



## Product Change Notification

**Document #:** PCN-400885-01

**Change Title:** Cortina Systems, IXF18101/02/03/04, IXF18105, IXF18201/03, Package Material & Top Mark Change, PCN400885, FFF

**Revision Date:** 02 July 2010

### Type of Change Notification:

Form, Fit & Function (FFF)

### Key Characteristics of the Change:

Top Marking and Pin 1 Orientation Change

Package Material Change

### Forecasted Key Milestones:

<b>Samples from new assembly site available:</b>	Available Now
<b>Full process qualification report:</b>	Available Now
<b>Shipment of Malaysia COO products:</b>	23 June 2009

### Description of Change to the Customer:

**Revision-01 is to notify customers of two key differences for the IXF181xx and IXF182xx from the assembly manufacturer, which was not captured in the original release of this PCN. Please see following tables for minor package dimension and top marking changes.**

Original – Cortina Systems, Inc. (Cortina) is in process of qualifying a new assembly site for the IXF181xx and IXF182xx product families. Please see Affected Products Table below for the complete list of parts. The country of origin for the newest assembly site will be Malaysia.

Customers may receive products from either or both locations and should not expect to receive Malaysia COO units until the milestone dates shown (see table). We expect Malaysia to be our primary source of volume production.

## 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) <sup>1</sup>
6	Country of Origin	Blank
Pin 1 Orientation	Bottom Left Corner marked with Dot	Top Left Corner marked with Dot

<sup>1</sup> (e1) symbol indicates Pb-free package

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## Products Affected / Cortina Systems Ordering Codes:

Affected Family Name	RoHS Compliance	Media Type
GCIXF18101EE.B0-853146	RoHS 5	TRAY
QCIXF18101EE.B0-998630	RoHS 6	TRAY
GCIXF18102EE.B0-853147	RoHS 5	TRAY
QCIXF18102EE.B0-998635	RoHS 6	TRAY
GCIXF18103EE.B0-853148	RoHS 5	TRAY
QCIXF18103EE.B0-998625	RoHS 6	TRAY
GCIXF18103LEE.B0-880096	RoHS 5	TRAY
QCIXF18103LEE.B0-998615	RoHS 6	TRAY
GCIXF18104EE.B0-853149	RoHS 5	TRAY
QCIXF18104EE.B0-998620	RoHS 6	TRAY
GCIXF18105EC.B1-884472	RoHS 5	TRAY
QCIXF18105EC.B1-998520	RoHS 6	TRAY
GCIXF18201EC.B1-886340	RoHS 5	TRAY
QCIXF18201EC.B1-998510	RoHS 6	TRAY
GCIXF18203EC.B1-884471	RoHS 5	TRAY
QCIXF18203EC.B1-998500	RoHS 6	TRAY

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## Revision History

<b>Revision 0.1</b> <b>Revision Date: 02 July 2010</b>
<ul style="list-style-type: none"><li>• Top Marking and Pin 1 Orientation Change</li><li>• Package Material Change</li></ul>
<b>Revision 0.0</b> <b>Revision Date: 23 March 2009</b>
Original Release

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