



## Product Change Notification

**Document #:** PCN-450022  
**Change Title:** Cortina Systems® CS3487 4-Port 10Gigabit Ethernet MAC w/ Interlaken, Assembly and Test Manufacturing Site Qualification, PCN450022, FFF  
**Revision Date:** 22 July 2010

## Type of Change Notification

FFF (Form, Fit, Function)

## Key Characteristics of the Change:

New Assembly and Test Site qualification for the CS3487.

COO to change from Korea to Taiwan.

## Forecasted Key Milestones:

<b>Date Customer Must be Ready to Receive Post-Conversion Material:</b>	22 October 2010
<b>Date of Samples Availability:</b>	Available Now
<b>Date of Qualification Data Availability:</b>	Available Now

## Description of Change to the Customer:

Cortina Systems, Inc. is qualifying a new assembly and test facility to manufacture the Cortina Systems® CS3487 (4-Port 10Gigabit Ethernet MAC w/ Interlaken) products. Country of Origin will change from Korea to Taiwan. Please see reference table below for the before and after changes to this product. All product reliability test and characterization have been completed.

The “Date Customer Must be Ready to Receive Post–Conversion Material” is the projected date that a customer may expect to receive the Post–Conversion Materials. This date is determined by the projected depletion of inventory at the time of the PCN publication. The depletion of inventory may be impacted by fluctuating supply and demand; therefore, customers should be prepared to receive the Post-Converted materials on this date. Cortina Systems will continue to ship and customers may continue to receive the pre-converted material until inventory has been depleted.

## Customer Impact of Change and Recommended Action:

Cortina Systems has taken care to make sure there are minimal changes to the device dimensions. The reference tables below show the minor differences before and after the change. Depending on your equipment, some customers may find it necessary to adjust the physical settings on pick and place machines or similar. Customers may want to qualify new BGA substrate package on their systems and be prepared to begin receiving revised devices per forecasted key milestones above.

### Reference Table for HPCS3487C.B0

Dimension	Before Change	After Change
Nominal package thickness	2.78 mm	2.75 mm
Measured thickness	2.78 ±0.25 mm	2.75 ±0.25 mm
BGA Ball diameter	0.64 +0.06/-0.14 mm	0.60 ±0.10 mm
Assembly	Amkor	ASE
COO	Korea	Taiwan
MM #	998692	998974
BGA ball height	0.5 ±0.1 mm	No change
BGA ball alloy	Sn63Pb37	No change
Package size (x,y)	37.5 mm x 37.5 mm	No change
Silicon Foundry	TSMC	No change
Substrate thickness/Supplier	0.8 mm nominal/Kyocera	No change
Lid thickness/Type	0.5 ±0.03 mm/Ni Plated Cu	No change
Package marking/labeling	Product marking below pin 1	No change
Pin 1 marking location	Top left corner relative to marking	No change

### Reference Table for RPCS3487C.B0

Dimension	Before Change	After Change
Nominal package thickness	2.78 mm	2.75 mm
Measured thickness	2.78 ±0.25 mm	2.75 ±0.25 mm
BGA Ball diameter	0.64+0.06/-0.14 mm	0.635 ±0.100 mm
Assembly	Amkor	ASE
COO	Korea	Taiwan
MM #	998840	998978
BGA ball height	0.5 ±0.1 mm	No change
BGA ball alloy	SAC305	No change
Package size (x,y)	37.5 mm x 37.5 mm	No change
Silicon Foundry	TSMC	No change
Substrate thickness/Supplier	0.8 mm nominal/Kyocera	No change
Lid thickness/Type	0.5 ±0.03 mm/Ni Plated Cu	No change
Package marking/labeling	Product marking below pin 1	No change
Pin 1 marking location	Top left corner relative to marking	No change

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## Products Affected / Cortina Systems Ordering Codes:

Affected Product	Post-Affected Product Code	Media Type
CS3487	HPSC3487C.B0-998974	TRAY
CS3487	RPCS3487C.B0-998978	TRAY

## Revision History:

Initial Release: Revision 0: 22 July June 2010
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### Cortina Systems, Inc.

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