

Title:	<b>Catalyst Module Rev B to Rev D (Intel SCH15 D1 to D2 Stepping)</b>
PCN #:	09001
Issue Date:	June 5, 2009
Affected Products:	Catalyst Module Development System Catalyst EC Development System ISIS Development System

## Summary

Intel Corporation has changed the US15W System Controller Hub from Rev. D-1 to Rev. D-2 silicon. Eurotech integrated the US15W System Controller Hub with the Z510 and Z530 Atom processors on Catalyst Module products. As a result, we are revising our Catalyst modules from Rev. B modules (P/N: 900122-2xxxRBx) to Rev. D modules (P/N: 900122-2xxxRDx).

## Impact

A software driver update may be required for software compatibility.

If a heat spreader is being used to contact the voltage regulators, CPU, and SCH ICs, mechanical analysis may be needed to ensure proper mechanical connectivity.

## Description of Product Change

The following are the changes between Revision B and Revision D of the Catalyst module:

- 1) Replacement of US15W System Controller Hub with Revision D-2 silicon. Contact your Intel representative for errata that were corrected in this revision of silicon.
- 2) Replacement of integrated voltage regulators U26, U27, and U28 with discrete implementations. This change was introduced to increase manufacturing yield and increase reliability.
- 3) Printed wiring board color change from green to blue.

Note: The Z510 and Z530 CPU will continue to be shipped with revision C-0 silicon. Contact your Intel representative for any errata that exists on this revision of CPU silicon.

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### Photo of Rev. D Boards (for reference)



### Effectivity

Eurotech began shipping these units on February 1, 2009.

### Recommended Action

Visit the Eurotech Support Forum at <http://support.eurotech-inc.com/forums/default.asp> for any USB driver updates that may be required to support the updated US15W silicon. Document 110122-2013 describes the procedure to update the USB drivers for Microsoft Windows.