



Product Change Notification

109370 - 02

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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 #: 109370 - 02
Change Title: Intel(R) Server Board S5520UR, PCN 109370-02, Product Design, System Software Updates, Heatsink TIM, and Resistor Value changes, Reason for Revision: Addition of load plate change
Date of Publication: June 30, 2009

Key Characteristics of the Change:

Product Design

Forecasted Key Milestones:

Date Customer Must be Ready to Receive Post-Conversion Material:	Jul 24, 2009
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Description of Change to the Customer:

Reason for Revision: Addition of load plate change

Change 1) System Software programmed at the factory on the Intel(R) Server Board S5520UR is being updated.

BIOS - From 25 to 38
BMC - From 28 to 40
FRUSDR - From 09 to 16

The system software update, including Release notes for each, will be available for download from Intel's support website <http://support.intel.com/support/motherboards/server/s5520ur/> prior to this change.

Please see software release notes for a list of changes when available.

Change 2) Resistor values are changing as follows:

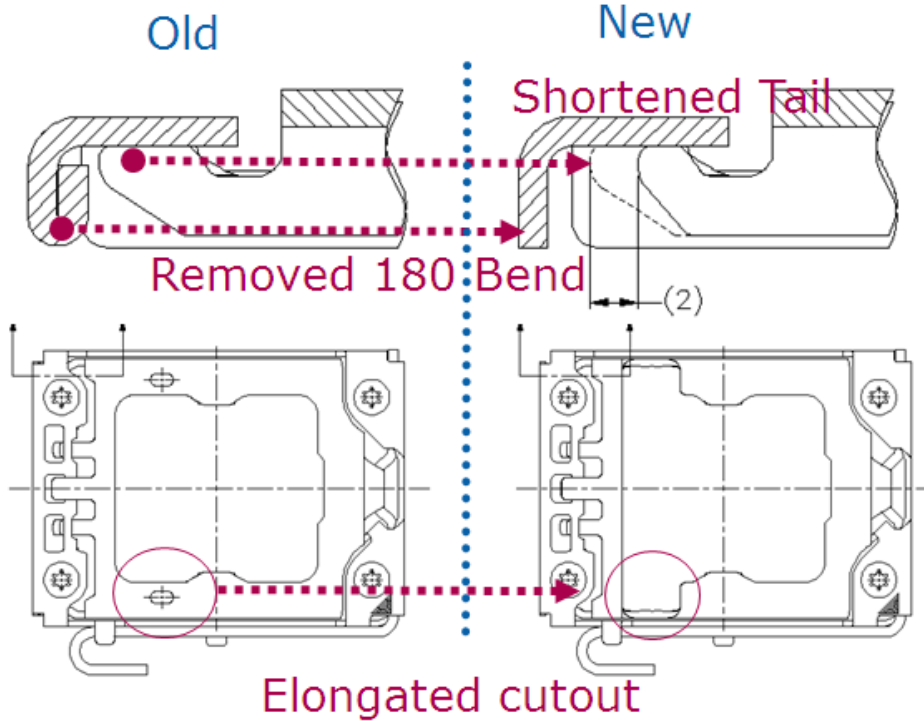
R5M2 - From 1M to 2M
R5A11 - From 8.45K to 8.25K
R2Y10 - From 1M to 2M
R8K26 - From 8.45K to 8.25K

These changes have been shown to provide a slight performance increase in certain High Performance Computing applications with a heavy reliance on Turbo Mode Technology.

Change 3) The Thermal Interface Material (TIM) used for the Voltage Regulator Heatsinks is being changed to limit the amount of overflow

when installed onto the board. The new TIM has been fully validated by Intel to meet all the thermal requirements of the board.

Change 4) Intel is changing the pressure plate used on the processor sockets to a different version. This will accommodate future socket designs. For details see the pictures below. There is no change to the fit, function, or operation of the processor socket.



Customer Impact of Change and Recommended Action:

Intel does not foresee any adverse customer impact to these changes. Intel recommends performing a standard level of evaluation as updated product becomes available.

Products Affected / Intel Ordering Codes:

Pre Change Product Code	Pre Change MM#	Pre Change TA	Pre Change PBA	Post Change TA	Post Change PBA
SE24717	899994	E48908-604	E24717-604	E48908-605	E24717-605
BB5520UR	901085	E56354-604	E22554-604	E56354-605	E22554-605

Reference Documents / Attachments:

Document:

Location #:

PCN Revision History:

Date of Revision:

Revision Number:

Reason:

May 29, 2009

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Originally Published PCN

June 24, 2009

01

Updating availability date and TA# information

June 30, 2009

02

Addition of load plate change