



Product Change Notification

Document #	PCN-450028
Change Title:	Cortina Systems® CS3477 4-Port 10 Gigabit Ethernet MAC w/ Interlaken, Assembly and Test Manufacturing Site Qualification, PCN-450028, Abridged Timeline, FFF
Revision Date:	10 January 2011

Type of Change Notification:

FFF (Form Fit Function)

Key Characteristics of Change:

- New Assembly and Test Site qualification for the CS3477
- COO to change from Korea to Taiwan.

Forecasted Key Milestones:

Milestone	Date
Date Customer Must be Ready to Receive Post-Conversion Material:	10 February 2011
Date of Samples Availability:	Available Now
Date of Qualification Data Availability:	Available Now

Description of Change to the Customer:

Cortina Systems, Inc. (Cortina™) is qualifying a new assembly and test facility to manufacture the Cortina Systems® CS3477 4-Port 10 Gigabit Ethernet MAC with 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 tests and characterizations 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 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 has taken care to ensure 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 packages on their systems and be prepared to begin receiving revised devices per forecasted key milestones above.

Products Affected / Cortina Systems Ordering Codes:

Affected Product Code	Post-Affected Product Code	RoHS Status	Media Type
HPCS3477C.B0-998694	HPCS3477C.B0-998972	RoHS 5	TRAY
RPCS3477C.B0-998839	RPCS3477C.B0-998976	RoHS 6	TRAY

Reference Table for HPCS3477C.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 #	998694	998972
BGA ball height	0.5 ±0.1 mm	No change
BGA ball alloy	Sn63Pb37	No change
Package size (x,y)	33 mm x 33 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
Product marking/labeling	Product marking below pin 1	No change
Pin 1 marking location	Top left corner relative to marking	No change

Reference Table for RPCS3477C.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	0.63 ±0.100 mm
Assembly	Amkor	ASE
COO	Korea	Taiwan
MM #	998839	998976
BGA ball height	0.5 ±0.1 mm	No change
BGA ball alloy	SAC305	No change
Package size (x,y)	33 mm x 33 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
Product marking/labeling	Product marking below pin 1	No change
Pin 1 marking location	Top left corner relative to marking	No change

Revision History:

Original Release - 10 January 2011

Cortina Systems, Inc.

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