



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

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

<b>PCN #:</b> N1011-01 <b>DATE:</b> December 10, 2010 <b>Product Affected:</b> 8530DY-01      8530DY-01T 8530DY-01LF    8530DY-01LFT <b>Date Effective:</b> <b>March 10, 2011</b>	<b>MEANS OF DISTINGUISHING CHANGED DEVICES:</b> <input checked="" type="checkbox"/> Product Mark      8530F01LF <input type="checkbox"/> Back Mark <input type="checkbox"/> Date Code <input type="checkbox"/> Other              Ship Date
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<b>Contact:</b> Rodney Corpuz <b>Title:</b> Product Quality Assurance <b>Phone #:</b> (408) 284-8261 <b>Fax #:</b> (408) 284-1450 <b>E-mail:</b> <a href="mailto:rcorpuz@idt.com">rcorpuz@idt.com</a>	<b>Attachment:</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  <b>Samples:</b> 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 checked="" type="checkbox"/> Data Sheet <input checked="" type="checkbox"/> Other      * Die revision	<p>This notification is to advise our customers that IDT has made a die revision on device 8530DY-01/LF. The die change will improve the performance of the device with the input capacitance lowered from 4pf to 3pf. The datasheet and test limits will also be updated to reflect the changes. The new orderable part number is 8530FY-01/LF.</p>
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**RELIABILITY/QUALIFICATION SUMMARY:**

There is no expected change to the product quality or reliability performance.

**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 90 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 I - PCN # : N1011-01

**PCN Type:** Product Line

**Data Sheet Change:** Yes

**Details Of Change:**

Changing orderable part number:

From	To
8530DY-01	8530FY-01
8530DY-01T	8530FY-01T
8530DY-01LF	8530FY-01LF
8530DY-01LFT	8530FY-01LFT

The die change will improve the performance of the device with the input capacitance lowered from 4pf to 3pf.

The following datasheet and test limits will be updated on the latest datasheet and test program of the device.

	FROM	TO		
<b>Table 2</b>	Typical	Typical		
Input Capacitance ( $C_{IN}$ )	4 pf	3 pf		
<b>Table 4A</b>	Maximum	Maximum		
Power Supply ( $I_{EE}$ )	140 mA	146 mA		
<b>Table 5</b>	Typical	Maximum	Typical	Maximum
Part-to-Part Skew (tsk)	88 ps	250 ps	148 ps	305 ps
Output Clock Rise Time ( $t_R$ )		700 ps		750 ps
Output Clock Fall Time ( $t_F$ )		700 ps		750 ps

**Sample Availability:**

Samples are now available for all affected devices.

Please contact your local IDT sales representative for your sample request.