



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

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

<b>PCN #:</b> N1509-01 <b>Product Affected:</b> 813N252CK-02LF (T) 813N252CKI-02LF (T)	<b>Date:</b> October 2, 2015	<b>MEANS OF DISTINGUISHING CHANGED DEVICES:</b> <input checked="" type="checkbox"/> Product Mark    Change in ordering part# <input type="checkbox"/> Back Mark <input type="checkbox"/> Date Code <input type="checkbox"/> Other
<b>Date Effective:</b> January 2, 2016		

<b>Contact:</b> TSD Clock Team <b>E-mail:</b> <a href="mailto:clocks@idt.com">clocks@idt.com</a>	<b>Attachment:</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>Samples:</b> Samples are available now.
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**DESCRIPTION AND PURPOSE OF CHANGE:**

<input type="checkbox"/> Die Technology <input type="checkbox"/> Wafer Fabrication Process <input type="checkbox"/> Assembly Process <input type="checkbox"/> Equipment <input type="checkbox"/> Material <input type="checkbox"/> Testing <input type="checkbox"/> Manufacturing Site <input type="checkbox"/> Data Sheet <input checked="" type="checkbox"/> Other - Die Revision Change	<p>This notice is to advise our customers that the IDT Part 813N252DKI-02LF (T) is an updated version of the 813N252CK-02LF (T) and 813N252CKI-02LF (T) to ensure ADC block receive a proper reset after all digital regulators have been powered up in order to eliminate the potential PLL unlock after power up.</p> <p>All specifications on the data sheet stay the same. This design tweak only affect the POR of ADC circuit block and would not have any impact to AC/DC parameters based on design's statement.</p> <p>We are requesting a last time buy of the previous version by January 2, 2016.</p>
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**RELIABILITY/QUALIFICATION SUMMARY:**

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: _____	<input type="checkbox"/> <i>Approval for shipments prior to effective date.</i>
Name/Date: _____	E-Mail Address: _____
Title: _____	Phone # /Fax #: _____

**CUSTOMER COMMENTS:** \_\_\_\_\_

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**IDT ACKNOWLEDGMENT OF RECEIPT:**

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



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### ATTACHMENT 1 - PCN #: N1509-01

**PCN Type:** Die Revision Change

**Data Sheet Change:** No

**Detail of Change:** This notice is to advise our customers that the IDT Part 813N252DKI-02LF (T) is an updated version of the 813N252CK-02LF (T) and 813N252CKI-02LF (T) to ensure ADC block receive a proper reset after all digital regulators have been powered up in order to eliminate the potential PLL unlock after power up.

All specifications on the data sheet stay the same. This design tweak only affect the POR of ADC circuit block and would not have any impact to AC/DC parameters based on design's statement.

We are requesting a last time buy of the previous version by January 2, 2016.

**Table 1**

Old Ordering Part Number	New Ordering Part Number
813N252CK-02LF	813N252DKI-02LF
813N252CK-02LFT	813N252DKI-02LFT
813N252CKI-02LF	813N252DKI-02LF
813N252CKI-02LFT	813N252DKI-02LFT

**Qualification Test Plan and Result:**

Qual Vehicle: 813N252DKI-02LF

Test Description	Test Method (Latest specs in effect)	Test Results (SS / Rej)
ESD: Human Body Model @ 2000V	JS-001	3/0
ESD: Charged Device Model @ 500V	JESD22-C101	3/0
Latch-up	JESD78	6/0