



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: I0801-01 DATE: 11-Jan-2008 Product Affected: 89HPES24N3 & 89HPES12N3 Date Effective: 11-Feb-2008	MEANS OF DISTINGUISHING CHANGED DEVICES: <input checked="" type="checkbox"/> Product Mark Change in Ordering Part Number <input type="checkbox"/> Back Mark <input type="checkbox"/> Date Code <input type="checkbox"/> Other
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Contact: Bimla Paul Title: Quality Assurance Manager Phone #: (408)574-6419 Fax #: (408) 284-8362 E-mail: Bimla.Paul@idt.com	Attachment: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples: N/A
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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	Device stepping change from "YC" to "YD" to enhance device functionality. There will be a change in ordering part number as a result of the change in device stepping.
<input type="checkbox"/> Equipment	
<input type="checkbox"/> Material	
<input type="checkbox"/> Testing	There is no change to process and technology.
<input type="checkbox"/> Manufacturing Site	
<input checked="" type="checkbox"/> Data Sheet	
<input checked="" type="checkbox"/> Other	

RELIABILITY/QUALIFICATION SUMMARY:

See attached data. There is no change to 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: _____

IDT ACKNOWLEDGMENT OF RECEIPT:

RECD. BY: _____ DATE: _____



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ATTACHMENT I - PCN # : I0801-01

PCN Type: Die Stepping Change

Data Sheet Change: Yes

Detail Of Change:

Device stepping change from "YC" to "YD" to enhance device functionality. There will be a change in ordering part number as a result of the change in device stepping.

The new die revision will address the known errata items as follows:

For PES24N3 and PES12N3 "YC" Errata

7. Enable VGA feature support
8. Modified revision ID

On Part Ordering Information Page (for both 24N3 and 12N3)

add "YD" to ordering part number

Change From

89HPES24N3YCBX
89HPES24N3YCBXG
89HPES12N3YCBC
89HPES12N3YCBCG

Change To

89HPES24N3YDBX
89HPES24N3YDBXG
89HPES12N3YDBC
89HPES12N3YDBCG

These changes affect all speed grades and package options. There is no change in die technology/process.



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PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT I - PCN # : I0801-01

Qualification Information and Qualification Data:

Test Vehicle: IDT89HPES24N3

Qualification Test Plan and Results:

Test Description	Sample Size/# Of Fails	Test Results (SS/# Of Fails)
Dynamic High Temp Operating Life Test	77/0	77/0
* Temperature Cycling (-65 °C to 150 °C, 500 cycle)	45/0	**45/0
* Highly Accelerated Stress Test (HAST) (130 °C,85% RH, 100 Hrs)	45/0	**45/0
ESD HBM	3/0	**3/0
ESD CDM	3/0	**3/0

Notes: * Test requires Moisture Pre-Conditioning sequence.

** Test results from previous revision of device qualification