



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: A0704-03	DATE: 6/5/2007	MEANS OF DISTINGUISHING CHANGED DEVICES:	
Product Affected: 35mm X 35mm PBGA-525 & PBGA-680	Refer to attachment II for the affected part numbers.	<input type="checkbox"/> Product Mark	Assembly lot marked on the device provides traceability to the mold compound type
Date Effective: 9/5/2007		<input type="checkbox"/> Back Mark	
	<input type="checkbox"/> Date Code		
		<input checked="" type="checkbox"/> Other	

Contact: Geoffrey Cortes	
Title: Product Quality	Attachment: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Phone #: (408) 284-8321	
Fax #: (408) 284-1450	Samples: Please contact your local sales representative for sample request & availability.
E-mail: Geoffrey.Cortes@idt.com	

DESCRIPTION AND PURPOSE OF CHANGE:

<input type="checkbox"/> Die Technology	Integrated Device Technology, Inc. (IDT) has successfully completed the qualification of a new low alpha mold compound, Nitto GE-100LV for the above-mentioned package families. The reason for change is to standardize the mold compound for both green and standard packages.
<input type="checkbox"/> Wafer Fabrication Process	
<input type="checkbox"/> Assembly Process	
<input type="checkbox"/> Equipment	
<input checked="" type="checkbox"/> Material	
<input type="checkbox"/> Testing	There is no change to the moisture performance of these packages.
<input type="checkbox"/> Manufacturing Site	
<input type="checkbox"/> Data Sheet	Please see attachment for qualification data and affected part number list.
<input type="checkbox"/> Other	

RELIABILITY/QUALIFICATION SUMMARY:

Refer to qualification results shown in attachment I.

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"/> Approval for shipments prior to effective date.
Name/Date: _____	E-Mail Address: _____
Title: _____	Phone# /Fax# : _____

CUSTOMER COMMENTS:

IDT ACKNOWLEDGMENT OF RECEIPT:

RECD. BY: _____ DATE: _____



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ATTACHMENT I - PCN #: A0704-03

PCN Type: Assembly Material Change

Data Sheet Change: None

Detail Of Change: This notification is to advise our customers that Integrated Device Technology, Inc. (IDT) has successfully completed the qualification of a new low alpha mold compound, Nitto GE-100LV for the mentioned package families.

The reason for change is to standardize the mold compound for both green and standard packages.

There is no change in the moisture sensitivity level (MSL).

Attachment I details the qualification results for this change and the affected part numbers.

Description	Affected Package Types	Material	
		Old	New
Mold Compound Material	35mm x 35mm PBGA-525 & PBGA-680	EME-G770S	Nitto GE-100LV

Sample Availability: Samples are not built ahead of the change and are limited to selective devices. Please contact your local IDT sales representative for sample request and availability.



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ATTACHMENT I - PCN #: A0704-03

Qualification Plan #: P05-05-13

Test Vehicle: 35mm x 35mm PBGA-525 & 19mm X 19mm PBGA-324 (2 lots)

Qualification Test Plan and Results:

Test Description	Test Method	Test Results (SS/Rej)	
		PBGA-525	PBGA-324
* Temperature Cycling (Cond B, 1000 cycles)	JESD22-A104B	43/0	45/0
* HAST (130°C, 85% RH, 100 hours)	JESD22-A110B	45/0	45/0
High Temperature Stabilization Bake (150 °C, 1000 hours)	JESD22-A103B	77/0	77/0
Moisture Sensitivity Classification, L3	J-STD-020	45/0	45/0

Note: * Test require moisture pre-conditioning sequence per JESD22-A113.



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ATTACHMENT II - PCN # : A0704-03

Affected Part Number

Part Number	Part Number	Part Number	Part Number
IDT75K52134S167BB	IDT75K52213S104BB	IDT75K62134S167BBI	IDT75K62413S100BB
IDT75K52134S167BBI	IDT75K52413S100BB	IDT75K62134S200BB	IDT75K62413S104BB
IDT75K52134S200BB	IDT75K52413S104BB	IDT75K62213S100BB	IDT75K62413S52BB
IDT75K52213S100BB	IDT75K52413S83BB	IDT75K62213S100BBI	IDT75K62413S83BB
IDT75K52213S100BBI	IDT75K62134S167BB	IDT75K62213S104BB	

Notes: For T & R (shipping method) "8" is added to the IDT part# suffix