



Product Change Notification

105216 - 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 #: 105216 - 00
Change Title: ZT5085xx, ZT5088xx and ZT5061, PCN 105216-00, FFF, Multiple changes to Fan Tray - Blowers, Gasket, Cables and Mounting Brackets/Fastener; Fan Tray FRU code change and label addition
Date of Publication: August 29, 2005

Type of Change Notification:
FFF - (Form-Fit-Function)

Key Characteristics of the Change:
Product Design

Forecasted Key Milestones:

MPCHC5085AC

Date Customer Must be Ready to Receive Post-Conversion Material:	Oct 10, 2005
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MPCHC5085DC

Date Customer Must be Ready to Receive Post-Conversion Material:	Oct 10, 2005
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MPCHC5088AC

Date Customer Must be Ready to Receive Post-Conversion Material:	Oct 03, 2005
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MPCHC5088DC

Date Customer Must be Ready to Receive Post-Conversion Material:	Oct 03, 2005
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ZT6701

Date Customer Must be Ready to Receive Post-Conversion Material:	Oct 03, 2005
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Description of Change to the Customer:

As part of the ZT508xxx to MPCHC508xxx product code migration outlined in PCN104871-002, dated June 13, 2005 Intel will be making additional changes to the fan tray assemblies. To further improve fan performance and reliability, the following changes will be made:

- 1) Change Comair blower to a Delta blower, which includes the following changes to the fan tray controller board -
 - a) roll of PBA from C24059-307 to C24059-308
 - b) change R112 and R113 from 634 ohms to 549 ohms (this changes the 80% fan speed voltage for fans 2 and 3 from 7.39 to 6.51 volts as required by the new blower)
 - c) change R12 from 82.5K ohm to 332K ohm to increase the startup time staggering of fans 2 and 3 from 580 msec to 4 sec. to reduce fan startup inertia
 - d) Update FRU with new PBA number

- 2) Change fan baffle to allow better cable run - increased the opening for cable clearance to keep the cable from pinching during manufacturing
- 3) Move PEM insert to improve fan tray connector engagement
- 4) Countersink mounting holes in sheetmetal at the front of the fan position to accommodate the new fans
- 5) Change the EMI gasket on the fan tray with a higher sheer strength material to improve tray seating and prevent gasket tears when installing the fan tray
- 6) Combine the 3 separate EMI gaskets, afixed to the chassis near the fan tray connector mount, into one large gasket (of the same material). This will improve the fan tray seating and positioning of the EMI gaskets.
- 7)To address customer requests for easier identification of fan trays:
 - Add a product code label to the fan tray assembly
 - Add a label containing the the fan tray assembly number to the outer box for spare fan trays
 - Update the fan tray FRU data field to include the assembly number to allow fan tray identification using the Intel CMM

Customer Impact of Change and Recommended Action:

The changes documented in this PCN are designed to improve the performance and reliability of the identified products, make visual identification of the fan tray and spares easier by having the same three labels (product code, assembly number and serial number) on the outer box (for spares) and on the fan tray itself. Additionally, customers will be able to identify the fan tray using the CMM. Intel has tested the changes for compatibility and compliance with applicable regulations, and therefore does not foresee that these changes require action by the customer.

The ZT6701 fan trays that will be used in the MPCHC508xxx chassis are not backward compatible with the ZT5061 fan trays used in the corresponding ZT508xxx chassis. Intel will continue to make spare ZT5061 fan trays available for the ZT508xxx chassis.

Products Affected / Intel Ordering Codes:

System Products Table

Pre-Change Product Code	Post-Change Product Code	Pre-Change MM#	Post-Change MM#	Pre-Change TA	Post-Change TA
ZT5061	ZT6701	848565	856807	C14469-003	C52576-006
ZT5085AC	MPCHC5085AC	845904	863990	A90846-015	C66063-006
ZT5085DC	MPCHC5085DC	845906	863991	A90844-015	C66098-007
ZT5088AC	MPCHC5088AC	845907	864053	A90843-015	C65540-007
ZT5088DC	MPCHC5088DC	845912	863989	A90842-015	C66052-007

Reference Documents / Attachments:

Document:

Location #:

PCN Revision History:

Date of Revision:

August 29, 2005

Revision Number:

00

Reason:

Originally Published PCN