



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: A0703-01	DATE: 4/27/2007	MEANS OF DISTINGUISHING CHANGED DEVICES:
Product Affected: CABGA-324, 19.0 mm X 19.0 mm (See attached affected part # list)		<input type="checkbox"/> Product Mark <input checked="" type="checkbox"/> Back Mark Lot # will have "SP" prefix <input type="checkbox"/> Date Code <input type="checkbox"/> Other
Date Effective: 7/27/2007		

Contact: Bimla Paul	Attachment: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Title: Product Quality Assurance	
Phone #: (408) 574-6419	
Fax #: (408) 284-8362	Samples: Please contact your local sales representative for sample request & availability.
E-mail: Bimla.Paul@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 type="checkbox"/> Material <input type="checkbox"/> Testing <input checked="" type="checkbox"/> Manufacturing Site <input type="checkbox"/> Data Sheet <input type="checkbox"/> Other	<p>This notification is to advise our customers that IDT has added SPIL, Taiwan as an alternate Assembly facility for CABGA-324, 19.0 mm X 19.0 mm package. There is no change to the moisture performance of the package as a result of this change.</p> <p>Please see attached for the qualification data and affected part number list.</p>
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RELIABILITY/QUALIFICATION SUMMARY:

Please refer to the attached Qualification & Reliability data.

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 # : A0703-01

PCN Type: Manufacturing Site - Alternate Assembly Location

Data Sheet Change: None

No change in moisture sensitivity level (MSL)

Detail Of Change:

This notification is to advise our customers that IDT has added SPIL, Taiwan as an alternate Assembly facility for CABGA-324, 19.0 mm X 19.0 mm package. The assembly material set for SPIL assembly location is listed in Table 1.

There is no change in the moisture sensitivity level (MSL) as a result of this change.

Attachment I outlines the qualification data and affected part#s.

Table 1

Description	Existing	Add
Assembly Location	AMKOR Philippines	SPIL, Taiwan
Assembly Material	Die Attach: Ablestik 2300	Ablestik 2000
	Wire: 1.0mil Au	1.0 mil
	Mold Compound: EME-G770	GE-100
	Substrate: BT	BT
	Solder Balls: Sn/Pb (standard) and Sn/Ag/Cu (green)	Solder Balls: Sn/Pb (standard) and Sn/Ag/Cu (green)

Sample Availability:

Samples are already available for customer evaluation.

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



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ATTACHMENT I - PCN # : A0703-01

Qualification Information and Qualification Tests Result:

Test Vehicles: 1 lot (CABGA-260, 19.0 X 19.0 mm)

Test Description	Test Method	Test Results (SS/ Rej)
* Temperature Cycling (Condition B -55°C to +125°C, 1000 cycles)	JESD22-A104	45/0
High Temperature Stabilization Bake (150 °C, 1000 hours)	JESD22-A103	45/0
Moisture Sensitivity Classification, L3	J-STD-020	90/0

Notes: * Test requires moisture pre-conditioning sequence per JESD22-A113.

Affected Part #s

IDT89HPES12N3ABC
IDT89HPES12N3ABCG
IDT89HPES12N3BC
IDT89HPES12N3BCG
IDT89HPES12NT3BC
IDT89HPES12NT3BCG
IDT89HPES12NT3BCGI
IDT89HPES12NT3BCI
IDT89HPES8NT2BC
IDT89HPES8NT2BCG
IDT89HPES8NT2BCGI
IDT89HPES8NT2BCI
IDT89HPES8T5BC
IDT89HPES8T5BCG

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