



# Product Change Notification

## 113324 - 00

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# Product Change Notification

**Change Notification #:** 113324 - 00  
**Change Title:** Intel® Server System R2312GL4GS  
PCN 113324-00, Product Design  
Update the System Rear Panel, Resistors and  
Capacitors  
**Date of Publication:** October 29, 2014

## Key Characteristics of the Change:

Product Design

## Forecasted Key Milestones:

<b>Date Customer Must be Ready to Receive Post-Conversion Material *:</b>	November 13, 2014
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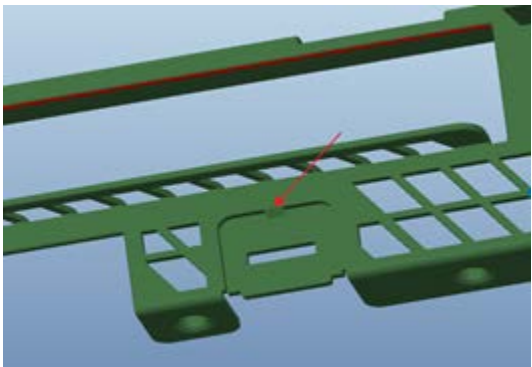
*\* Intel appreciates the customer's desire to receive the latest revision of products. However, Intel manages inventory on a first in first out (FIFO) basis at the MM# level. Subsequently, customer requests for a specific revision of material (below the MM#) will not be supported by Intel.*

## Description of Change to the Customer:

Intel is implementing the following changes on the Intel® Server System R2312GL4GS:

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 the Figure One.

Pre-change



Post-change

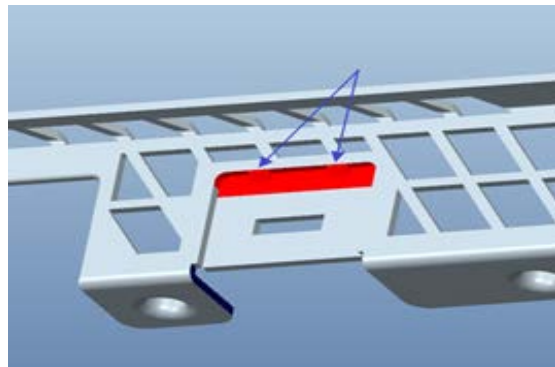


Figure One

2. 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 the Figure Two.

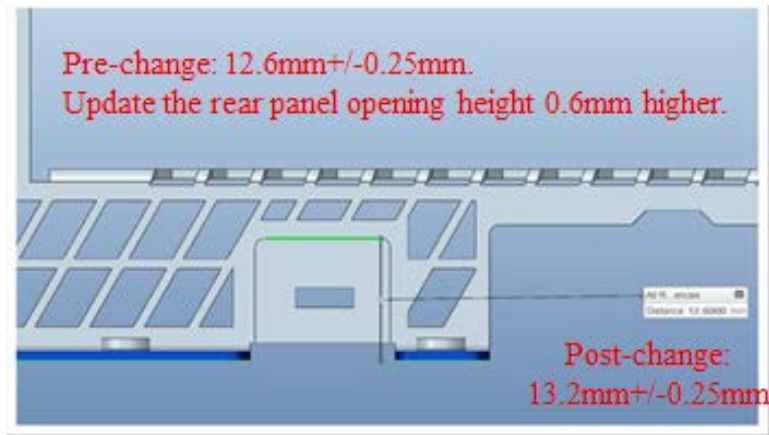


Figure Two

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

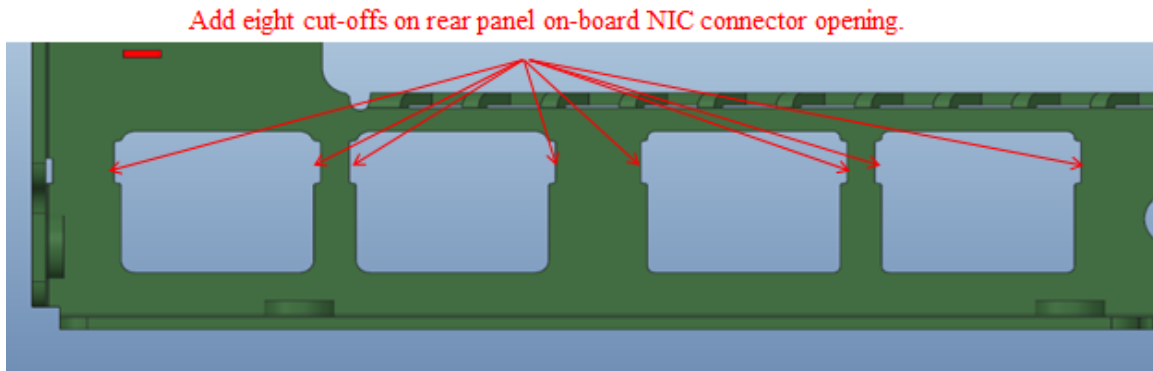


Figure Three

4. 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	10.0 kOhm	3.65 kOhm
Resistor	R1A20	0 Ohm	30 Ohm
Resistor	R1A19	40.2 kOhm	20 kOhm
Capacitor	C1A13	10 pF	120 pF

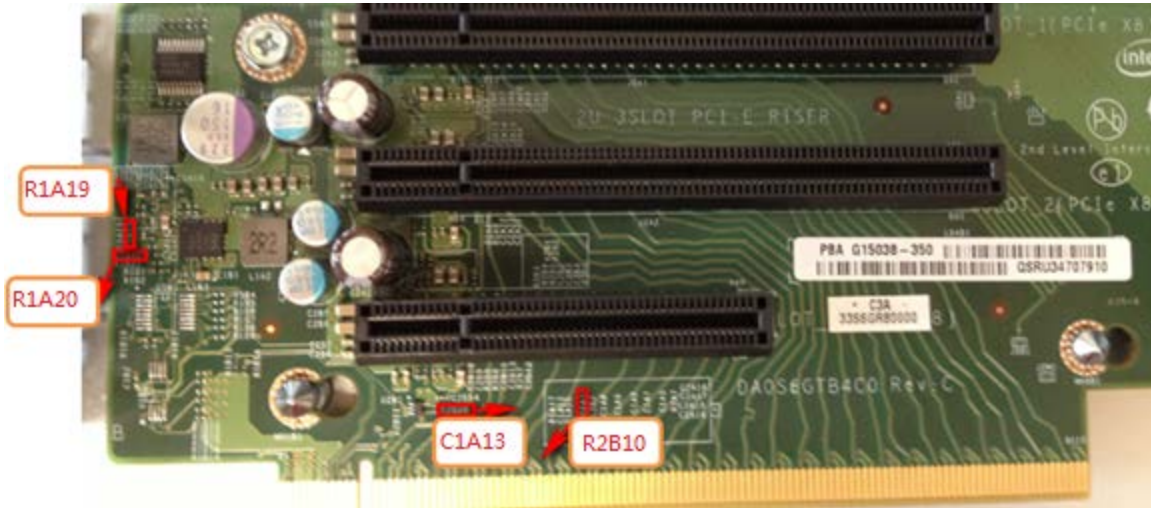


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### Customer Impact of Change and Recommended Action:

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:

EMEA SKU			
Product Code	MM#	Pre Change TA	Post Change TA
R2312GL4GS	927012	G52112-006	G52112-007

### PCN Revision History:

**Date of Revision:**

October 29, 2014

**Revision Number:**

00

**Reason:**

Originally Published PCN