



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: A0607-03	DATE: 16-Mar-2007	MEANS OF DISTINGUISHING CHANGED DEVICES:
Product Affected: IDT72P51769Z built in 17mm x 17mm PBGA-256. 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 <input type="checkbox"/> Back Mark <input type="checkbox"/> Date Code <input checked="" type="checkbox"/> Other
Date Effective: 16-Jun-2007		

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

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 checked="" type="checkbox"/> Material <input type="checkbox"/> Testing <input type="checkbox"/> Manufacturing Site <input type="checkbox"/> Data Sheet <input type="checkbox"/> Other	<p>Integrated Device Technology, Inc. (IDT) has successfully completed the qualification of a new low alpha mold compound, Nitto GE-100LV for the above-mentioned products. There is no change to the moisture performance of these packages.</p> <p>Please see attachment for qualification data and affected part number list.</p>
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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"/> <i>Approval for shipments prior to effective date.</i>
Name/Date: _____	E-Mail Address: _____
Title: _____	Phone# /Fax# : _____

CUSTOMER COMMENTS: _____

IDT ACKNOWLEDGMENT OF RECEIPT:

RECD. BY: _____ DATE: _____



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ATTACHMENT I - PCN #: A0607-03

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 above-mentioned products.

The successful completion of this qualification has improved the product's soft error for alpha testing.

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	IDT72P51769Z built in 17mm x 17mm PBGA- 256	EME-G770	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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PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT I - PCN #: A0607-03

Qualification Plan #: P06-07-01

Test Vehicle: IDT72P51769, 17mm x 17mm PBGA-256 (1 lot)

Qualification Test Plan and Results:

Test Description	Test Method (Latest specs in effect)	Test Results (SS/Rej)
* Temperature Cycling (Cond B, 1000 cycles)	JESD22-A104	45/0
* HAST (130°C, 85% RH, 100 hours)	JESD22-A110	45/0
High Temperature Stabilization Bake (150 °C, 1000 hours)	JESD22-A103	77/0
Moisture Sensitivity Classification, L3	J-STD-020	90/0

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

Affected Part #s

IDT72P51769L5BB

IDT72P51769L6BB

IDT72P51769L6BBI

Notes: For T & R (shipping method) "8" is added to the p/n.