



Integrated Device Technology, Inc.  
6024 Silver Creek Valley Road, San Jose, CA 95138

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: **N1209-03**                      Date:      October 10, 2012  
 Product Affected:      8432  
  
 Date Effective:      January 10, 2013

MEANS OF DISTINGUISHING CHANGED DEVICES:  
 Product Mark              Change in Ordering Part Number  
 Back Mark  
 Date Code  
 Other

Contact:      Mary Vesey  
 Title:      Director, Product Assurance              Attachment:               Yes               No  
 Phone #:      (408) 284-4565  
 Fax #:      (408) 284-1450              Samples:      N/A  
 E-mail:      [Mary.Vesey@idt.com](mailto:Mary.Vesey@idt.com)

**DESCRIPTION AND PURPOSE OF CHANGE:**

- Die Technology
- Wafer Fabrication Process
- Assembly Process
- Equipment
- Material
- Testing
- Manufacturing Site
- Data Sheet
- Other - Die Revision Change

This notification is to advise our customers that IDT has qualified a new die revision C where the PLL feedback divider was fixed to improve its operating range for better safeguards to prevent failings for improper power-up configuration. There will be a change in ordering part number and device top mark.

There is no change in die technology/process. This is a metal-layer change only.

Please see attachment for details.

**RELIABILITY/QUALIFICATION SUMMARY:**

See attached data. There is no change in die technology/process.

**CUSTOMER ACKNOWLEDGMENT OF RECEIPT:**

IDT records indicate that you require written notification of this change. Please use the acknowledgement below or E-Mail to grant approval or request additional information. If IDT does not receive acknowledgement within 30 days of this notice it will be assumed that this change is acceptable.

IDT reserves the right to ship either version manufactured after the process change effective date until the inventory on the earlier version has been depleted.

Customer: \_\_\_\_\_  **Approval for shipments prior to effective date.**  
 Name/Date: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_  
 Title: \_\_\_\_\_ Phone# /Fax# : \_\_\_\_\_

**CUSTOMER COMMENTS:**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**IDT ACKNOWLEDGMENT OF RECEIPT:**

RECD. BY: \_\_\_\_\_ DATE: \_\_\_\_\_



**PRODUCT/PROCESS CHANGE NOTICE (PCN)**

**ATTACHMENT 1 - PCN # : N1209-03**

**PCN Type:** Die Revision Change

**Data Sheet Change:** Yes

**Detail Of Change:**

This notification is to advise our customers that IDT has qualified a new die revision C where the PLL feedback divider was fixed to improve its operating range for better safeguards to prevent failings for improper power-up configuration. There will be a change in ordering part number and device top mark as stated in Table 1. There is no change in die technology/process. This is a metal-layer change only.

**Table 1**

Old Ordering Part Number	New Ordering Part Number
8432BK-51	8432CK-51
8432BK-51LF	8432CK-51LF
8432BK-51LFT	8432CK-51LFT
8432BK-51T	8432CK-51T
8432BY-51	8432CY-51
8432BY-51LF	8432CY-51LF
8432BY-51LFT	8432CY-51LFT
8432BY-51T	8432CY-51T

**Qualification Test Plan and Result:**

Qualification Plan #: QCN-12-19  
Qual Vehicle: 8432CYI-51LF

Test Description	Test Method (Latest specs in effect)	Test Results (SS / Rej)
ESD: Human Body Model @ 2000V	JESD22-A114	3/0
ESD: Charged Device Model @ 500V	JESD22-101	3/0
Latch-up	JESD78	6/0