



## Product Change Notification

**Document #:** PCN450007-02  
**Change Title:** Cortina Systems, CS2111; BGA Substrate Change, Product Material, PCN450007-02, FFF  
**Revision Date:** 30 April 2010

### Type of Change Notification:

FFF (Form, Fit, Function)

### Key Characteristics of the Change:

Product Material Change  
Order Code Change

### Forecasted Key Milestones:

<b>Date Customer Must be Ready to Receive Post-Conversion Material:</b>	31 March 2010
<b>Date of Samples Availability:</b>	Available Now
<b>Date of Qualification Data Availability:</b>	Available Now

### Description of Change to the Customer:

Revision 02 – Updated Reference table to reflect a maximum thickness of 3.27mm.

Revision 01- Added Reference Table

Due to the substrate supplier's decision to exit the business, Cortina Systems will be changing package substrates on the affected product listed below. This device continues to be a drop in pin for pin replacement and is functionally equal; however the dimensions of the device are thinner as shown in the reference table below. 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:

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. However, the device thickness has changed as shown below:

### Reference Table:

Dimension	Before change	After change
Max. thickness	2.98 mm	3.27 mm
BGA Ball size	No Change	No Change
Package size	31 x 31 mm	31 x 31 mm

## Products Affected / Cortina Systems Ordering Codes:

Affected Product Code	Post-Affected Product Code	Media Type
CS2111 C	HPCS2111C.C0-998110	Tray

## Revision History:

Original Release - 12 March 2010
Revision 01 – 18 March 2010 Added Reference Table
Revision 02 – Updated Reference Table

### Cortina Systems, Inc.

This document contains information proprietary to Cortina Systems, Inc. (Cortina). Any use or disclosure, in whole or in part, of this information to any unauthorized party, for any purposes other than that for which it is provided is expressly prohibited except as authorized by Cortina in writing. Cortina reserves its rights to pursue both civil and criminal penalties for copying or disclosure of this material without authorization.

**INFORMATION IN THIS DOCUMENT IS PROVIDED IN CONNECTION WITH CORTINA SYSTEMS® PRODUCTS.**

**NO LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE, TO ANY INTELLECTUAL PROPERTY RIGHTS IS GRANTED BY THIS DOCUMENT.**



---

**EXCEPT AS PROVIDED IN CORTINA'S TERMS AND CONDITIONS OF SALE OF SUCH PRODUCTS, CORTINA ASSUMES NO LIABILITY WHATSOEVER, AND CORTINA DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY RELATING TO THE SALE AND/OR USE OF CORTINA PRODUCTS, INCLUDING LIABILITY OR WARRANTIES RELATING TO FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY OR INFRINGEMENT OF ANY PATENT, COPYRIGHT OR OTHER INTELLECTUAL PROPERTY RIGHT.**

Cortina products are not intended for use in medical, life saving, life sustaining, critical control or safety systems, or in nuclear facility applications.

CORTINA SYSTEMS®, CORTINA™, and the Cortina Earth Logo are trademarks or registered trademarks of Cortina Systems, Inc. or its subsidiaries in the US and other countries. Any other product and company names are the trademarks of their respective owners.

Copyright © 2008 Cortina Systems, Inc. All rights reserved

## Contact Information

**Cortina Systems, Inc.**

840 W. California Ave  
Sunnyvale, CA 94086

408-481-2300

[sales@cortina-systems.com](mailto:sales@cortina-systems.com)

[www.cortina-systems.com](http://www.cortina-systems.com)