



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: A1008-05	DATE: September 24, 2010	MEANS OF DISTINGUISHING CHANGED DEVICES:
Product Affected: 82V2082BFG & 82V2082BFG8 built in 8 mm x 8mm CABGA-81 (Green)		<input type="checkbox"/> Product Mark <input checked="" type="checkbox"/> Back Mark Lot# will have a "P" prefix <input type="checkbox"/> Date Code <input type="checkbox"/> Other
Date Effective: December 24, 2010		

Contact: Mary Vesey	Attachment: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Title: Director, Product Assurance	
Phone #: (408) 284-4565	Samples: Availability shown on request
Fax #: (408) 284-1450	
E-mail: Mary.Vesey@idt.com	

DESCRIPTION AND PURPOSE OF CHANGE:

<input type="checkbox"/> Die Technology	This notification is to advise our customers that IDT is adding Amkor, Philippines as an alternate assembly facility for 8mm x 8 mm CABGA 81 green version.
<input type="checkbox"/> Wafer Fabrication Process	
<input type="checkbox"/> Assembly Process	
<input type="checkbox"/> Equipment	There is no change to the moisture performance of the package as a result of this change.
<input type="checkbox"/> Material	
<input type="checkbox"/> Testing	
<input checked="" type="checkbox"/> Manufacturing Site	Attachment I details the qualification data for this change
<input type="checkbox"/> Data Sheet	Attachment II details the affected part number list.
<input type="checkbox"/> Other	

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.

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 # : A1008-05

PCN Type: Manufacturing Site

Data Sheet Change: No change
No change in moisture sensitivity level (MSL)

Details Of Change:

This notification is to advise our customers that IDT is adding Amkor, Philippines as an alternate assembly facility for 8mm x 8 mm CABGA 81 green version. There is no change to the moisture performance of these packages using the assembly material sets as listed in the below table.

Qualification Information and Qualification Data:

Affected Packages: 8mm x 8 mm CABGA 81 (BFG81)

Assembly Material: See Table below

Description	Existing	Add
Assembly Location	SPII, Taiwan	Amkor, Philippines
Assembly Materials	Die Attach: Ablestik 2000	Die Attach: Ablestik 2000
	Wire: Cu wire	Wire: Cu wire
	Mold Compound: GE100LFCS	Mold Compound: GE100LFCS
	Substrate: Aus308 HL832-NX-A	Substrate: Aus308 HL832-NX-A
	Solder Balls: Sn96.5/Ag3.0/Cu0.5 (Green)	Solder Balls: Sn96.5/Ag3.0/Cu0.5 (Green)



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ATTACHMENT I - PCN # : A1008-05

Qualification Test Plans and Results :

Qual Vehicle: 15mm x 15mm FPBGA-289 (1 lot)

Test Description	Test Method	Test Results (SS / Rej)
* High Accelerated Stress Test (Biased, 130 °C/85% RH, 100 Hours)	JESD22-A110	25/0
* Temperature Cycle (-55 °C to +125 °C, 1000 Cycles)	JESD22-A104	45/0
High Temp. Storage Test (150 °C, 1000 Hours)	JESD22-A103	77/0

Note:

* Test requires moisture pre-conditioning sequence per JESD22-A113 and will use the existing moisture sensitivity level that has been qualified for this material set.