



Product Change Notification

Document #: PCN-450020

Change Title: Cortina Systems® IXF1012 & IXF1024 12/24-Port
10/100/1000 Mbps Ethernet Media Access, Manufacturing
Site Qualification, Package Material, Top Marking & Pin 1
Orientation Change, FFF

Revision Date: 19 July 2010

Type of Change Notification:

Form, Fit & Function (FFF)

Key Characteristics of the Change:

Manufacturing Site Qualification
Top Marking and Pin 1 Orientation Change
Package Material Change

Forecasted Key Milestones:

Samples from new assembly site available:	Available Now
Full process qualification report:	Available Now
Date customer must be ready to receive post-conversion material: (Malaysia COO products)	19 October 2010

Description of Change to the Customer:

Cortina Systems, Inc. (Cortina) qualified a new assembly site for the IXF1012 and IXF1024 product family. Please see affected products table below for the complete part list. The country of origin for the newest assembly site is Malaysia.

As part of Continuous Improvement of manufacturing process control, Cortina has also changed the package substrate used during the assembly of these products. This change has resulted in improved process control at assembly. Cortina expects Malaysia to be our primary source of volume production.

There are two key differences for the IXF1012/24 product family from the new assembly manufacturer. Please see the following tables and figures for minor package dimension and top side marking change.

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 Material. Please see Forecasted Key milestones

above. 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-Conversion Material on this date. Cortina will continue to ship and customers may continue to receive the pre-conversion material marked with Taiwan COO designator until inventory has been depleted.

Customer Impact of Change and Recommended Action:

Depending upon assembly equipment, some customers may find it necessary to adjust the physical settings on pick and place machines or similar equipment. Customers may want to qualify the new BGA package substrate on their systems and be prepared to begin receiving revised devices per forecasted key milestones above. There will be no change to the product ordering code.

Please contact your local Cortina Sales Representative for further information regarding this PCN.

Table 1 Minor Dimension Changes

Dimension	Before Change	After Change
Max. Package Thickness	1.53 mm +/-0.15 mm	1.513 mm +/-0.12 mm
BGA Solder Ball Height	0.45 mm ~0.65 mm	0.40 mm ~0.60 mm
BGA Solder Ball Diameter	0.55 mm ~0.75 mm	0.53 mm ~0.73 mm
BGA Package Size	35 mm x 35 mm	No Change

Table 2 Top Marking and Pin 1 Orientation Change

Before Change Example:



After Change Example:



Line	Before Change	After Change
1	Cortina Logo	Cortina Logo
2	Product Name Description	Blank
3	Lot Trace Code Description	Product Name Description
4	FPO Code	FPO Code
5	Cortina(M)©2006	Country of Origin/(e1) ¹
6	Country of Origin	Blank
Pin 1 Orientation	Bottom Left Corner marked with Dot	Top Left Corner marked with Dot

Products Affected / Cortina Systems Ordering Codes:

Affected Family Name	Affected Product Code	Post-Affected Product Code	RoHS Compliance	Media Type
IXF1024	GCIXF1012EC.A3-884560	GCIXF1012EC.A3-884560	RoHS 5	TRAY
IXF1024	GCIXF1024EC.A3-884561	GCIXF1024EC.A3-884561	RoHS 5	TRAY
IXF1024	QCIXF1024EC.A3-884612	QCIXF1024EC.A3-884612	RoHS 6	TRAY
IXF1024	QCIXF1012EC.A3-884616	QCIXF1012EC.A3-884616	RoHS 6	TRAY

¹ (e1) symbol indicates Pb-free package

Revision History

Revision 0.0 Revision Date: 19 July 2010
Original Release

Cortina Systems, Inc.

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