four. Component Locations for the 2U Riser Spare A2UL8RISER

5. Update the BIOS from revision 01.08.0003 to 02.03.0003.
6. Update the Integrated Baseboard Management Controller (BMC) firmware from revision 01.17.4151 to 01.21.6580.
7. Update the Manageability Engine (ME) firmware from revision 02.01.05.107 to 02.01.07.328.
8. Update the FRUSDR from revision 1.07 to 1.13.

The system software update package, including the release notes for each, is available for downloading from <http://www.intel.com/support>. Please refer to the software release notes for a list of changes.

Customer Impact of Change and Recommended Action:

Intel does not expect any impact to customers from these changes. Customers may need to validate the function and feature changes once the post-change system is available.

Products Affected / Intel Ordering Codes:

ASMO SKU			
Product Code	MM#	Pre Change TA	Post Change TA
R2224GZ4GC4	921971	G63775-003	G63775-004

PCN Revision History:

Date of Revision:	Revision Number:	Reason:
October 27, 2014	00	Originally Published PCN
November 14, 2014	01	Update BIOS/ME/BMC/FRUSDR