



Product Change Notification

Document #: PCN-450017
Change Title: Cortina Systems® CS3472 24-port Gigabit Ethernet Line Rate MAC, Assembly and Test Manufacturing Site Qualification, PCN450017, FFF
Revision Date: 21 June 2010

Type of Change Notification:

FFF (Form, Fit, Function)

Key Characteristics of the Change:

New Assembly and Test Site qualification for the CS3472.

COO to change from Korea to Taiwan.

Forecasted Key Milestones:

Date Customer Must be Ready to Receive Post-Conversion Material:	20 September 2010
Date of Samples Availability:	Available Now
Date of Qualification Data Availability:	Available Now

Description of Change to the Customer:

Cortina Systems is qualifying a new assembly and test facility to manufacture the Cortina Systems® CS3472 24-port Gigabit Ethernet Line Rate MAC 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 HPCS3472C.A1

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 height	0.5 ±0.1 mm	0.5 ±0.1 mm
BGA ball alloy	Sn63Pb37	No change
BGA Ball diameter	0.64 +0.06/-0.14mm	0.60 ±0.10mm
Package size (x,y)	35 mm x 35 mm	No change
Silicon Foundry	TSMC	No change
Substrate thickness/Supplier	0.8 mm nominal/Kyocera	No change
Lid thickness/Type	0.5 ±0.03mm/Ni Plated Cu	No change
Assembly	Amkor	ASE
COO	Korea	Taiwan
Package marking/labeling	Product marking below pin 1	No change
Pin 1 marking location	Top left corner relative to marking	No change
MM #	998696	998968

Reference Table for RPCS3472C.A1

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 height	0.5 ±0.1 mm	0.5 ±0.1 mm
BGA ball alloy	SAC305	SAC305
BGA Ball diameter	0.64+0.06/-0.14mm	0.635 ±0.100mm
Package size (x,y)	35 mm x 35 mm	No change
Silicon Foundry	TSMC	No change
Substrate thickness/Supplier	0.8 mm nominal/Kyocera	No change
Lid thickness/Type	0.5 ±0.03mm/Ni Plated Cu	No change
Assembly	Amkor	ASE
COO	Korea	Taiwan
Package marking/labeling	Product marking below pin 1	No change
Pin 1 marking location	Top left corner relative to marking	No change
MM #	998841	998970

Products Affected / Cortina Systems Ordering Codes:

Affected Product	Post-Affected Product Code	Media Type
CS3472	HPCS3472C.A1-998968	TRAY
CS3472	RPCS3472C.A1-998970	TRAY

Revision History:

Initial Release: Revision 0: 21 June 2010

Cortina Systems, Inc.

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