



Product Change Notification

109469 - 00

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Product Change Notification

Change Notification #: 109469 - 00
Change Title: SC5299BRP, PCN 109469-00, Product Design, Power Supply Second Source IC Qualified For Improved Output Voltage Regulation and Production Yield
Date of Publication: July 02, 2009

Key Characteristics of the Change:

Product Design

Forecasted Key Milestones:

Date Customer Must be Ready to Receive Post-Conversion Material:	Jul 25, 2009
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Description of Change to the Customer:

A second source, current mode active clamp PWM controller IC (301), with superior Zener diode voltage characteristics compared with the first source IC, and better production yield data, has been qualified for use with the Intel(R) Server Chassis SC5299BRP 650W power supply.

The current mode active clamp PWM controller IC is responsible for generating the PWM control signals to the power MOSFET's of the DC-to-DC converter, and provides output voltage regulation.

This second source IC is expected to increase production yield from the current 98.6% to an anticipated 99.9%, and also provide improved PSU module output voltage regulation characteristics.

Customer Impact of Change and Recommended Action:

Customers will receive better output voltage regulation from this second source IC. Standard system validation is being recommended.

Products Affected / Intel Ordering Codes:

Pre Change Product Code	Pre Change MM#	Pre Change TA	Post Change Product Code	Post Change MM#	Post Change TA
SC5299BRP	877864	D46870-011	SC5299BRP	877864	D46870-012
SC5299BRPNA	881190	D46870-011	SC5299BRPNA	881190	D46870-012
APP4650WPSU	878018	D43887-004	APP4650WPSU	878018	D43887-005

Reference Documents / Attachments:

Document:

Location #:

PCN Revision History:

Date of Revision:

July 2, 2009

Revision Number:

00

Reason:

Originally Published PCN